

2020 年 EI 收录情况统计共计 624 篇

电气 131 篇

1. Analysis of dielectric response of epoxy-mica insulation with temperature normalization

Shan, Zhiduo (Harbin University of Science and Technology, State Key Laboratory Breeding Base of Dielectrics Engineering, Harbin; 150080, China); **Chen, Qingguo; Fu, Qiang**

Source: *IEEE Transactions on Dielectrics and Electrical Insulation*, v 27, n 2, p 574-580, April 1, 2020

Database: Compendex

Document type: Journal article (JA)

2. Hierarchical porous LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ with yolk-shell-like architecture as stable cathode material for lithium-ion batteries (Open Access)

Chen, Zhen (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Chao, Dongliang; Chen, Minghua; Shen, Zexiang**

Source: *RSC Advances*, v 10, n 32, p 18776-18783, May 18, 2020

Database: Compendex

Document type: Journal article (JA)

3. Rational synthesis of MoS₂ nanosheet arrays on carbon fibres for sodium ion storage

Liang, Xinqi (Key Laboratory of Engineering Dielectric and Applications, Harbin University of Science and Technology, Harbin, China); **Chen, Minghua; Shen, Shenghui; Xia, Xinhui**

Source: *Materials Technology*, v 35, n 9-10, p 509-514, August 23, 2020

Database: Compendex

Document type: Journal article (JA)

4. Capacity degradation minimization oriented optimization for the pulse preheating of lithium-ion batteries under low temperature

Wu, Xiaogang (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Cui, Zhihao; Chen, Ersong; Du, Jiuyu**

Source: *Journal of Energy Storage*, v 31, October 2020

Database: Compendex

Document type: Journal article (JA)

5. Optimal sizing of a wind-energy storage system considering battery life

Liu, Ye (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Xiaogang; Du, Jiuyu; Song, Ziyou; Wu, Guoliang**

Source: *Renewable Energy*, v 147, p 2470-2483, March 2020

Database: Compendex

Document type: Journal article (JA)

6. Analysis of iron losses of high-speed permanent magnet synchronous motor

Ge, Bao-Jun (National Engineering Research Center of Large Electric Machines and Heat Transfer Technology, Harbin University of Science and Technology, Harbin; 150080, China); **Luo, Qian-Tong; Wang, Li-Kun; Tao, Da-Jun; Lü, Fei; Dou, Qing-Peng**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 4, p 32-39, April 1, 2020 **Language:** Chinese

Database: Compendex

Document type: Journal article (JA)

7. Defects and Aliovalent Doping Engineering in Electroceramics

Feng, Yu (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Jiagang; Chi, Qingguo; Li, Weili; Yu, Yang; Fei, Weidong**

Source: *Chemical Reviews*, v 120, n 3, p 1710-1787, February 12, 2020

Database: Compendex

Document type: Journal article (JA)

8. A two-dimensional air streamer discharge model based on the improved Helmholtz equation at low temperature and sub-atmospheric pressure

Zhao, Zhihang (Key Laboratory of Engineering Dielectrics and Application of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wei, Xinlao; Song, Shuang; Cui, Lin; Zhang, Longfei**

Source: *Plasma Science and Technology*, v 22, n 4, 2020

Database: Compendex

Document type: Journal article (JA)

9. Coupling PEDOT on Mesoporous Vanadium Nitride Arrays for Advanced Flexible All-Solid-State Supercapacitors

Chen, Minghua (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Fan, He; Zhang, Yan; Liang, Xinqi; Chen, Qingguo; Xia, Xinhui**

Source:

Small, v 16, n 37, September 1, 2020

Database: Compendex

Document type: Journal article (JA)

10. Research on SCESS-DFIG DC bus voltage fluctuation suppression strategy for frequency inertia regulation of power grid (Open Access)

Sun, Dongyang (Engineering Research Center of Automotive Electronics Drive Control and System Integration, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Long, Haotian; Zhou, Kai; Lv, Yanling; Zheng, Jun; Chen, Qingguo**

Source: *IEEE Access*, v 8, p 173933-173948, 2020

Database: Compendex

Document type: Journal article (JA)

11. Heteroatom Doping: An Effective Way to Boost Sodium Ion Storage

Li, Yu (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Minghua; Liu, Bo; Zhang, Yan; Liang, Xinqi; Xia, Xinhui**

Source: *Advanced Energy Materials*, v 10, n 27, July 1, 2020

Database: Compendex

Document type: Journal article (JA)

12. Cuckoo Search Algorithm for Multi-Objective Optimization of Transient Starting Characteristics of a Self-Starting HVPMSM

Wang, Likun (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, 12433 Harbin, Heilongjiang, China, 150080 (e-mail: wlkhello@163.com)); **Guo, Hai; Marignetti, Fabrizio; Shaver, Clark D.; Bianchi, Nicola**

Source: *IEEE Transactions on Energy Conversion*, 2020

Article in Press

Database: Compendex

Document type: Article in Press

13. Iron-based nanoparticles encapsulated in super-large 3D carbon nanotube networks as a bifunctional catalyst for ultrastable rechargeable zinc-air batteries

Yang, Fan (Key Laboratory of Engineering Dielectric and Applications, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Xie, Jinhao; Liu, Xiaoqing; Zeng, Yinxiang; Chen, Minghua; Lu, Xihong**

Source: *Journal of Materials Chemistry A*, v 8, n 48, p 25913-25918, December 28, 2020

Database: Compendex

Document type: Journal article (JA)

14. Unveiling the solid-solution charge storage mechanism in 1T vanadium disulfide nanoarray cathodes

Liang, Xinqi (Key Laboratory of Engineering Dielectric and Applications, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chen,**

Minghua; Zhu, Hekang; Zhu, He; Cui, Xuehao; Yan, Jiaxu; Chen, Qingguo; Xia, Xinhui; Liu, Qi

Source: *Journal of Materials Chemistry A*, v 8, n 18, p 9068-9076, May 14, 2020

Database: Compendex

Document type: Journal article (JA)

15. Magnetic and dielectric properties of nano- and micron-BiFeO₃/LDPE composites with magnetization treatments (Open Access)

Song, Wei (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Fan, Yu-Zhang; Hua, Yu; Sun, Wei-Feng**

Source: *Materials*, v 13, n 1, January 1, 2020

Database: Compendex

Document type: Journal article (JA)

16. Chinese text classification based on attention mechanism and feature-enhanced fusion neural network

Xie, Jinbao (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Hou, Yongjin; Wang, Yujing; Wang, Qingyan; Li, Baiwei; Lv, Shiwei; Vorotnitsky, Yury I.**

Source: *Computing*, v 102, n 3, p 683-700, March 1, 2020

Database: Compendex

Document type: Journal article (JA)

17. Influence of Electric Shield Materials on Temperature Distribution in the End Region of a Large Water-Hydrogen-Hydrogen-Cooled Turbogenerator

Han, Jichao (Harbin University of Science and Technology, Harbin; 150080, China); **Zheng, Ping; Sun, Yutian; Ge, Baojun; Li, Weili**

Source: *IEEE Transactions on Industrial Electronics*, v 67, n 5, p 3431-3441, May 2020

Database: Compendex

Document type: Journal article (JA)

18. Timing optimization of regional traffic signals based on improved firefly algorithm

Liu, Chang-Yuan (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ren, Yu-Yan; Bi, Xiao-Jun**

Source: *Kongzhi yu Juece/Control and Decision*, v 35, n 12, p 2829-2834, December 2021 **Language:** Chinese

Database: Compendex

Document type: Journal article (JA)

19. Preheating strategy of variable-frequency pulse for lithium battery in cold weather

Wu, Xiaogang (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang, China); **Li, Lingren; Du, Jiuyu**

Source: *International Journal of Energy Research*, v 44, n 13, p 10724-10738, October 25, 2020

Database:Compendex

Document type:Journal article (JA)

20.Multi-channel chaotic encryption algorithm for color image based on DNA coding

Wang, Yujing (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, No. 52, Xuefu Road, Nangang District, Harbin; 150080, China); **Wu, Chenchen; Kang, Shouqiang; Wang, Qingyan; Mikulovich, V.I.**

Source: *Multimedia Tools and Applications*, v 79, n 25-26, p 18317-18342, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

21.Influence of Extension Length of Rotor End Windings on the Three-Dimensional Electromagnetic Field and Temperature Rise in the Large Turbine Generator End Zone with Magnetic Screen (Open Access)

Jichao, Han (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chao, Wang; Yang, Wang; Yutian, Sun; Ping, Zheng**

Source:*IEEE Access*, v 8, p 70703-70712, 2020

Database:Compendex

Document type:Journal article (JA)

22.Symmetrical loss of excitation fault diagnosis in asynchronous high-voltage generator

Lü, Yan-Ling (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Gao, Yu-Ting; Zhang, Jian; Deng, Chen-Min; Hou, Shi-Qiang**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 7, p 48-61, July 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

23.Influence of capacity and energy density of lithium-ion battery on thermal reaction during high rate charging (Open Access)

Wu, Xiaogang (College of Electrical and Electronics Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Guo, Haoqi; Du, Jiuyu**

Source: *International Journal of Vehicle Design*, v 83, n 1, p 1-22, 2020

Database:Compendex

Document type:Journal article (JA)

24.Dielectric and thermal conductivity characteristics of epoxy resin-impregnated H-BN/CNF-modified insulating paper (Open Access)

Yang, Hongda (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Qingguo; Wang, Xinyu; Chi, Minghe; Zhang, Jinfeng**

Source: *Polymers*, v 12, n 9, September 2020

Database:Compendex

Document type:Journal article (JA)

25.Study on the Decomposition Mechanism of the HFO1234zeE/N2 Gas Mixture

Lin, Lin (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Qingguo; Wang, Xinyu;Zhang, Hui; Jia, Zongkai; Zhang, Cong**

Source: *IEEE Transactions on Plasma Science*, v 48, n 4, p 1130-1137, April 2020

Database:Compendex

Document type:Journal article (JA)

26.Dielectric properties and thermal conductivity of micro-BN-modified LSR used for high-voltage direct current cable accessories

Chen, Qingguo (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **Xi, Banggen; Zhang, Jinfeng; Yang, Hongda; Wang, Xinyu; Chi, Minghe**

Source: *Journal of Materials Science: Materials in Electronics*, v 31, n 19, p 16583-16591, October 1, 2020

Database:Compendex

Document type:Journal article (JA)

27.FPGA-Based Fall Detection System

Wang, Peng (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Kong, Fanning; Wang, Hui**

Source: *Lecture Notes in Electrical Engineering*, v 571 LNEE, p 314-321, 2020, *Communications, Signal Processing, and Systems - Proceedings of the 8th International Conference on Communications, Signal Processing, and Systems, CSPS 2019*

Database:Compendex

Document type:Conference article (CA)

28.Effect of thermal aging on interturn insulation properties of dry-type air-core power reactors

Wei, Xinlao (Harbin University of Science and Technology, Key Laboratory of Engineering Dielectrics and Its Applications, Ministry of Education, Harbin, China); **Yu, Chunlai; Liang, Jianquan; Liu, Heqian; Zhang, Hongda**

Source: *Proceedings - 2020 5th Asia Conference on Power and Electrical Engineering, ACPEE 2020*, p 1590-1594, June 2020, *Proceedings - 2020 5th Asia Conference on Power and Electrical Engineering, ACPEE 2020*

Database:Compendex

Document type:Conference article (CA)

29. Disturbance suppression for PMSM by a nonlinear composite controller based on two-channel strategy

Ding, Yue (National Engineering Research Center of Large Electric Machines and Heat Transfer Technology, Harbin University of Science and Technology, Harbin, Heilongjiang Province; 150080, China); **Kang, Erliang; Wang, Shuai; Chen, Gaoru; Liu, Fengyang**

Source: *IET Electric Power Applications*, v 14, n 1, p 31-40, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

30. Dielectric and space charge characteristics of nano-modified liquid silicone rubber for high-voltage DC cable accessories (Open Access)

Chen, Qingguo (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **Xi, Banggen; Zhang, Jinfeng; Wang, Xinyu; Yang, Hongda**

Source: *Journal of Materials Science: Materials in Electronics*, v 31, n 19, p 16819-16829, October 1, 2020

Database:Compendex

Document type:Journal article (JA)

31. Research on Resistance Enhancement Coefficient and Thermal Dissipation of Stator Strands in Huge Synchronous Generator (Open Access)

Wang, Likun (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Kou, Baoquan; Cai, Wei**

Source: *IEEE Access*, v 8, p 40357-40366, 2020

Database:Compendex

Document type:Journal article (JA)

32. Effect of Thermal Aging on the Characteristic to Withstand Switching Overvoltage of Interturn Insulation of Dry-Type Air Core Power Reactor

Nie, Hongyan (Key Laboratory of Engineering Dielectrics and Its Application, Harbin University of Science and Technology, Harbin; 150080, China); **Wei, Xinlao; Yao, Yuanhang; Zhu, Bo; Yu, Chunlai**

Source: *Diangong Jishu Xuebao/Transactions of China Electrotechnical Society*, v 35, n 24, p 5096-5104, December 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

33. Extraction on aging characteristic parameters of frequency domain in transformer oil-paper insulation

Liu, Ji (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Wei-Li; Zhang, Ming-Ze; Liao, Li-Lin; Qi, Peng-Shuai; Xu, He-Lin**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 2, p 79-86, February 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

34.Enhanced structurally stable cathodes by surface and grain boundary tailoring of Ni-Rich material with molybdenum trioxide

Chen, Minghua (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Zhanpeng; Savilov, Serguei; Wang, Gongming; Chen, Zhen; Chen, Qingguo**

Source: *Journal of Power Sources*, v 478, December 1, 2020

Database:Compendex

Document type:Journal article (JA)

35.Relationship between electrical parameters and turn-to-turn insulation fault position of dry-type air-core reactor

Wei, Xin-Lao (MOE Key Laboratory of Engineering Dielectrics and Its Application, Harbin University of Science and Technology, Harbin; 150080, China); **Zhu, Bo; Nie, Hong-Yan; Yu, Chun-Lai;Liang, Jian-Quan; Zhang, Hong-Da**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 4, p 71-79, April 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

36.Modification mechanism of low-density polyethylene insulation by hydrophilic and hydrophobic porous SiO₂ nanoparticles

Lv, Xue-Song (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Heilongjiang Provincial Key Laboratory of Dielectric Engineering, School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Han, Bai; Wang, Jian-Yu; Chang, Jia-Xin; Hua, Yu; Sun, Wei-Feng**

Source: *Applied Nanoscience (Switzerland)*, v 10, n 8, p 2441-2451, August 1, 2020

Database:Compendex

Document type:Journal article (JA)

37.Tracking Control of Robotic Manipulators Using Fractional-Order Sliding-Mode with Adaptive Gain

Zhou, Minghao (Harbin University of Science and Technology, School of Electrical and Electronics, Harbin, China); **Cheng, Siwei; Cai, William; Xu, Long; Chi, Ying; Chen, Lei**

Source: *2020 IEEE 9th International Power Electronics and Motion Control Conference, IPERC 2020 ECCE Asia*, p 588-593, November 29, 2020, *2020 IEEE 9th International Power Electronics and Motion Control Conference, IPERC 2020 ECCE Asia*

Database:Compendex

Document type:Conference article (CA)

38.**Effect of Moistures on Space Charge and Trap Level Characteristics of Oil-Impregnated Pressboards** (*Open Access*)

Guan, Yi (Key Laboratory of Engineering Dielectrics and Its Application, School of Electrical and Electronics Engineering, Harbin University of Science and Technology, Ministry of Education, Harbin; 150080, China); **Chi, Minghe; Zhang, Jinfeng; Wang, Qian; Wei, Xinlao; Chen, Qingguo**

Source: *IEEE Access*, v 8, p 171162-171169, 2020

Database:Compendex

Document type:Journal article (JA)

39.**Rational synthesis of silicon into polyimide-derived hollow electrospun carbon nanofibers for enhanced lithium storage** (*Open Access*)

Wang, Fan (School of Electrical and Electronic Engineering, Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Shouzhi; Zhang, Jiawei; Han, Manshu; Pan, Guoxiang; Chen, Minghua**

Source: *E-Polymers*, v 20, n 1, p 491-499, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

40.**Low-cost MgFexMn2-xO4 cathode materials for high-performance aqueous rechargeable magnesium-ion batteries**

Zhang, Yongquan (Key Laboratory of Engineering Dielectrics and Its Application (Ministry of Education), School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Guang; Zhang, Changhai; Chi, Qingguo; Zhang, Tiandong; Feng, Yu; Zhu, Kai; Zhang, Yue; Chen, Qingguo; Cao, Dianxue**

Source: *Chemical Engineering Journal*, v 392, 15 July 2020

Database: Compendex

Document type:Journal article (JA)

41. **Multi-loop model for fractional pole-path ratio synchronous generators with stator winding internal faults**

Xiao, Shiyong (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Ge, Baojun; Liu, Zhihui; Tao, Dajun**

Source: *IET Electric Power Applications*, v 14, n 13, p 2687-2696, December 18, 2020

Database:Compendex

Document type:Journal article (JA)

42. **The Effect of ADRC on Vehicle Braking Performance**

Li, Wenjuan (Department of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Zhang, Qi; Zhang, Yuan**

Source: *Journal of Electrical Engineering and Technology*, v 15, n 2, p 705-712, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

43. **Eye-tracking-based smart home controller**

Wang, Peng (School of Electric and Electronics Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Yuan-Yuan; Shao, Ming-Lei; Liu, Bo; Zhang, Wei-Chao**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 5, p 151-160, May 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

44. **Study on the structure and dielectric properties of zeolite/LDPE nanocomposite under thermal aging** (*Open Access*)

Han, Bai (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Yin, Chuqi; Chang, Jiaxin; Pang, Yu; Lv, Penghao; Song, Wei; Wang, Xuan**

Source: *Polymers*, v 12, n 9, September 2020

Database:Compendex

Document type:Journal article (JA)

45. **A Novel High-Gain DC-DC Converter Applied in Fuel Cell Vehicles**

Wu, Xiaogang (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang, China); **Yang, Mingliang; Zhou, Meilan; Zhang, Yu; Fu, Jun**

Source: *IEEE Transactions on Vehicular Technology*, v 69, n 11, p 12763-12774, November 2020

Database:Compendex

Document type:Journal article (JA)

46. **Enhanced Energy Storage Characteristics in PVDF-Based Nanodielectrics with Core-Shell Structured and Optimized Shape Fillers** (*Open Access*)

Feng, Mengjia (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Changhai; Zhou, Guangtai; Zhang, Tiandong; Feng, Yu; Chi, Qingguo; Lei, Qingquan**

Source: *IEEE Access*, v 8, p 81542-81550, 2020

Database:Compendex

Document type:Journal article (JA)

47. **Enhanced energy storage efficiency in PVDF based composite films using MnO₂ nano-fillers**

Yu, Yang (Key Laboratory of Engineering Dielectrics and Its Application, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Xuan; Wang, Xiaoming; Li, Xue; Weng, Ling; Zhang, Xiaorui**

Source: *Journal of Materials Science: Materials in Electronics*, v 31, n 21, p 18336-18343, November 2020

Database:Compendex

Document type:Journal article (JA)

48. **Effect of Temperature on Space Charge Distribution in Two Layers of Transformer Oil and Impregnated Pressboard under DC Voltage** (*Open Access*)

Zhang, Jinfeng (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chi, Minghe; Chen, Qingguo; Sun, Wenxin; Cao, Jinming**

Source: *IEEE Access*, v 8, p 16647-16655, 2020

Database:Compendex

Document type:Journal article (JA)

49. **Sandwich-structured polymers with electrospun boron nitrides layers as high-temperature energy storage dielectrics**

Liu, Guang (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Tiandong; Feng, Yu; Zhang, Yongquan; Zhang, Changhai; Zhang, Yue; Wang, Xubin; Chi, Qingguo; Chen, Qingguo; Lei, Qingquan**

Source: *Chemical Engineering Journal*, v 389, 1 June 2020

Database:Compendex

Document type:Journal article (JA)

50. **A GGA+U study of electronic structure and the optical properties of different concentrations Tb doped ZnO**

Wang, Jinpeng (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Shen, Tao; Feng, Yue; Liu, Hongchen**

Source: *Physica B: Condensed Matter*, v 576, 1 January 2020

Database:Compendex

Document type:Journal article (JA)

51. **Design of Interior Permanent Magnet Synchronous Motor Speed Controller Based on Linear Parameter-Varying Model Predictive Control**

Jia, Chengyu (School of Electrical & Electronic Engineering, Harbin University of Science & Technology, Harbin; 150080, China); **Wang, Xudong; Zhou, Kai**

Source: *Diangong Jishu Xuebao/Transactions of China Electrotechnical Society*, v 35, n 22, p 4666-4677, November 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

52. **Improved energy storage performances of solution-processable ferroelectric polymer by modulating of microscopic and mesoscopic structure**

Chen, Chen (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Changhai; Zhang, Tiandong; Feng, Yu; Zhang, Yongquan; Chi, Qingguo; Wang, Xuan; Lei, Qingquan**

Source: *Composites Part B: Engineering*, v 199, 15 October 2020

Database:Compendex

Document type:Journal article (JA)

53. **High energy storage density and efficiency in aligned nanofiber filled nanocomposites with multilayer structure**

Feng, Mengjia (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chi, Qingguo; Feng, Yu; Zhang, Yue; Zhang, Tiandong; Zhang, Changhai; Chen, Qingguo; Lei, Qingquan**

Source: *Composites Part B: Engineering*, v 198, 1 October 2020

Database:Compendex

Document type:Journal article (JA)

54. **Ultrahigh discharge efficiency and excellent energy density in oriented core-shell nanofiber-polyetherimide composites**

Feng, Yu (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Yinhua; Zhang, Tiandong; Zhang, Changhai; Zhang, Yongquan; Zhang, Yue; Chen, Qingguo; Chi, Qingguo**

Source: *Energy Storage Materials*, v 25, p 180-192, March 2020

Database:Compendex

Document type:Journal article (JA)

55. **Excellent Energy Storage Performance of Ferroconcrete-like All-Organic Linear/Ferroelectric Polymer Films Utilizing Interface Engineering**

Cui, Yang (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Feng, Yu; Zhang, Tiandong; Zhang, Changhai; Chi, Qingguo; Zhang, Yongquan; Wang, Xuan; Chen, Qingguo; Lei, Qingquan**

Source: *ACS Applied Materials and Interfaces*, v 12, n 50, p 56424-56434, December 16, 2020

Database:Compendex

Document type:Journal article (JA)

56. **Nonlinear conductivity and breakdown strength characteristics of silicon carbide and hexagonal boron nitride co-doped epoxy resin composites** (*Open Access*)

Chi, Qingguo (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Cui, Shuang; Zhang, Tiandong; Yang, Meng; Zhang, Yongquan; Zhang, Changhai; Lei, Qingquan**

Source: *AIP Advances*, v 10, n 5, May 1, 2020

Database:Compendex

Document type:Journal article (JA)

57. **Research on Vibration Reduction of Switched reluctance motor**

Xie, Ying (Harbin University of Science and Technology, School of Electrical and Electronic Engineering, Harbin, China); **Ma, Zexin; Xu, Yuwen; Cai, William; Ning, Zhaoyang; Hu, Shengming**

Source: *ECCE 2020 - IEEE Energy Conversion Congress and Exposition*, p 2072-2080, October 11, 2020, *ECCE 2020 - IEEE Energy Conversion Congress and Exposition*

Database:Compendex

Document type:Conference article (CA)

58. **Excellent energy storage performance of polyetherimide filled by oriented nanofibers with optimized diameters**

Chi, Q. (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Y.; Feng, Y.; Cui, Y.; Zhang, Y.; Zhang, T.; Chen, Q.**

Source: *Materials Today Energy*, v 18, December 2020

Database:Compendex

Document type:Journal article (JA)

59. **Improved energy storage performance of all-organic composite dielectric via constructing sandwich structure** (*Open Access*)

Feng, Mengjia (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Tiandong; Song, Chunhui; Zhang, Changhai; Zhang, Yue; Feng, Yu; Chi, Qingguo; Chen, Qingguo; Lei, Qingquan**

Source: *Polymers*, v 12, n 9, p 1-13, September 2020

Database:Compendex

Document type:Journal article (JA)

60. **Crystallization morphology and space charge property of silica/low density polyethylene composites** (*Open Access*)

Zhang, Xiaohong (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Wang, Meng; Gao, Junguo; Guo, Ning**

Source: *AIP Advances*, v 10, n 1, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

61. **Improved droop control technology of low voltage inverter parallel**

Lü, Yan-Ling (School of Electric and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Du, Yi-Zhi**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 10, p 38-47, October 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

62. **Design and Research of Novel Variable Flux Memory Motor with Series Hybrid Magnets**

Xie, Ying (Harbin University of Science and Technology, School of Electrical and Electronic Engineering, Harbin, China); **Ning, Zhaoyang; Ma, Zexin; Cai, William; Wei, Jingwei**

Source: *23rd International Conference on Electrical Machines and Systems, ICEMS 2020*, p 2142-2147, November 24, 2020, *23rd International Conference on Electrical Machines and Systems, ICEMS 2020*

Database:Compendex

Document type:Conference article (CA)

63. **Study on Nonlinear Characteristics on Conductivity of Silicon Carbide Whisker/Epoxy Resin Composites**

Chi, Qingguo (Key Laboratory of Engineering Dielectrics and Its Application Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Cui, Shuang; Zhang, Tiandong; Yang, Meng; Chen, Qingguo**

Source: *Diangong Jishu Xuebao/Transactions of China Electrotechnical Society*, v 35, n 20, p 4405-4414, October 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

64. **Aging Lifetime Evaluation of Transformer Oil-paper Insulation Considering Oil Replacement**

Liu, Ji (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Lü, Jialu; Zhang, Mingze; Jia, Haifeng; Nie, Hongyan; Wei, Xinlao**

Source: *Gaodianya Jishu/High Voltage Engineering*, v 46, n 5, p 1750-1758, May 31, 2020

Language:Chinese

Database:Compendex

Document type:Journal article (JA)

65. **Effect of axial ventilation holes on performance of high voltage induction motor**

Meng, Da-Wei (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Jin-Xiao; Yu, Xi-Wei**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 1, p 38-44, January 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

66. **The performance of core deterioration process analysis based on multiscale method and eddy current testing method**

Liu, Jinhui (Electrical and Electronic Engineering College, Harbin University of Science and Technology, Harbin, China); **Meng, Dawei; Ai, Mengmeng**

Source: *International Journal of Applied Electromagnetics and Mechanics*, v 62, n 1, p 145-159, 2020

Database:Compendex

Document type:Journal article (JA)

67. **Calculation Method of Equivalent Core Impedance and Admittance Parameters of Long Distance Power Cable**

Zhu, Bo (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Tian, Ligang; Wei, Xinlao; Nie, Hongyan**

Source: *7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings*, September 6, 2020, *7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings*

Database:Compendex

Document type:Conference article (CA)

68. **3-D acceleration measurement of traction passenger elevator based on magnetic levitation technology**

Jiang, Dong (College of Electrical & Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Cai; Zhao, Yanchao; Wang, Deyu**

Source: *Zhendong yu Chongji/Journal of Vibration and Shock*, v 39, n 15, p 207-213, August 15, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

69. **Design of Induction Motor with Toroidal Winding**

Xu, Yongming (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Xu, Ziyi; Ai, Mengmeng**

Source: *2020 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices, ASEMD 2020*, October 16, 2020, *2020 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices, ASEMD 2020*

Database:Compendex

Document type:Conference article (CA)

70. **Design and research of series magnetic circuit hybrid excitation compound motor**

Xie, Ying (College of Electrical & Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Hua, Bang-Jie; Hei, Liang-Sheng; Zhang, Xiao-Ming**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 9, p 48-55, September 1, 2020

Language: Chinese

Database: Compendex

Document type:Journal article (JA)

71. **External oil cavity coupled with EFPI partial discharge ultrasonic detection sensor**

Chen, Qi-Chao (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhao, Hong; Zhang, Wei-Chao**

Source: *Guangxue Jingmi Gongcheng/Optics and Precision Engineering*, v 28, n 7, p 1471-1479, July 1, 2020

Language: Chinese

Database:Compendex

Document type:Journal article (JA)

72. **Research on eddy current losses algorithm in solid rotor of high speed squirrel cage induction motor**
Chou, Weixiang (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Liang, Yanping**; **Gao, Lianlian**; **Wang, Dongmei**
Source: *IET Electric Power Applications*, v 14, n 6, p 1023-1029, June 1, 2020
Database:Compendex
Document type:Journal article (JA)
73. **Dynamic and adjustable new pattern four-vector SVPWM algorithm for application in a five-phase induction motor** (*Open Access*)
Li, Jinhong (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Meng, Dawei**
Source: *Energies*, v 13, n 7, April 2020
Database:Compendex
Document type:Journal article (JA)
74. **Comparative study on variable flux memory machines with different arrangements of permanent magnets** (*Open Access*)
Xie, Ying (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ning, Zhaoyang**; **Ma, Zexin**
Source: *IEEE Access*, v 8, p 164304-164312, 2020
Database:Compendex
Document type:Journal article (JA)
75. **Design and research on high power density induction motor in electric vehicle**
Xie, Ying (School of Electric and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Zhi-Wei**; **Guo, Jin-Peng**
Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 2, p 46-54, February 1, 2020
Language:Chinese
Database:Compendex
Document type:Journal article (JA)
76. **Research on SVG control based on grid voltage tracking**
Kang, Erliang (Harbin University of Science and Technology, School of Electrical and Electronic Engineering, Harbin, China); **Liu, Huanyu**; **Yang, He**; **Zhao, Ting**; **Tian, Yu**
Source: *2020 2nd International Conference on Smart Power and Internet Energy Systems, SPIES 2020*, p 17-20, September 15, 2020, *2020 2nd International Conference on Smart Power and Internet Energy Systems, SPIES 2020*
Database:Compendex
Document type:Conference article (CA)
77. **Improved Energy Storage Density in Polymethyl Methacrylate Nanocomposites by Filling with High Aspect Ratio BaSrTiO₃Nanofibers**

Zhang, Tiandong (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Yang, Lianyin; Qi, Zhenfei; Chi, Qingguo**

Source: *7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings*, September 6, 2020, *7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings*

Database:Compendex

Document type:Conference article (CA)

78. Influence of control and structure parameters on the starting performance of a 12/8 pole switched reluctance motor (Open Access)

Han, Jichao (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ge, Baojun; Zhang, Kai; Wang, Yang; Wang, Chao**

Source: *Energies*, v 13, n 14, July 2020

Database:Compendex

Document type:Journal article (JA)

79. Simulation study of interlamination short-circuit fault in cores based on homogenization theory

Liu, Jin-Hui (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Meng, Da-Wei; Xia, Yun-Yan; Ai, Meng-Meng**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 6, p 1-8, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

80.Sliding mode control of LLC resonant converter for electric vehicle power supply

Liu, Yu-Bo (School of Electrical & Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Xu-Dong**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 3, p 131-137, March 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

81.Fault Diagnosis Method for Submersible Reciprocating Pumping Unit Based on Deep Belief Network (Open Access)

Yu, Deliang (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Zhang, Huibo**

Source: *IEEE Access*, v 8, p 109940-109948, 2020

Database:Compendex

Document type:Journal article (JA)

82.Research on EEG emotion recognition based on MAREsnet

Liu, Changyuan (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Yuhan; Li, Wenqiang; Lan, Chaofeng**

Source: Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, v 41, n 7, p 235-242, July 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

83. Research on anti-lock braking control strategy of distributed-driven electric vehicle (Open Access)

Yu, Deliang (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Wensong; Zhang, Huibo; Xu, Dongyue**

Source: IEEE Access, v 8, p 162467-162478, 2020

Database:Compendex

Document type:Journal article (JA)

84. A New Global Transposition Method of Stator Winding and Its Loss Calculation in AC Machines

Wang, Dongmei (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liang, Yanping; Gao, Lianlian; Bian, Xu; Wang, Chenguang**

Source: IEEE Transactions on Energy Conversion, v 35, n 1, p 149-156, March 2020

Database:Compendex

Document type:Journal article (JA)

85. Analysis on electromagnetic vibration and noise of U-type single phase self-starting permanent magnet synchronous motor

Fu, Min (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Deng, Jia-Hui; Yu, Jing; Song, Han-Sheng**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 6, p 64-71 and 80, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

86. Current Deviation Decoupling Control with a Sliding Mode Observer for Permanent Magnet Synchronous Motor

Liu, Yubo (Ministry of Education Engineering Research Center of Automotive Electronics Drive Control and System Integration, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Xudong; Zhou, Kai**

Source: Diangong Jishu Xuebao/Transactions of China Electrotechnical Society, v 35, n 8, p 1642-1652, April 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

87. First-Principles Investigation of GaInSe₂ Monolayer as a Janus Material

Xu, Xianda (Key Laboratory of Engineering Dielectrics and Its Application, School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Weifeng**

Source: Kuei Suan Jen Hsueh Pao/Journal of the Chinese Ceramic Society, v 48, n 4, p 507-513, April 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

88.IPMSM control system based on ADRC-PBC strategy

Jin, Ning-Zhi (Ministry of Education Engineering Research Center of Automotive Electronics Drive Control and System Integration, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Guang-Yi; Liu, Jin-Feng; Ma, Teng; Zhou, Kai**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 12, p 35-42, December 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

89.Fault diagnosis and fault tolerant control technology of brushless DC motor

Lü, De-Gang (The key lab of National and Local United Engineering for Electric & Heat Transfer Technology of Large Electrical Machine, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Song**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 8, p 58-66, August 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

90.Frequency Modulated Continuous Wave LIDAR Based on Injection- Locking Technology for Simultaneous Distance and Speed Measurement

Zhang, Hongying (Heilongjiang Provincial Key Laboratory of Quantum Manipulation & Control, Harbin University of Science and Technology, Harbin; 150080, China); **Tian, Xiaoning; Lei, Yanyang; Zhu, Zongda; Dong, Yongkang**

Source: Guangxue Xuebao/Acta Optica Sinica, v 40, n 15, August 10, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

91.Single-loop model prediction control of PMSM with moment of inertia identification

Liu, Fengyang (Harbin University of Science and Technology, 52 Xuefu Rd, Nangang, Harbin; Heilongjiang; 150080, China); **Kang, Erliang; Cui, Naizheng**

Source: IEEJ Transactions on Electrical and Electronic Engineering, v 15, n 4, p 577-583, April 1, 2020

Database:Compendex

Document type:Journal article (JA)

92.Excellent energy storage performance for P(VDF-TrFE-CFE) composites by filling core-shell structured inorganic fibers

Xue, Jinpeng (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, 52 Xuefu Road, Harbin; Heilongjiang; 150080, China); **Zhang, Tiandong; Zhang, Changhai; Zhang, Yue; Feng, Yu; Zhang, Yongquan; Chi, Qingguo**

Source: Journal of Materials Science: Materials in Electronics, v 31, n 23, p 21128-21141, December 2020

Database:Compendex

Document type:Journal article (JA)

93. Research on Life Prediction of Oil-Paper Insulation Based on Dielectric Response

Liu, Ji (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Lv, Jialu; Zhang, Mingze; Jia, Haifeng; Zhuang, Weitao; Chen, Xin**

Source: Electric Power Components and Systems, v 48, n 3, p 281-290, February 7, 2020

Database:Compendex

Document type:Journal article (JA)

94. Bidirectional DC/DC converter for auxiliary power system of electric vehicle

Zhou, Mei-Lan (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Yang; Huang, Feng-Tao; Wu, Xiao-Gang**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 11, p 73-81, November 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

95. Island detection for photovoltaic grid-connected system based on parameter adaptive AFDPF algorithm

Song, Li-Xin (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Si-Qi; Zhang, Nan-Nan**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 2, p 102-109, February 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

96. Research on method of frequency normalizing in frequency domain of oil-paper insulation

Zhang, Ming-Ze (Key Laboratory of Engineering Dielectrics and Its Application of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Ji; Lü, Jia-Lu; Chen, Qing-Guo; Sun, Yu-Fei; Qi, Peng-Shuai; Chen, Xin**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 12, p 27-34, December 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

97. **Multi-scale analysis and pattern recognition of ultrasonic signals of PD in a liquid/solid composite of an oil-filled terminal** (Open Access)

Wang, Yulong (Key Laboratory of Engineering Dielectrics and its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Xiaohong; Li, Yancheng; Li, Lili; Gao, Junguo; Guo, Ning**
Source: Energies, v 13, n 2, 2020

Database: Compendex

Document type: Journal article (JA)

98. **Toward Group Applications of Zinc-Silver Battery: A Classification Strategy Based on PSO-LSSVM** (Open Access)

Li, Ran (Engineering Research Center, Ministry of Education of Automotive Electronics Drive Control and System Integration, Harbin University of Science and Technology, Harbin; 150080, China); **Xu, Shihui; Zhou, Yongqin; Li, Sibao; Yao, Jie; Zhou, Kai; Liu, Xianzhong**

Source: IEEE Access, v 8, p 4745-4753, 2020

Database: Compendex

Document type: Journal article (JA)

99. **Design of monitoring system for intelligent windows based on cloud platform** (Open Access)

Liu, Changyuan (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Heilongjiang Province, Harbin; 150080, China); **Jia, Yunxiang; Guo, Penggang; Zhang, Yifan**

Source: Journal of Physics: Conference Series, v 1656, n 1, November 7, 2020, 2020 International Conference on Big Data Mining and Information Processing, BDMIP 2020

Database: Compendex

Document type: Conference article (CA)

100. **Designing coexisting multi-phases in PZT multilayer thin films: An effective way to induce large electrocaloric effect** (Open Access)

Chen, Cai (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Sichun; Zhang, Tiandong; Zhang, Changhai; Chi, Qingguo; Li, Weili**

Source: RSC Advances, v 10, n 11, p 6603-6608, 2020

Database: Compendex

Document type: Journal article (JA)

101. **Short-circuit fault current limiter based on unforced transition of rectified capacitive current**

Wei, Xin-Lao (MOE Key Laboratory of Engineering Dielectrics and Its Application, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Meng-Jiao; Sun, Huai**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 5, p 26-33, May 1, 2020 Language: Chinese

Database: Compendex

Document type: Journal article (JA)

102. **Toward group applications: A critical review of the classification strategies of lithium-ion batteries** (Open Access)

Li, Ran (Engineering Research Center, Ministry of Education of Automotive Electronics Drive Control and System Integration, Harbin University of Science & Technology, Harbin; 150080, China); **Zhang, Haonian; Li, Wenrui; Zhao, Xu; Zhou, Yongqin**

Source: World Electric Vehicle Journal, v 11, n 3, p 1-23, September 2020

Database:Compendex

Document type:Journal article (JA)

103. **State of charge prediction algorithm of lithium-ion battery based on PSO-SVR cross validation** (Open Access)

Li, Ran (Engineering Research Center of Automotive Electronics Drive Control and System Integration, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Xu, Shihui; Li, Sibao; Zhou, Yongqin; Zhou, Kai; Liu, Xianzhong; Yao, Jie**

Source: IEEE Access, v 8, p 10234-10242, 2020

Database:Compendex

Document type:Journal article (JA)

104. **Effect of Rotor Eccentricity Fault on Air Gap Magnetic Field in Brushless Doubly-Fed Machine**

Ge, Baojun (National Engineering Research Center of Large Electric Machines and Heat Transfer Technology, Harbin University of Science and Technology, Harbin; 150080, China); **Mao, Bo; Lin, Peng; Xiao, Fang; Niu, Huanran**

Source: Diangong Jishu Xuebao/Transactions of China Electrotechnical Society, v 35, n 3, p 502-508, February 10, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

105. **Time-finite element analysis of stator iron loss distribution in switched reluctance motors**

Ge, Bao-Jun (National Engineering Research Center of Large Electric Machines and Heat Transfer Technology, Harbin University of Science and Technology, Harbin; 150080, China); **Wei, Yao; Han, Ji-Chao; Huang, Shuai**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 7, p 20-28, July 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

106. **Study on Preparation and Breakdown Performance of Acetylated SEBS/PP**

Zhang, Peng (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Wang, Xuan; Yang, Jiaming; Zhang, Yongqi**

Source: 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings, September 6, 2020, 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings

Database:Compendex

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Document type:Conference article (CA)

107. Online Lithium Battery Fault Diagnosis based on Least Square Support Vector Machine Optimized by Ant Lion Algorithm

Li, Sibó (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Yongqin; Li, Ran; Zhao, Xu**

Source: International Journal of Performability Engineering, v 16, n 10, p 1637-1645, October 2020

Database:Compendex

Document type:Journal article (JA)

108. Analysis and Calculation of Three-dimensional Electromagnetic Field and Eddy Current Loss of Cryogenic High-speed Permanent Magnet Motor Applied for LNG Pump

Ge, Baojun (National Engineering Research Center of Large Electric Machines and Heat Transfer Technology, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **Liu, Haitao; Wang, Likun; Lin, Peng; Tao, Dajun; Yu, Lan**

Source: Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering, v 40, n 2, p 634-643, January 20, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

109. Dielectric property and space charge behavior of polyimide/silicon nitride nanocomposite films (Open Access)

Chen, Minghua (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Wenqi; Zhang, Jiawei; Chen, Qingguo**

Source: Polymers, v 12, n 2, February 1, 2020

Database:Compendex

Document type:Journal article (JA)

110. Finite Element Analysis of Oil-paper Insulation Nonuniform Aging in Transformer

Liu, Ji (College of Electrical and Electronic Engineering (of Affiliation), Harbin University of Science and Technology (of Affiliation), Harbin, China); **Li, Lu; Zhang, Mingze; Wang, Kunhan**

Source: 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings, September 6, 2020, 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings

Database:Compendex

Document type:Conference article (CA)

111. Three-dimensionally hierarchical NiCoP@PANI architecture for high-performance hydrogen evolution reaction

Zhang, Jiawei (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Li, Yu; Wang, Zhe; Wang, Yuqing; Wang, Fan; Chen, Minghua**
Source: Nanotechnology, v 31, n 44, October 30, 2020

Database:Compendex

Document type:Journal article (JA)

112.**Study of a Prediction Method of the Failure Time and Failure Voltage of Generator Stator Bars under the Electrical Stress Test**

Sun, Yongxin (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Chen, Qingguo; Cheng, Song**

Source: IEEE Transactions on Energy Conversion, v 35, n 3, p 1309-1315, September 2020

Database:Compendex

Document type:Journal article (JA)

113.**Prussian blue coated with reduced graphene oxide as high-performance cathode for lithium-Sulfur batteries (Open Access)**

Chen, Minghua (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Zhanpeng; Liu, Xiaoxue; Li, Yu; Wang, Yuqing; Fan, He; Liang, Xinqi; Chen, Qingguo**

Source: RSC Advances, v 10, n 53, p 31773-31779, August 27, 2020

Database:Compendex

Document type:Journal article (JA)

114.**Network-combined broad learning and transfer learning: A new intelligent fault diagnosis method for rolling bearings**

Wang, Yujing (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Wang, Chao; Kang, Shouqiang; Xie, Jinbao; Wang, Qingyan; Mikulovich, V.I.**

Source: Measurement Science and Technology, v 31, n 11, November 2020

Database:Compendex

Document type:Conference article (CA)

115.**Research on nonlinear correction method of current transformer based on support vector machine**

Liu, Jie (School of Electric and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Pei, Jie; Tian, Ming; Zhu, Xuan**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 10, p 130-138, October 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

116.**A Novel Fabry-Perot Sensor Mounted on External Surface of Transformers for Partial Discharge Detection**

Liu, Xiao-Yu (Key Laboratory of Engineering Dielectrics and Its Application Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Chen, Qi-Chao; Zhang, Wei-Chao; Zhao, Hong**
Source: 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings, September 6, 2020, 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings

Database:Compendex

Document type:Conference article (CA)

117. Study on the influence of preload on the thermal aging of transformer oil-paper insulation

Liu, Ji (Key Laboratory of Engineering Dielectrics and Application of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Fan-Yu**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 6, p 127-134, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

118. Research Progress on Prediction of Aging Life of Motor Stator Insulation

Gao, Junguo (Key Laboratory of Engineering Dielectrics and Its Application of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Meng, Ruixiao; Hu, Haitao; Zhang, Xiaohong**

Source: Diangong Jishu Xuebao/Transactions of China Electrotechnical Society, v 35, n 14, p 3065-3074, July 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

119. Rational design of a MnO nanoparticle-embedded carbon nanofiber interlayer for advanced lithium-sulfur batteries

Chen, Minghua (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Li, Tianyu; Li, Yu; Liang, Xinqi; Sun, Weifeng; Chen, Qingguo**

Source: ACS Applied Energy Materials, v 3, n 11, p 10793-10801, November 23, 2020

Database:Compendex

Document type:Journal article (JA)

120. AC Equivalent Parameters Identification of Nonlinear Dielectric Properties of PE/SiC Composites Based on Genetic Algorithm

Chen, Guanyu (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Heilongjiang; 150080, China); **Sun, Yunlong; Hu, Jianyu; Li, Zhonghua**

Source: 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings, September 6, 2020, 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings

Database:Compendex

Document type:Conference article (CA)

121. Dielectric Properties of SiO₂/MMT/LDPE Micro-nano Composites

Jiang, Hongtao (Key Laboratory of Engineering Dielectrics and Its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, China); **Zhang, Xiaohong; Gao, Junguo; Guo, Ning**

Source: 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings, September 6, 2020, 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings

Database:Compendex

Document type:Conference article (CA)

122. Quantitative Calculation Method of Transformer Oil-Paper Insulation Aging Parameters Based on Frequency Dielectric Spectrum Frequency Range Optimized Calculation

Liu, Ji (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Mingze; Zhao, Chunming; Cheng, Weichao; Jia, Haifeng; Zhu, Bo**

Source: Diangong Jishu Xuebao/Transactions of China Electrotechnical Society, v 35, n 9, p 2020-2031, May 10, 2020 **Language:** Chinese

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Xu, Yongming (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); **Ai, Mengmeng; Xu, Ziyi; Liu, Wenhui; Wang, Yaodong**

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124. Thermal equivalent network method for calculating stator temperature of a shielding induction motor

Wang, Dongmei (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liang, Yanping; Li, Cangxue; Yang, Peipei; Zhou, Chunlei; Gao, Lianlian**

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Han, Yongsen (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Sun, Jian; Chen, Guanyu; Xu, Zihan; Li, Zhonghua**

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Kang, Shouqiang (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Qiao, Chunyang; Wang, Yujing; Wang, Qingyan; Hu, Mingwu; Mikulovich, V.I.**

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127.Analysis of the coupling between surface plasmon polariton mode and dipole mode at terahertz metasurface absorber

Wang, Yue (Key Laboratory of Engineering Dielectric and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Cui, Zijian; Yue, Lisha; Zhang, Xiaoju; Zhu, Yongqiang; Zhang, Xiang; Yao, Zhenyu; Zhang, Dachi; Ma, Cheng**

Source: International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz, 2020-November, p 910-911, November 8, 2020, 2020 45th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz 2020

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128.Study of partial discharge characteristics in HFO-1234ze(E)/N2 mixtures

Jia, Zongkai (Key Laboratory of Engineering Dielectrics and its Application of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Qingguo; Lin, Lin; Wang, Xinyu**

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129.AC performance and physical/mechanical properties of polypropylene/polyolefin elastomers blends

Zhao, Hong (Key Lab of Engineering Dielectrics and their Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Song; Zheng, Chang-Ji; Song, Shu-Wei; Zahng, Wen-Long**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 3, p 28-37, March 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

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Jichao, Han (Harbin University of Science and Technology, Harbin; 150080, China); **Yang, Wang; Chao, Wang; Ping, Zheng; Yutian, Sun; Baojun, Ge**

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Xu, Xian-Da (Heilongjiang Provincial Key Laboratory of Dielectric Engineering, School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhao, Lei; Sun, Wei-Feng**

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机械 116 篇

1.State-of-the-Art control strategies for robotic PiH assembly

Jiang, Jingang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Huang, Zhiyuan; Bi, Zhuming; Ma, Xuefeng; Yu, Guang**

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2.Intelligent Monitoring and Control Technology of Cutting Chatter

Wang, Zhixue (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Xianli; Li, Maoyue; Liang, S.Y.; Wang, Lihui; Li, Yuqiang; Meng, Boyang**

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4.4. Design of insertion mechanism for cannula flexible needle based on triz (Open Access)

Zhao, Yan-Jiang (Harbin University of Science and Technology, China); **Zhang, Rui-Kang; Zhang, Yong-De; Fang, Yu-Kang**

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5. Design and Workspace Analysis of a Differential Motion Rotary Style Breast Interventional Robot (Open Access)

Zhang, Yongde (Intelligent Machine Institute, Harbin University of Science and Technology, Harbin, China); **Sun, Liyi; Liang, Dexian; Du, Haiyan**

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Tang, Dedong (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Xiao, Limei**

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8. Portable life support system: Current status and future perspectives

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9. Support vector regression and genetic-algorithm-based multiobjective optimization of mesoscopic geometric characteristic parameters of ball-end milling tool

Tong, Xin (Harbin University of Science and Technology, Harbin, China); **Liu, Xianli; Yu, Song**

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Xu, Chengyang (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Yiwen; Xu, Jiazhong; Liu, Xianli**

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13. Experimental study of cutting-parameter and tool life reliability optimization in inconel 625 machining based on wear map approach

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Li, Ze (Material Science and Engineering School, Harbin University of Science and Technology, Harbin, China); **Gong, Guifen; Xing, Yun; Luo, Yanmei; Cui, Weiwei**

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16. Wear Numerical Simulation and Life Prediction of Microstructure Surface Unfolding Wheel for Steel Ball Inspection

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18. Study on bending modeling of cannula flexible needle inserting into soft tissue based on finite element method

Zhao, Yanjiang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Fang, Yukang; Zhang, Yongde; Zhang, Ruikang**

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21. **Control Strategy of Hybrid Electric Vehicle based on Threshold Control**

Shi, Chunyuan (Engineering Training Center, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Chen; Yu, Zhilong; Li, Ran**

Source: *International Journal of Performability Engineering*, v 16, n 3, p 462-469, March 2020

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23. **Heat transfer and energy consumption of passive house in a severely cold area: Simulation analyses (Open Access)**

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24. **Research on dynamic hysteresis compensation method based on magneto-electric encoder MEMS gyro calibration and high order filtering**

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25. **Hybrid Deep Neural Network based on SDAE and GRUNN**

Zou, Yingyong (Harbin University of Science and Technology, School of Mechanical and Power Engineering, Harbin; 150080, China); **Yu, Jun; Tang, Jiangen; Zhang, Yongde**

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26. **Analysis of fatigue damage of cemented carbide insert during the heavy-duty milling of water chamber head**

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Zhang, Hui-Ping (School of Mechanical Engineering, Harbin University of Science and Technology, Harbin, China); **Zhang, Zhong-Shi; Zheng, Zhi-Yun; Liu, Er-Liang**

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He, Xiulan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wu, Cheng; Zhang, Wenzheng; Zheng, Wei**

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30. **A Fast Image Fusion with Discrete Cosine Transform**

Wang, Monan (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Shang, Xiping**

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31. **Networking method of multi-view stereo-vision measurement network**

Qiao, Yujing (Institute of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin; 150000, China); **Jia, Baoming; Jiang, Jingang; Wang, Jingyi**

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32. Study on the cutting performance in machining assembled hardened steel workpiece with torus cutter

Chen, Tao (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Gao, Weijie; Wang, Guangyue; Liu, Xianli**

Source: *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, v 234, n 4, p 701-709, March 1, 2020

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33. Orthodontic force prediction model of T-loop closing spring based on dynamic resistance model

Jiang, Jingang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Chen, Houjun; Huang, Zhiyuan; Ma, Xuefeng; Zhang, Yongde; Liu, Yi**

Source: *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, v 234, n 12, p 1384-1396, December 2020

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Jiang, Jingang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Huang, Zhiyuan; Ma, Xuefeng; Zhang, Yongde; He, Tianhua; Liu, Yi**

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35. Research on the preprocessing method of blade point cloud based on structured light on-machine measurement

Li, Maoyue (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ma, Kangsheng; Wang, Fei; Liu, Shuo**

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Zhang, Yongde (Robotics & ITS Engineering Research Center, Harbin University of Science and Technology, Harbin; 150080, China); **Qin, Peiwang; Jiang, Jingang; Wu, Xinghua; Zhao, Qi; Huang, Zhiyuan**

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Zhang, Weixi (School of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Yongde; Liang, Dexian**

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38. **Prediction model of the clearance oil film for static vertical rail considering the ram deformation** (*Open Access*)

Zhang, Yan-Qin (College of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin, China); **Hou, Jin-Jun; Gao, Wei-Cheng; Zhao, Zhi-Wei; Zhou, De-Fan; Cheng, Hai-Kuo**

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39. **A subdivision method for judging the difference between extreme values of the finite angle magneto-electric encoder**

Wang, Lei (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Dianhao; Han, Jichao; Pan, Wei; Zhang, Yongde**

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40. **Analysis and prediction of surface wear resistance of ball-end milling topography**

Zheng, Minli (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Wang, Ben; Zhang, Wei; Cui, Youzheng; Zhang, Lei; Zhao, Sihang**

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Jiang, Jin-Gang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Yi-Hao; Wang, Lei; Zhang, Yong-De; Liu, Yi; Qian, Wei**

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42. **Analysis of Anti-eccentric Load Characteristics of Hydraulic Cylinder Hydrostatic Supports**

Shao, Junpeng (School of Mechanical and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Xu, Longfei; Sun, Guitao**

Source: *Zhongguo Jixie Gongcheng/China Mechanical Engineering*, v 31, n 18, p 2174-2180, September 25, 2020 **Language:** Chinese

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43. **Study on Material Damage of Carbide Tool during Heavy-Duty Cutting**

Cheng, Yaonan (School of Mechanical Engineering, Harbin University of Science and Technology, Harbin, China); **Nie, Wanying; Li, Chunyang; Jia, Weikun; Qin, Chao**

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44. **Reliability Optimization Design of New Automatic Tensioning Belt-Gear Transmission**

Pan, Chengyi (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Cao, Guanqun; Tong, Yuanqi**

Source: *Mechanisms and Machine Science*, v 77, p 1030-1043, 2020

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45. **Intelligent recognition of tool wear type based on convolutional neural networks**

Wu, Xuefeng (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Yahui; Bi, Songze**

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46. **3D CFD thermal calculation for a vertical asynchronous motor with a squirrel-cage rotor**

Han, Jia-De (School of Mechanical & Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Peng; Zhu, Ling-Bo; Lu, Yi-Ping; Zhu, Jia-Ning**

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47. Tooth preparation trajectory planning and experiment study of tooth preparation robot

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Source: *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 41, n 5, p 85-98, May 1, 2020 **Language:** Chinese

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48. Design and Simulation Analyses of a Five-Wheeled Stair-Climbing Mechanism Based on TRIZ Theory

Pan, Chengyi (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Tong, Yuanqi**
Source: *Mechanisms and Machine Science*, v 77, p 1044-1053, 2020

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49. Tool Optimization for Splicing Die Milling Processes Based on Finite Element Simulation

Yue, Caixu (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Xin; Liu, Zhibo; Xie, Na; Wang, Yanwu**
Source: *Zhongguo Jixie Gongcheng/China Mechanical Engineering*, v 31, n 17, p 2085-2094, September 10, 2020 **Language:** Chinese

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50. Study on the design and cutting performance of stepped bi-directional milling cutters for hole making of CFRP

Tao, Chen (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Rui, Li; Jiupeng, Xiang; Weijie, Gao; Yongsheng, Wang**
Source: *International Journal of Advanced Manufacturing Technology*, v 108, n 9-10, p 3021-3030, June 1, 2020

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51. Remaining Useful Life Prediction of Planet Bearings Based on Conditional Deep Recurrent Generative Adversarial Network and Action Discovery

Yu, Jun (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Ke; Guo, Shuai; Yu, Guangbin; Guo, Zhenyu**
Source: *Binggong Xuebao/Acta Armamentarii*, v 41, n 11, p 2170-2178, November 2020 **Language:** Chinese

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52.Parameter optimization of a micro-textured ball-end milling cutter with blunt round edge

Yang, Shucai (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ren, Wei; Wang, Tianjiao; Su, Shuai**

Source: International Journal of Advanced Manufacturing Technology, v 106, n 1-2, p 577-588, January 1, 2020

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53. Cervical vertebra tractor: Current status and future perspectives

Jiang, Jingang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Qian, Wei; Huang, Zhiyuan; Zhang, Yongde; Chen, Houjun; Song, Shichang**

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54.The Design and Dynamics Analysis of Cylindrical Roller Surface Unfolding Mechanism

Bao, Yudong (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Xiaojian; Pan, Chengyi; Zhao, Yanling; He, Liqun**

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55.Sparse Representation Label Fusion Method Combining Pixel Grayscale Weight for Brain MR Segmentation

Li, Pengcheng (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **Wang, Monan**

Source: Lecture Notes in Electrical Engineering, v 633 LNEE, p 7-16, 2020, Medical Imaging and Computer-Aided Diagnosis - Proceeding of 2020 International Conference on Medical Imaging and Computer-Aided Diagnosis, MICAD 2020

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Document type:Conference article (CA)

56.Study on Contact Dynamics of Cylindrical Roller Feeding Mechanism

Zhao, Yanling (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Xinyue; Bao, Yudong**

Source: Mechanisms and Machine Science, v 77, p 1082-1092, 2020

Database:Compendex

Document type:Book chapter (CH)

57.Research on morphology measurement error compensation method based on the monocular structure light

Li, Maoyue (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ma, Kangsheng; Xu, Yonghao; Wang, Fei**

Source: Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, v 41, n 5, p 19-31, May 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

58.Comparative study on the cutting performance of self-propelled rotary cutters and indexable cutters in milling TC11 titanium alloy

Chen, Tao (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Yongsheng; Gao, Weijie; Li, Rui**

Source: International Journal of Advanced Manufacturing Technology, v 111, n 9-10, p 2749-2758, December 2020

Database:Compendex

Document type:Journal article (JA)

59.Design and research on guide blind device based on user experience

Zhang, Jianyi (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shi, Xinyu; Jin, Xinqin; Li, Fengfeng; Chen, Xin**

Source: Lecture Notes in Electrical Engineering, v 645, p 1029-1036, 2020, Man-Machine-Environment System Engineering - Proceedings of the 20th International Conference on MMESE, 2020

Database:Compendex

Document type:Conference article (CA)

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Wang, M.N. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Liu, F.J.**

Source: Computer Methods in Biomechanics and Biomedical Engineering, p 1-10, 2020

Database:Compendex

Document type:Journal article (JA)

61.Fault diagnosis of wearable temperature sensors based on multi-scale feature extraction

Yu, Mingxin (College of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Dai, Bing; Yu, Guangbin; Zhang, Hongquan**

Source: Proceedings of 2020 IEEE International Conference on Information Technology, Big Data and Artificial Intelligence, ICIBA 2020, p 1053-1057, November 6, 2020, Proceedings of 2020 IEEE International Conference on Information Technology, Big Data and Artificial Intelligence, ICIBA 2020

Database:Compendex

Document type:Conference article (CA)

62. Modeling of instantaneous cutting force for large pitch screw with vibration consideration of the machine tool

Li, Zhe (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Fu, Xiangfu; Li, Chao; Jiang, Bin; Zheng, Minli**

Source: International Journal of Advanced Manufacturing Technology, v 108, n 11-12, p 3893-3904, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

63. Recent patents on valve mechanism device

Dai, Ye (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Hui-Bing; Qi, Yun-Shan**

Source: Recent Patents on Mechanical Engineering, v 13, n 3, p 230-241, 2020

Database:Compendex

Document type:Journal article (JA)

64. Thermal Performance Characterization of Hydrostatic Thrust Bearing Under High Speed and Heavy Load Working Conditions

Yu, Xiaodong (MOE Key Laboratory of Advanced Manufacturing and Intelligent Technology, Harbin University of Science and Technology, Harbin; 150080, China); **Gao, Weicheng; Wu, Guangpeng; Zhou, Wenkai; Bi, Hongwei; Yang, Xiaodong; Zheng, Xiaojun**

Source: Huanan Ligong Daxue Xuebao/Journal of South China University of Technology (Natural Science), v 48, n 9, p 79-85, September 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

65. Thermal error modeling of high-speed motorized spindle based on ANFIS

Dai, Ye (Key Laboratory of Advanced Manufacturing Intelligent Technology of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Yin, Xiangming; Wei, Wenqiang; Wang, Gang; Zhan, Shiqiang**

Source: Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, v 41, n 6, p 50-58, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

66. Establishment of vibration wear model for turning large-pitch thread tools and its wear suppression method

Li, Zhe (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Fu, Xiangfu; Li, Junwei; Jiang, Bin; Wang, Fucheng**

Source: International Journal of Advanced Manufacturing Technology, v 109, n 3-4, p 857-876, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

67. Micro-texture design criteria for cemented carbide ball-end milling cutters

Yang, Shucai (Key Laboratory of Advanced Manufacturing Intelligent Technology Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Tianjiao; Ren, Wei; Su, Shuai**

Source: Journal of Mechanical Science and Technology, v 34, n 1, p 127-136, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

68. Research on oil film characteristics of piston pair in swash plate axial piston pump

Wang, Xiaojing (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Yuwei; Shen, Zhiqi**

Source: High Technology Letters, v 26, n 3, p 306-314, September 1, 2020

Database:Compendex

Document type:Journal article (JA)

69. FEM Simulation and Experiment of High-Pressure Cooling Effect on Cutting Force and Machined Surface Quality During Turning Inconel 718

Liu, Li (National Experimental Teaching Demonstration Center of Mechanical and Electrical Engineering, School of Mechanical Engineering, Tianjin University of Technology, Tianjin, China); **Wu, Mingyang; Li, Lubin; Cheng, Yaonan**

Source: Integrated Ferroelectrics, v 206, n 1, p 160-172, March 23, 2020

Database:Chimica

Document type:Journal article (JA)

70. The Study of Electric Field Distribution on Small Holes in Pulse Electrochemical Machining

Li, Zhaolong (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China)

Source: Mechanisms and Machine Science, v 77, p 1018-1029, 2020

Database:Compendex

Document type:Book chapter (CH)

71. Recent patents on micro-edm milling

Xie, Baocheng (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Heilongjiang Province, Harbin; 150080, China); **Liu, Jianguo; Chen, Yongqiu**

Source: Recent Patents on Mechanical Engineering, v 13, n 3, p 219-229, 2020

Database:Compendex

Document type:Journal article (JA)

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Wang, Lei (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Dianhao; Li, Yuqiang; Zhang, Yongde; Pan, Wei**

Source: Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, v 41, n 6, p 94-105, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

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Meng, Fanrong (Harbin University of Science and Technology, School of Mechanical and Power Engineering, Heilongjiang Harbin; 150080, China); **Zhang, Huibing; Dai, Ye; Zhang, Hanbo; Wei, Wenqiang; Liu, Rui**

Source: MATEC Web of Conferences, v 306, January 14, 2020, 6th International Conference on Mechatronics and Mechanical Engineering, ICMME 2019

Database:Compendex

Document type:Conference article (CA)

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Chen, Tao (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Changhong; Xiang, Jiupeng; Wang, Yongsheng**

Source: International Journal of Advanced Manufacturing Technology, v 111, n 9-10, p 2441-2448, December 2020

Database:Compendex

Document type:Journal article (JA)

75. Research on Dynamic Path Planning of Wheeled Robot Based on Deep Reinforcement Learning on the Slope Ground (Open Access)

Wang, Peng (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Xiaoqiang; Song, Chunxiao; Zhai, Shipeng**

Source: Journal of Robotics, v 2020, 2020

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76. Characteristics evaluation of bio-char produced by pyrolysis from waste hazelnut shell at various temperatures

Zhao, Chenxi (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China); **Liu, Xianli; Chen, Aihui; Chen, Juhui; Lv, Wei; Liu, Xiaogang**

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Article in Press

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Document type:Article in Press

77. Research on target organ motion tracking method based on the fusion of inertial navigation and electromagnetic navigation

Wang, Kairui (Key Laboratory of Ministry of Education of Advanced Manufacturing and Intelligent Technology, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Yongde; Liu, Yunhui**

Source: Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, v 41, n 11, p 177-187, November 2020 **Language:** Chinese

Database:Compendex

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Zhang, Anshan (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science & Technology, Harbin; 150080, China); **Liu, Xianli; Yue, Caixu; Yang, Shucui; Xia, Wei**

Source: Jixie Gongcheng Xuebao/Journal of Mechanical Engineering, v 56, n 11, p 229-239, June 5, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

79. Simulation and experimental research on tool temperature field for low-temperature cutting of Ti-5553

Liu, Erliang (School of Mechanical Engineering, Harbin University of Science and Technology, Harbin, China); **Deng, Shuang; Zhang, Chao; Zhang, Huiping; Wei, Xudong**

Source: Ferroelectrics, v 563, n 1, p 139-147, July 26, 2020

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Document type:Journal article (JA)

80. Prediction of the Instantaneous Milling Force of Ball End Milling Cutter for Convex Surface of Splicing Mold

Wu, Shi (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Tianyuan; Liu, Xianli; Liu, Hairui; Yang, Lin**

Source: Zhendong Ceshi Yu Zhenduan/Journal of Vibration, Measurement and Diagnosis, v 40, n 5, p 948-956, October 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

81. An improved simplified PCNN model for salient region detection

Wang, Monan (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **Shang, Xiping**

Source: Visual Computer, 2020

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Database:Compendex

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82. Automatic wavefront reconstruction on single interferogram with spatial carrier frequency using Fourier transform

Zhang, Hong-xin (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Xu; Qiu, Hao-ran; Zhou, Hao**

Source: Optoelectronics Letters, v 16, n 1, p 75-80, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

83. Multi-scale method for recognizing damage in high-efficiency milling cutter

Jiang, Bin (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Xu, Xingliang; Zhao, Peiyi; Fan, Lili; Gu, Yunpeng**

Source: International Journal of Advanced Manufacturing Technology, v 107, n 5-6, p 2547-2562, March 1, 2020

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Wang, Ben (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zheng, Minli; Zhang, Wei**

Source: Materials, v 13, n 22, p 1-15, November 2, 2020

Database:Compendex

Document type:Journal article (JA)

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Jiang, Bin (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Tingzheng; Zhao, Peiyi; Zhao, Junfeng**

Source: International Journal of Advanced Manufacturing Technology, v 109, n 5-6, p 1297-1317, July 1, 2020

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Document type:Journal article (JA)

86. Recent patents about pulse power supply of EDM

Li, En (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang Province; 150080, China); **Xie, Baocheng; Chen, Yongqiu**

Source: Recent Patents on Mechanical Engineering, v 13, n 1, p 24-34, 2020

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Document type:Journal article (JA)

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Xie, Baocheng (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang Province; 150080, China); **Liu, Jianguo; Chen, Yongqiu**

Source: Recent Patents on Mechanical Engineering, v 13, n 4, p 328-339, 2020

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Document type:Journal article (JA)

88. Design and control of a novel magnetic resonance imaging-compatible breast intervention robot (Open Access)

Lu, Mingyue (Intelligent Machine Institute, Harbin University of Science and Technology, Harbin, China); **Zhang, Yongde; Du, Haiyan**

Source: International Journal of Advanced Robotic Systems, v 17, n 3, 2020

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Document type:Journal article (JA)

89. Research on improved active disturbance rejection control of continuous rotary motor electro-hydraulic servo system

Wang, Xiao-jing (Key Laboratory of Advanced Manufacturing and Intelligent Technology (Ministry of Education), Harbin University of Science and Technology, Harbin; 150080, China); **Feng, Ya-ming; Sun, Yu-wei**

Source: Journal of Central South University, v 27, n 12, p 3733-3743, December 2020

Database:Compendex

Document type:Journal article (JA)

90. Thermo-mechanical coupling behaviour when milling titanium alloy with micro-textured ball-end cutters

Zheng, Minli (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **He, Chunsheng; Yang, Shucai**

Source: Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, v 234, n 6, p 562-575, December 1, 2020

Database:Compendex

Document type:Journal article (JA)

91. Structure optimization and flow field simulation of plate type high speed on-off valve

Wang, Xiao-jing (Key Laboratory of Advanced Manufacturing and Intelligent Technology of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Li, Wen-jie; Li, Chun-hui; Peng, Yi-wen**

Source: Journal of Central South University, v 27, n 5, p 1557-1571, May 1, 2020

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Document type:Journal article (JA)

92. Wear life prediction of cemented carbide microtextured surface

Yang, Shucai (Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Jiankun; Gou, Yadong; Zheng, Minli; Su, Shuai; Wang, Xianliang**

Source: Materials Science and Engineering B: Solid-State Materials for Advanced Technology, v 262, December 2020

Database:Compendex

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93. Experimental research on oxidation behavior when cutting Ti-5553 with cemented carbide and PCBN tools

Liu, Erliang (School of Mechanical Engineering, Harbin University of Science and Technology, Harbin, China); **An, Wenzhao; Zhang, Chao; Zhang, Huiping; Wang, Mingming**

Source: Ferroelectrics, v 563, n 1, p 128-138, July 26, 2020

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Document type:Journal article (JA)

94. Design and Experiment of Assistive Mechanism for Adjustment of Transrectal Ultrasound Probe (Open Access)

Jiang, Jin-Gang (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zuo, Hui**; **Zhang, Yong-De**; **Huang, Zhi-Yuan**; **Guo, Xiao-Wei**; **Xu, Yong**

Source: Applied Bionics and Biomechanics, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

95. Research on position / velocity synergistic control of electro hydraulic servo system

Gao, Bingwei (College of Mechanical and Power Engineering, Harbin University of Science and Technology, Xuefu Road, Harbin; Heilongjiang Province; 15080, China); **Ye, Yongtai**

Source: Recent Patents on Mechanical Engineering, v 13, n 4, p 366-377, 2020

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Document type:Journal article (JA)

96. Pressure impact characteristic of vane type continuous rotary motor under different buffer structures

Wang, Xiao-jing (Key Laboratory of Advanced Manufacturing and Intelligent Technology of Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Hu, Shan-liang**; **Shen, Zhi-qi**

Source: Journal of Central South University, v 27, n 12, p 3652-3666, December 2020

Database:Compendex

Document type:Journal article (JA)

97. THREE-DIMENSIONAL RECONSTRUCTION BASED on IMPROVED MARCHING CUBES ALGORITHM (Open Access)

Wang, Monan (Key Laboratory of Medical Biomechanics and Materials of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Luo, Haiyang**; **Cui, Q.I.**

Source: Journal of Mechanics in Medicine and Biology, v 20, n 9, November 2020

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Document type:Journal article (JA)

98. High-temperature flexural strength of SiC ceramics prepared by additive manufacturing

Xu, Teng-Teng (Department of Engineering Mechanics, Harbin University of Science and Technology, Harbin, China); **Cheng, Su**; **Jin, Lai-Zhen**; **Zhang, Kun**; **Zeng, Tao**

Source: International Journal of Applied Ceramic Technology, v 17, n 2, p 438-448, March 1, 2020

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Document type:Journal article (JA)

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Wang, Monan (Key Laboratory of Medical Biomechanics and Materials of Heilongjiang Province, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Han, Jialin; Yang, Qiyu**

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Document type:Journal article (JA)

100.**Investigation on tensile fracture properties of TA15 specimen formed by selective electron beam melting**

Xu, Yelin (Mechanical &Power Engineering college, Harbin University of Science and Technology, Harbin, China); **Liu, Erliang; Wei, Shiliang**

Source: Materials Science and Engineering A, v 773, 31 January 2020

Database:Compendex

Document type:Journal article (JA)

101.**Design of the walking driving system for a blueberry harvester based on contact mechanical behavior of wheel-soil**

Bao, Yudong (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Yang, Jie; Zhao, Yanling; Liu, Xianli; Guo, Yanling; Li, Zhipeng; Xiang, Jingzhong**

Source: Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, v 36, n 7, p 43-52, April 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

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Bi, Jintao (Intelligent Machine Institute, Harbin University of Science and Technology, Harbin, China); **Zhang, Yongde**

Source: International Journal of Pattern Recognition and Artificial Intelligence, v 34, n 5, May 1, 2020

Database:Compendex

Document type:Journal article (JA)

103.**Establishment of micropit diameter prediction models based on the support vector machine optimization**

Tong, Xin (School of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin, China); **Yu, Song; Wang, Lihui**

Source: Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, v 234, n 12, p 2417-2431, June 1, 2020

Database:Compendex

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104.**Time-varying analytical model of ball-end milling tool wear in surface milling**

Zhao, Zemin (School of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin, China); **Liu, Xianli; Yue, Caixu; Zhang, Hongyan; Li, Rongyi; Liang, Steven Y.**

Source: International Journal of Advanced Manufacturing Technology, v 108, n 4, p 1109-1123, May 1, 2020

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Document type:Journal article (JA)

105.**Improved Beetle Antennae Search Algorithm-Based Lévy Flight for Tuning of PID Controller in Force Control System (Open Access)**

Fan, Yuqi (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shao, Junpeng; Sun, Guitao; Shao, Xuan**

Source: Mathematical Problems in Engineering, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

106.**Anti-plane crack problem of a functionally graded piezoelectric materials strip with arbitrarily distributed properties**

Wang, Zhi-hai (Department of Engineering Mechanics, Harbin University of Science and Technology, Harbin; 150080, China); **Kong, Yuan-jie; Sun, Feng-yun; Zeng, Tao; Wang, Xiao-hong; Xu, Guo-dong**

Source: Acta Mechanica, v 231, n 3, p 1029-1043, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

107.**Parameter optimization of laser cladding ceramic repair layer of H13 steel**

Liu, Lijun (Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Dayu; Wang, Xiaolu; Li, Jiqiang; Cui, Yuanbiao; Jia, Zhixin**

Source: Hanjie Xuebao/Transactions of the China Welding Institution, v 41, n 7, p 65-70, July 25, 2020 **Language:** Chinese

Database:Compendex

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108.**Gait planning and control of quadruped crawling robot on a slope**

Wang, Peng (School of Mechanical and Power Engineering, Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin, China); **Song, Chunxiao; Li, Xiaoqiang; Luo, Peng**

Source: Industrial Robot, v 47, n 1, p 12-22, 16 Jan 2020

Database:Compendex

Document type:Journal article (JA)

109.**Preparation and slow release properties of camellia oil microcapsules**

Liang, Bo (Institute of Marine Intelligent Equipment, Harbin University of Science and Technology, Harbin; 150080, China); **Shao, Junpeng; Yang, Shuai; Gao, Jicheng; Zhang, Peng; Liu, Jiaqi; Wang, Weihua; Sun, Yingying; Zuo, Yongjin**

Source: Jingxi Huagong/Fine Chemicals, v 37, n 12, p 2541-2553, December 15, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

110. Experimental Study on Tool Wear in Cutting Superalloy under High-Pressure Cooling

Wu, Mingyang (The Key Laboratory of National and Local United Engineering for "High-Efficiency Cutting & Tools", Harbin University of Science and Technology, Harbin, China); **Wu, Shujie; Chu, Weixu; Liu, Keke; Cheng, Yaonan**

Source: Integrated Ferroelectrics, v 207, n 1, p 208-219, May 3, 2020

Database:Compendex

Document type:Journal article (JA)

111. Electrical powertrain modelling and bodywork optimization of high-speed electric vehicle

Zhou, Kai (Ministry of Education Engineering Research Center of Automotive Electronics Drive Control and System Integration, Harbin University of Science and Technology, Harbin; 150080, China); **Ren, Hao; Jin, Ning-Zhi; Liu, Yu-Bo; Ai, Min**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 9, p 126-133, September 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

112. A Modified Salp Swarm Algorithm Based on the Perturbation Weight for Global Optimization Problems (Open Access)

Fan, Yuqi (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shao, Junpeng; Sun, Guitao; Shao, Xuan**

Source: Complexity, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

113. Proportional–integral–derivative controller design using an advanced Lévy-flight salp swarm algorithm for hydraulic systems (Open Access)

Fan, Yuqi (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shao, Junpeng; Sun, Guitao; Shao, Xuan**

Source: Energies, v 13, n 2, 2020

Database:Compendex

Document type:Journal article (JA)

114. A compensation method for wheel wear in solid cutting tool groove grinding based on iteration algorithm

Liu, Xianli (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Zhan; Ji, Wei; Wang, Lihui**

Source: International Journal of Advanced Manufacturing Technology, v 107, n 7-8, p 3389-3399, April 1, 2020

Database:Compendex

Document type:Journal article (JA)

115. Tension Analysis of Small Motor Stator Winding Tensioning Process

Zhao, Yanling (State Key Laboratory of Robotics and Systems, Harbin; 150080, China); **Zhang, Zhao**; **Xiang, Jingzhong**; **Bao, Yudong**

Source: Mechanisms and Machine Science, v 77, p 1070-1081, 2020

Database:Compendex

Document type:Book chapter (CH)

116. Tolerant control strategy for inverter faults

Wang, Xu-Dong (Ministry of Education Engineering Research Center of Automotive Electronics Drive Control and System Integration, Harbin University of Science and Technology, Harbin; 150080, China); **Yang, Chuan-Jiang**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 11, p 37-47, November 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

测通 37 篇

1. Design of a six-gas NDIR gas sensor using an integrated optical gas chamber (Open Access)

Liu, Hehuan (Higher Educational Key Laboratory for Measuring and Control Technology, Instrumentations of Heilongjiang Province, School of Measurement-Control Technology and Communications Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shi, Yunbo**; **Wang, Tian**

Source: *Optics Express*, v 28, n 8, p 11451-11462, April 13, 2020

Database: Compendex

Document type:Journal article (JA)

2. Research on a Miniature Multiparameter Water Quality Sensor Chip and a System with a Temperature Compensation Function (Open Access)

Wang, Xin (Higher Educ. Key Lab. for Measuring and Contr. Technol. and Instrumentations of Heilongjiang Prov., School of Measurement-Control Tech and Communications Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Lining**; **Shi, Yunbo**

Source: *Journal of Sensors*, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

3. A high-beam-quality passively Q-switched 2 μm solid-state laser with a WSe₂ saturable absorber

Li, Linjun (The Higher Educational Key Laboratory for Measuring & Control Technology and Instrumentations of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Cui, Wenchao**; **Yang, Xining**; **Zhou, Long**; **Yang, Yuqiang**; **Xie, Wenqiang**; **Duan, Xiaoming**; **Shen, Yingjie**; **Han, Jing**

Source: *Optics and Laser Technology*, v 125, May 2020

Database:Compendex

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4.Passive mode-locking operation of a diode-pumped Tm:YAG laser with a MoS₂ saturable absorber

Li, Linjun (The Higher Educational Key Laboratory for Measuring & Control Technology and Instrumentations of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Long; Li, Tianxin; Yang, Xining; Xie, Wenqiang; Duan, Xiaoming; Shen, Yingjie; Yang, Yuqiang; Yang, Wenlong; Zhang, Han**

Source: *Optics and Laser Technology*, v 124, April 2020

Database:Compendex

Document type:Journal article (JA)

5.Temperature-Compensated pH Microelectrode Array Sensors Based on Copper-Oxide/Polyaniline Modification

Wang, Xin (Higher Educ. Key Lab. for Measuring and Contr. Technol. and Instrumentations of Heilongjiang Prov., College of Measurement-Control Tech and Communications Engineering, Harbin University of Science and Technology, Harbin, China); **Sun, Lining; Wang, Tian; Shi, Yunbo**

Source: *IEEE Sensors Journal*, v 20, n 24, p 14598-14606, December 15, 2020

Database:Compendex

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6.Urban area typical underlying surface temperature monitoring and estimation

Fang, Guozhi (The higher educational key laboratory for Measuring & Control Technology and Instrumentations of Heilongjiang province, Harbin University of Science and Technology, Harbin; 150080, China); **Luo, Yi; Xie, Wenqing; Liu, Hanlin; Shang, Chunxue**

Source: *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 41, n 9, p 161-168, September 2020

Language: Chinese

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Han, Chuang (Harbin University of Science Technology, School of Measurement and Communication Engineering, Harbin, China); **Qu, Liu**

Source: *Proceedings - 2020 13th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics, CISP-BMEI 2020*, p 71-75, October 17, 2020, *Proceedings - 2020 13th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics, CISP-BMEI 2020*

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Yang, Wenlong (School of Measurement and Communication Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Pan, Rui; Yu, Xiaoyang; Fan, Jianying; Xiong, Yanling; Wu, Mingze**

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Chen, Weilu (School of Measurement and Communication, Harbin University of Science and Technology, Harbin, China); **Hu, Jun; Wu, Zhihui; Yu, Xiaoyang; Chen, Dongyan**

Source: *International Journal of Systems Science*, v 51, n 8, p 1464-1481, June 10, 2020

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10. Research on High Reflective Imaging Technology Based on Compressed Sensing

Fan, Jianying (School of Measurement and Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Ma, Mingyang; Zhao, Shoubo**

Source: *Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology*, v 42, n 4, p 1013-1020, April 1, 2020 **Language:** Chinese

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11. The enhancement effect of surface charges on forward and backward scattering of submicron polydisperse particles

Zhang, Siqi (School of Measurement and Communication, Harbin University of Science & Technology, Harbin; 150080, China); **Zhou, Zhen; Qi, Jia; Guo, Kangkang; Niu, Chenchen; Na, Xiaotong; Yang, Xu**

Source: *Journal of Quantitative Spectroscopy and Radiative Transfer*, v 253, September 2020

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Zhao, Wen-Jie (Higher Educ. Key Lab. for Measuring and Contr. Technol. and Instrumentations of Heilongjiang Prov., Harbin University of Science and Technology, Harbin; 150080, China); **Ding, Kai-Lun; Chen, Yin-Sheng; Xie, Fang-Ying; Xu, Dan**

Source: *IEEE Sensors Journal*, v 20, n 18, p 10433-10443, September 15, 2020

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Chen, Bao-Yuan (Higher Educational Key Laboratory for Measuring and Control Technology, Instrumentation of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Shen, Yu-Kun; Sun, Kun**

Source: *Mathematical Problems in Engineering*, v 2020, 2020

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Xu, Jingbo (School of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, China); **Cui, Xiaomeng; Ma, Wenbo**

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Zhou, Zhen (School of Measurement and Communication, Harbin University of Science & Technology, Harbin; 150080, China); **Zhang, Siqi; Qi, Jia; Yang, Xu**

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Zhouab, Zhen (School of Measurement and Communication, Harbin University of Science and Technology, Harbin; 150080, China); **Zhanga, Siqi; Guoa, Kangkang; Naa, Xiaotong; Qia, Jia; Yanga, Xu**

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Database:Compendex

Document type:Conference article (CA)

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Na, Xiaotong (School of Measurement and Communication, Harbin University of Science and Technology, Harbin, China); **Zhou, Zhen; Wang, Chunyu; Qi, Jia**

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18. Optimization Algorithm of RGB-D SLAM Visual Odometry based on Triangulation

Dong, Jingwei (School of Measure Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Jiang, Yiming; Han, Zhiyu**

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Chen, Weilu (The Higher Educational Key Laboratory for Measuring & Control Technology and Instrumentations of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Hu, Jun; Yu, Xiaoyang; Chen, Dongyan; Du, Junhua**

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Sun, Yongquan (Institute of Sensor and Reliability Engineering, Harbin University of Science and Technology, Harbin, China); **Guo, Jiaying; Qi, Jia; Liu, Bo; Yu, Tianhua**

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Sun, Jiyu (School of Measurement-Control Technology and Communications Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Han, Yuhui**

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Wang, Li-Jie (School of Measurement-Control Technology and Communications Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Dai, Min; Liu, Zhi-Qiang; Zhou, Zhen**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 5, p 107-115, May 1, 2020 **Language:** Chinese

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Dai, Xiaoshuang (Heilongjiang Provincial Key Laboratory of Quantum Manipulation & Control, Harbin University of Science and Technology, Harbin, China); **Shen, Tao; Feng, Yue; Yang, Bin; Liu, Hongchen**

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Jiang, Yi (Department of Communications Engineering, Harbin University of Science and Technology, Xuefu 52, Harbin, China); **Song, Yaohui**

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Wu, Haibin (Higher Education Key Laboratory for Measuring and Control Technology and Instrumentations of Heilongjiang, Harbin University of Science and Technology, Harbin; 150080, China); **Cao, Mengqing; Wang, Aili; Wang, Minhui**

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Yin, Jinying (School of Measurement and Control Technology and Communication Engineering, Harbin University of Science and Technology, 52 Xuefu Road, Harbin; 150080, China); **Han, Jianguye; Qi, Caihui; Wang, Yan**

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Jiang, Kaiyuan (Higher Educ. Key Lab. for Measuring and Control Technology and Instrumentations of Heilongjiang, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Wenya; Wang, Aili; Wu, Haibin**

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Fan, Qi (The Higher Educational Key Laboratory for Measuring & Control Technology and Instrumentations of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Yu, Xiaoyang; Zhao, Yanqiao; Yu, Shuang**

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Wang, Yingli (School of Measurement and Communication, Harbin University of Science and Technology, Harbin; 150080, China); **Tao, Shuai; Hou, Xiaoxiao; Qi, Hong**

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33. 3D measurement of human chest and abdomen surface based on 3D fourier transform and time phase unwrapping (Open Access)

Wu, Haibin (The Higher Educational Key Laboratory for Measuring & Control Technology and Instrumentations of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Yu, Shuang; Yu, Xiaoyang**

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Wang, Tian (Higher Educational Key Laboratory for Measuring and Control Technology, Instrumentations of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Shi, Yunbo; Hardt, Wolfram; Feng, Qiaohua; Kang, Lingui**

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35.**LiDAR Data Classification Based on Improved Conditional Generative Adversarial Networks (Open Access)**

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Yan, Yixin (Electronic Measurement and Control Laboratory, School of Measurement Control and Communication Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shi, Wan; Zhang, Xiaobing**

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2. Application of MOFs-derived mixed metal oxides in energy storage

Wang, Yang (School of Science, Harbin University of Science and Technology, Harbin, China); **Li, Botao; Zhang, Bochao; Tian, Shiyi; Yang, Xu; Ye, Han; Xia, Zhijie; Zheng, Guoxu**

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3. Reverse Nearest Neighbor Query Based on New Index Structure

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5. Graphene-Based Integrated Planar On-Chip Micro-Supercapacitors with No Internal Connection

Liu, Fangshuo (School of Science, Harbin University of Science and Technology, Harbin, China); **Liu, Chunfeng; Li, Xiang; Zhang, Ludi; Zhao, Wenqiang; Zhang, Guangyu**

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He, Li-Juan (School of Science, Harbin University of Science and Technology, Harbin; 150080, China); **Ma, Yue; Yang, Xiong; Zeng, Jun-Ji; Chen, Chun-Tian**

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Zhao, Wenqiang (School of Science, Harbin University of Science and Technology, Harbin, China); **Liu, Fangshuo; Liu, Chunfeng; Li, Xiang; Zhang, Ludi; Zhang, Guangyu**

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Zhang, Lu-Di (School of Science, Harbin University of Science and Technology, Harbin, China); **Liu, Chun-Feng; Li, Xiang; Liu, Fang-Shuo; Zhao, Wen-Qiang; Zhang, Guang-Yu**

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Jiang, Jiuxing (School of Science, Harbin University of Science and Technology, Harbin, China); **Cui, Jifei; Fang, Ruiqian; Wu, Fengmin; Yang, Yuqiang**

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Li, Changxu (Department of Physics, School of Science, Harbin University of Science and Technology, Harbin; 150080, China); **Yang, Wenlong; Wang, Min; Yu, Xiaoyang; Fan, Jianying; Xiong, Yanling; Yang, Yuqiang; Li, Linjun**

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12. **Qualitative analysis of a class of SISM epidemic model influenced by media publicity** (*Open Access*)

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13. **Coordinating a supply chain with consumer returns in dynamic setting**
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14. **State Estimation for Discrete Neural Networks with False Data Injection Attacks under Weighted Try-Once-Discard Protocol**
Hou, Dianhong (Harbin University of Science and Technology, School of Science, Harbin; 150080, China); **Chen, Dongyan; Yang, Ning**
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15. **Finite-time Stability of Networked Predictive Control Systems with Uncertainties**
Zhao, Hairui (Harbin University of Science and Technology, School of Science, Harbin; 150080, China); **Chen, Dongyan**
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16. **Effect of the polarity of $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$ on the dielectric performance of the KTN/PVDF nanocomposites** (*Open Access*)
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17. **Robust adaptive sliding mode control for discrete singular systems with randomly occurring mixed time-delays under uncertain occurrence probabilities**
Hu, Jun (Department of Mathematics, Harbin University of Science and Technology, Harbin, China); **Cui, Yunfei; Lv, Chongyang; Chen, Dongyan; Zhang, Hongxu**
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18. **Set-membership filtering for a class of nonlinear complex networks with mixed time-delays and incomplete measurements** (*Open Access*)
Zhao, Liang (Department of Mathematics, Harbin University of Science and Technology, Harbin, China); **Cheng, Yubo; Chen, Dongyan; Yang, Yu**

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Shi, Yujing (Department of Applied Mathematics, Harbin University of Science and Technology, Harbin, China); **Dong, Bolei**

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Wang, Cui (Department of Mathematics, Harbin University of Science and Technology, Harbin; 150080, China); **Deng, Caixia; Yue, Xinhua; Zhang, Zhaoru**

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Yu, Jun (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Lifei; Deng, Liwei; Yu, Guangbin**

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Shi, Yu-Jing (Department of Applied Mathematics, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **Li, Qiang**

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Jia, Fengjiao (Department of Mathematics, Harbin University of Science and Technology, Harbin; 150080, China); **Hu, Jun; Feng, Lichao; Chen, Dongyan; Tan, Chong**

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Jin, Jiaxin (Department of Physics, School of Science, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Fengmin; Wang, Junjun; Zhang, Chunxiao; Lin, Weipeng; Liu, Danqing; Yang, Bin**

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Zhang, Panpan (Department of Mathematics, Harbin University of Science and Technology, Harbin; 150080, China); **Hu, Jun; Zhang, Hongxu; Chen, Dongyan**

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27. Effects of surface splicing characteristics of the hardened steel mold on the machined surface topography

Wu, Shi (The Key Lab of National Local United Engineering Laboratory of High Efficiency Cutting and Tools, Harbin University of Science and Technology, Harbin, China); **Li, Zhonghua; Liu, Xianli; Liu, Zhijing**

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Chen, Chuntian (School of Science, Harbin University of Science and Technology, Harbin, China); **Yu, Lu; Zhu, Jiachen; Tan, Changlong**

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Song, Shiyu (School of Science, Harbin University of Science and Technology, Harbin; 150080, China); **Hu, Jun; Chen, Dongyan; Chen, Weilu; Wu, Zhihui**

Source: *Circuits, Systems, and Signal Processing*, v 39, n 7, p 3445-3469, July 1, 2020

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Wu, Zhihui (Department of Mathematics, Harbin University of Science and Technology, Harbin, China); **Liu, Guo-Ping; Chen, Dongyan**

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Xu, Dan (Key Laboratory of Quantum Manipulation & Control of Heilongjiang Province, Harbin University of Science and Technology, Harbin; 150080, China); **Zhao, Wenjie; Cao, Wenping; Li, Weili; Fei, Weidong**

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Xu, Shenyang (Harbin University of Science and Technology, School of Science, Harbin; 150080, China); **Hu, Jun; Chen, Dongyan; Wu, Zhihui**

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Guan, Xinyu (Department of Mathematics, Harbin University of Science and Technology, Harbin, China); **Hu, Jun; Cui, Yunfei; Xu, Long**

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Hu, Zhibin (Department of Mathematics, Harbin University of Science and Technology, Harbin, China); **Hu, Jun; Yang, Guang**

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Wu, Han (Harbin University of Science and Technology, School of Science, Harbin; 150080, China); **Hu, Jun; Chen, Dongyan**

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Zhang, Chunxiao (School of Science, Harbin University of Science and Technology, Harbin, China); **Wu, Fengmin; Wang, Junjun; Lin, Weipeng; He, Xunjun; Yang, Bin**

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Wang, Yu (Department of Applied Science, Harbin University of Science and Technology, Harbin; 150001, China); **Yang, Wenlong; Liu, Xinmei; Lin, Jiaqi; Sun, Hongguo**

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Liu, Gang (College of Science, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Xiaoyi; Liu, Xinmei; Liu, Guang; Cui, Peng; Xu, Shichong; Zhang, Changhai; Liu, Miaomiao; Chen, Yunlong**

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Yang, Hao-Ran (Wang Da-Heng Center, Heilongjiang Provincial Key Laboratory of Quantum Manipulation and Control, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Hai-Jun; Gao, Wei; Rosales-Guzmán, Carmelo; Zhu, Zhi-Han**

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Hu, Jun (Department of Mathematics, Harbin University of Science and Technology, Harbin; 150080, China); **Yang, Yu; Liu, Hongjian; Chen, Dongyan; Du, Junhua**
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Li, Cai-Xia (Department of Physics, School of Sciences, Harbin University of Science and Technology, Harbin; 150080, China); **Hong, Yue-Nan; Yang, Bin; Zhang, Shan-Tao; Liu, Dan-Qing; Wang, Xi-Ming; Liu, Qian; Zhao, Lei; Cao, Wen-Wu**

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13. **A method for k nearest neighbor query of line segment in obstructed spaces**

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47. **Word sense disambiguation based on semi-supervised ensemble learning**

Zhang, Chunxiang (School of Software and Microelectronics, Harbin University of Science and Technology, Harbin; 150080, China); **Xiong, Jingzhao; Gao, Xueyao**

Source: Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University, v 41, n 8, p 1216-1222, August 5, 2020 **Language:** Chinese

Database:Compendex

48. **Simulation of Solidification Process of BGA Tin-Lead Solder ball Based on Cellular Automaton Method** ([Open Access](#))

Li, Xiang (School of Software and Microelectronics, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Gao, Tianming; Li, Shu; Guo, Shuhan; Li, Yang; Huo, Shixing; Wang, Hengrui; Li, Shuai; Zhang, Tao**

Source: Journal of Physics: Conference Series, v 1622, n 1, September 16, 2020, 6th Annual International Workshop on Materials Science and Engineering

Database:Compendex

Document type:Conference article (CA)

49. **Semi-markov CRF Model Based on Stacked Neural Bi-LSTM for Sequence Labeling**

Liu, Yupeng (School of Software, Harbin University of Science and Technology, Harbin, China); **Li, Guodong; Zhang, Xiaochen**

Source: Proceedings of 2020 IEEE 3rd International Conference of Safe Production and Informatization, IICSPI 2020, p 19-23, November 28, 2020, Proceedings of 2020 IEEE 3rd International Conference of Safe Production and Informatization, IICSPI 2020

Database:Compendex

Document type:Conference article (CA)

50. **The application of topological data analysis in practice and its effectiveness** ([Open Access](#))

Cheng, Liang (Department of Software and Microelectronics, Harbin University of Science and Technology, Harbin, Heilongjiang, China)

Source: *E3S Web of Conferences*, v 214, December 7, 2020, *2020 International Conference on Energy Big Data and Low-carbon Development Management, EBLDM 2020*

Database:Compendex

Document type:Conference article (CA)

51. The Realization Method of Network Class Condition Monitoring System Based on Machine Vision

Yua, Bo (Harbin University of Science and Technology, School of Software and Microelectronics, Harbin; 150080, China); **Shaoa, Wei**

Source: *Proceedings - 2020 International Conference on Information Science and Education, ICISE-IE 2020*, p 444-447, December 2020, *Proceedings - 2020 International Conference on Information Science and Education, ICISE-IE 2020*

Database:Compendex

Document type:Conference article (CA)

52. Design and implementation of high-speed scalar multiplier for multi-elliptic curve

Yu, Bin (School of Software and Microelectronics, Harbin University of Science and Technology, Harbin; 150080, China); **Huang, Hai; Liu, Zhiwei; Zhao, Shilei; Na, Ning**

Source: *Tongxin Xuebao/Journal on Communications*, v 41, n 12, p 100-109, December 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

53. Low noise interface ASIC of micro gyroscope with ball-disc rotor (Open Access)

Ren, Mingyuan (School of Software and Microelectronics, Harbin University of Science and Technology, Harbin; 150080, China); **Xu, Honghai; Han, Xiaowei; Dong, Changchun; Lu, Xuebin**

Source: *Sensors (Switzerland)*, v 20, n 4, February 2, 2020

Database:Compendex

Document type:Journal article (JA)

自动化 36 篇

1. Leader-following consensus problem of networked multi-agent systems under switching topologies and communication constraints

Tan, Chong (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Dong, Xuyang; Li, Yanjiang; Liu, Guo-Ping**

Source: *IET Control Theory and Applications*, v 14, n 20, p 3686-3696, December 27, 2020

Database:Compendex

Document type:Journal article (JA)

2. H_∞ observer-controller synthesis approach in low frequency for T-S fuzzy systems

Xie, Wen-Bo (College of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Han, Zhao-Kun; Wu, Fen; Zhu, Song**

Source: *IET Control Theory and Applications*, v 14, n 5, p 738-749, March 26, 2020

Database:Compendex

Document type:Journal article (JA)

3. Frame-GAN: Increasing the frame rate of gait videos with generative adversarial networks

Xue, Wei (School of Automation, Harbin University of Science and Technology, Harbin; 150001, China); **Ai, Hong; Sun, Tianyu; Song, Chunfeng; Huang, Yan; Wang, Liang**

Source: *Neurocomputing*, v 380, p 95-104, 7 March 2020

Database:Compendex

Document type:Journal article (JA)

4. Studies on changes in the temperature field and recrystallization properties of glass fiber reinforced polypropylene composite strip winding process

Xu, Jiazhong (School of Automation, Harbin University of Science and Technology, Harbin, China); **Fu, Tianyu; Hui, Zhao**

Source: *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 2020

Article in Press

Database:Compendex

Document type:Article in Press

5. Simulation of the thermo-optic coupling effect in mid-infrared doubling frequency of AgGaSe₂ crystal

Zhang, Wenchao (Department of Electronic Science and Technology, Harbin University of Science and Technology, Harbin, China); **Li, Changxu; Zhang, Chengyao; He, Xunjun**

Source: *Ferroelectrics*, v 562, n 1, p 58-65, July 3, 2020

Database:Compendex

6. Design and analysis of tension control system for transformer insulation layer winding (Open Access)

Huang, Haixiang (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Xu, Jiazhong; Sun, Kewei; Deng, Liwei; Huang, Cheng**

Source: *IEEE Access*, v 8, p 95068-95081, 2020

Database:Compendex

Document type:Journal article (JA)

7. Anti-windup reconfigurable control for dynamic positioning vessel with thruster faults

Li, Mingyang (Harbin University of Science and Technology, China); **Xie, Wenbo; Zhang, Jian**

Source: *Transactions of the Institute of Measurement and Control*, v 42, n 16, p 3216-3224, December 1, 2020

Database:Compendex

Document type:Journal article (JA)

8. Dynamic Output Feedback H_∞ Control for Linear Parameter-varying Systems with Time-delay

Huang, Jinjie (School of Automation and the School of Computer Science and Technology, Harbin University of Science and Technology, No. 52, Xuefu Road, Nangang District, Harbin, China); **Pan, Xiaozhen; Hao, Xianzhi; Putra, Wanda**

Source: *International Journal of Control, Automation and Systems*, v 18, n 12, p 3133-3145, December 2020

Database:Compendex

Document type:Journal article (JA)

9. Medical Image Enhancement Base on Fractional Differential Approach

Deng, Liwei (Harbin University of Science and Technology, School of Automation, Harbin; 150080, China); **Qi, Jingjing; Cheng, Yuxin; Hu, Jie**

Source: *Proceedings of the 32nd Chinese Control and Decision Conference, CCDC 2020*, p 956-960, August 2020, *Proceedings of the 32nd Chinese Control and Decision Conference, CCDC 2020*

Database:Compendex

Document type:Conference article (CA)

10. Asynchronous Switching Control of Discrete-time Linear System Based on Mode-dependent Average Dwell Time

Huang, Jinjie (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, Harbin University of Science and Technology, No. 52, Xuefu Road, Nangang District, Harbin, China); **Hao, Xianzhi; Pan, Xiaozhen**

Source: *International Journal of Control, Automation and Systems*, v 18, n 7, p 1705-1714, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

11. State Estimation of Hybrid Data-driven Control System via Zonotopic Bounding Set Computation

Shaotong, Zhang (Harbin University of Science and Technology, School of Automation, Harbin; 150080, China); **Yuhang, Li; Jiaqi, Liu**

Source: *Chinese Control Conference, CCC*, v 2020-July, p 140-145, July 2020, *Proceedings of the 39th Chinese Control Conference, CCC 2020*

Database:Compendex

Document type:Conference article (CA)

12. Impact of resonator's radius nonuniformity on hemispherical resonator gyro

Li, Wei (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Huang, Jinjie; Zhang, Rui**

Source: *International Journal of Performability Engineering*, v 16, n 9, p 1451-1459, September 2020

Database:Compendex

Document type:Journal article (JA)

13. **A New Fracture Image Segmentation Method Based on MSA-k Clustering Algorithm**

Deng, Liwei (Harbin University of Science and Technology, School of Automation, Harbin; 150080, China); **Wang, Xiaofei; Ai, Ling**

Source: *Chinese Control Conference, CCC*, v 2020-July, p 2125-2129, July 2020, *Proceedings of the 39th Chinese Control Conference, CCC 2020*

Database:Compendex

Document type:Conference article (CA)

14. **Super-Resolution Reconstruction of Finger Vein Image Based on Regression Tree Model**

Deng, Liwei (Harbin University of Science and Technology, School of Automation, Harbin; 150080, China); **Hu, Jie; Qi, Jingjing**

Source: *Proceedings of the 32nd Chinese Control and Decision Conference, CCDC 2020*, p 3796-3801, August 2020, *Proceedings of the 32nd Chinese Control and Decision Conference, CCDC 2020*

Database:Compendex

Document type:Conference article (CA)

15. **Weld defect detection of carbide saw blade based on reluctance measurement**

Wang, Hong-Min (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Meng**

Source: *Kongzhi yu Juece/Control and Decision*, v 35, n 9, p 2292-2298, September 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

16. **An On-line Data-driven Control Method for Nonlinear System on Deterministic Interval Hull Scheme**

Yuhang, Li (Harbin University of Science and Technology, School of Automation, Harbin; 150080, China); **He, Cao; Jiaqi, Liu**

Source: *Chinese Control Conference, CCC*, v 2020-July, p 94-99, July 2020, *Proceedings of the 39th Chinese Control Conference, CCC 2020*

Database:Compendex

Document type:Conference article (CA)

17. **Design of Collaborative Transportation System via Multiple Mobile Manipulators**

You, Bo (Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Si-Yuan; Zhang, Tian-Yong; Pang, Zhong-Hua; Li, Xiaohu**

Source: *Chinese Control Conference, CCC*, v 2020-July, p 4765-4770, July 2020, *Proceedings of the 39th Chinese Control Conference, CCC 2020*

Database:Compendex

Document type:Conference article (CA)

18. **Fault mode recognition of planetary gears based on CNN and transfer learning**

Tang, Jianguan (Harbin University of Science and Technology, School of Automation, Harbin; 150080, China); **Zou, Yingyong; Yu, Jun; Zhang, Yongde**

Source: *Chinese Control Conference, CCC*, v 2020-July, p 7235-7240, July 2020, *Proceedings of the 39th Chinese Control Conference, CCC 2020*

Database:Compendex

Document type:Conference article (CA)

19. **Stabilizing the one-sided Lipschitz system with time-varying delay based on an observer**

Huang, Ling (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Zhong, Bei-Bei**

Source: *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 24, n 10, p 144-152, October 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

20. **Error Correction Algorithm for Optical Measurement System Based on Radial Basis Function Network**

Xue, Ping (School of Automation, Harbin University of Science and Technology, Harbin; Heilongjiang; 150080, China); **He, Hai; Wang, Hongmin**

Source: *Guangxue Xuebao/Acta Optica Sinica*, v 40, n 2, February 10, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

21. **Zno composite graphene coating micro-fiber interferometer for ultraviolet detection** (*Open Access*)

Shen, Tao (Heilongjiang Provincial Key Laboratory of Quantum Manipulation & Control, Harbin University of Science and Technology, Harbin; 150080, China); **Dai, Xiaoshuang; Zhang, Daqing; Wang, Wenkang; Feng, Yue**

Source: *Sensors (Switzerland)*, v 20, n 5, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

22. **ZnO composite graphene as sensing coating for interferometric temperature sensor**

Shen, Tao (Heilongjiang Provincial Key Laboratory of Quantum Manipulation and Control, Harbin University of Science and Technology, Harbin; 150080, China); **Shen, Tao; Dai, Xiaoshuang; Dai, Xiaoshuang; Li, Bing; Li, Bing; Zhang, Daqing; Wang, Wenkang; Zhang, Yu; Shen, Bo; Feng, Yue; Feng, Yue**

Source: *Journal of Physics D: Applied Physics*, v 53, n 34, August 19, 2020

Database:Compendex

Document type:Journal article (JA)

23. **A Novel Vascular Robotic System: Performance Evaluation**

Wei, Si-Yi (Institute of Automation, Harbin University of Science and Technology, Harbin, China); **Sun, Xiao-Bo; Zhou, Xiao-Hu; Hou, Zeng-Guang**

Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), v 12533 LNCS, p 727-737, 2020, Neural Information Processing - 27th International Conference, ICONIP 2020, Proceedings

Database:Compendex

Document type:Conference article (CA)

24. Research on personalized recommendation hybrid algorithm for interactive experience equipment

Chen, Shuai (School of Automation, Harbin University of Science and Technology, Harbin, China); **Huang, Ling; Lei, Zhiwen; Wang, Shen**

Source: Computational Intelligence, v 36, n 3, p 1348-1373, August 1, 2020

Database:Compendex

Document type:Journal article (JA)

25. DeepProfile: Finding fake profile in online social network using dynamic CNN

Wanda, Putra (Harbin University of Science and Technology, Harbin City, China); **Jie, Huang Jin**

Source: Journal of Information Security and Applications, v 52, June 2020

Database:Compendex

Document type:Journal article (JA)

26. ZnO-nanorod-fiber UV sensor based on evanescent field principle

Feng, Yue (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Shen, Tao; Li, Xiaoxiao; Wei, Xinlao**

Source: Optik, v 202, February 2020

Database:Compendex

Document type:Journal article (JA)

27. Ultraviolet sensing characteristics of Ag-doped ZnO micro-nano fiber

Shen, Tao (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Jinpeng; Xia, Zhentao; Dai, Xiaoshuang; Li, Bing; Feng, Yue**

Source: Sensors and Actuators, A: Physical, v 307, 1 June 2020

Database:Compendex

Document type:Journal article (JA)

28. Simulation of picking up metal microcomponents based on electrochemistry (Open Access)

Li, Dongjie (Institute of Mechatronic Control and Automatic Technology, Harbin University of Science and Technology, Harbin; 150000, China); **Xu, Jiyong; Rong, Weibin; Yang, Liu**

Source: Micromachines, v 11, n 1, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

29. Control Strategy for the Pseudo-Driven Wheels of Multi-Wheeled Mobile Robots Based on Dissociation by Degrees-of-Freedom (Open Access)

Qi, Huanan (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **You, Bo; Ding, Liang; Lian, Wenhao; Yuan, Ye; Li, Jiayu; Gao, Haibo**

Source: IEEE Access, v 8, p 155477-155491, 2020

Database:Compendex

Document type:Journal article (JA)

30. Infrared pedestrian target tracking method based on video prediction

Liu, Enhan (Collage of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Rui; Zhao, Shuo; Wang, Ru**

Source: Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology, v 52, n 10, p 192-200, October 30, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

31. Finite-Time Control for Spacecraft Attitude Large-Angle Maneuver

Huang, Cheng (School of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Yan; Deng, Li-Wei**

Source: Yuhang Xuebao/Journal of Astronautics, v 41, n 8, p 1058-1066, August 30, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

32. Robust H_∞ control for one-sided Lipschitz non-linear systems with time-varying delays and uncertainties (Open Access)

Huang, Ling (College of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Lin, Xiaona; Zhong, Beibei; Xu, Donghao**

Source: IET Control Theory and Applications, v 14, n 15, p 2116-2126, October 15, 2020

Database:Compendex

Document type:Journal article (JA)

33. A Surface Plasmon Resonance Temperature Sensing Unit Based on a Graphene Oxide Composite Photonic Crystal Fiber (Open Access)

Liang, Han (Heilongjiang Provincial Key Laboratory of Quantum Manipulation and Control, Harbin University of Science and Technology, Harbin; 150080, China); **Shen, Tao; Feng, Yue; Xia, Zhentao; Liu, Hongchen**

Source: IEEE Photonics Journal, v 12, n 3, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

34. Layout method for aircraft on the flight deck of carrier using no-fit polygon

Luan, Tiantian (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, School of Automation, Harbin University of Science and Technology, Harbin, China); **Sun, Mingxiao**

Source: International Journal of Robotics and Automation, v 35, n 2, p 101-110, February 12, 2020

Database:Compendex

Document type:Journal article (JA)

35. Driving decision of manned hexapod robot

You, Bo (College of Automation, Harbin University of Science and Technology, Harbin; 150080, China); **Ding, Ning; Li, Jia-Yu; Ding, Liang**

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 24, n 8, p 150-158 and 166, August 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

36.First-principles investigation of the structure and electronic properties of graphene toward Li adsorption

Dai, Xiaoshuang (Heilongjiang Provincial Key Laboratory of Quantum Manipulation Control, Harbin University of Science and Technology, Harbin, China); **Shen, Tao; Feng, Yue; Yang, Bin; Liu, Hongchen**

Source: Molecular Simulation, v 46, n 18, p 1522-1529, 2020

Database:Compendex

Document type:Journal article (JA)

37.Realization of Sewage Treatment Control System based on Fieldbus

Wang, Beiyi (Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Xiaohong; Wu, Haibin**

Source: *International Journal of Performability Engineering*, v 16, n 3, p 375-382, March 2020

Database:Compendex

Document type:Journal article (JA)

材化 156 篇

1.Superbase Ionic Liquid-Based Deep Eutectic Solvents for Improving CO₂ Absorption

Yan, Hong (College of Chemical and Environmental Engineering Harbin, University of Science and Technology, No. 4, Linyuan Road, Harbin; 150040, China); **Zhao, Lei; Bai, Yinge; Li, Fangfang; Dong, Haifeng; Wang, Hui; Zhang, Xiangping; Zeng, Shaojuan**

Source: *ACS Sustainable Chemistry and Engineering*, v 8, n 6, p 2523-2530, February 17, 2020

Database:Compendex

Document type:Journal article (JA)

2.Effects of Copolymer Composition and Subphase pH/Temperature on the Interfacial Aggregation Behavior of Poly(2-(dimethylamino)ethyl methacrylate)-block-poly(lauryl methacrylate)

Chen, Hongxu (Department of Polymer Materials and Engineering, College of Material Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road, Harbin; 150040, China); **Wen, Gangyao; Chrysostomou, Varvara; Pispas, Stergios; Pan, Wenting; Zuo, Jintao; Li, Minglun; Li, Hongfei; Sun, Zhaoyan**

Source: *Journal of Physical Chemistry C*, v 124, n 8, p 4563-4570, February 27, 2020

Database:Compendex

Document type:Journal article (JA)

3.Rapid Production of Metal–Organic Frameworks Based Separators in Industrial-Level Efficiency (Open Access)

Gao, Guang-Kuo (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Yi-Rong; Zhu, Hong-Jing; Chen, Yifa; Yang, Ru-Xin; Jiang, Cheng; Ma, Huiyuan; Lan, Ya-Qian**

Source: *Advanced Science*, v 7, n 24, December 16, 2020

Database:Compendex

Document type:Journal article (JA)

4.A High-Capacity Negative Electrode for Asymmetric Supercapacitors Based on a PMo12 Coordination Polymer with Novel Water-Assisted Proton Channels

Wang, Guangning (Key Laboratory of Green Chemical Engineering and Technology, School of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Chen, Tingting; Gómez-García, Carlos J.; Zhang, Feng; Zhang, Mingyi; Ma, Huiyuan; Pang, Haijun; Wang, Xinming; Tan, Lichao**

Source: *Small*, v 16, n 29, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

5.Polyoxometalate-based metal-organic framework-derived bimetallic hybrid materials for upgraded electrochemical reduction of nitrogen

Wang, Xinming (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Feng, Zemin; Xiao, Boxin; Zhao, Jingxiang; Ma, Huiyuan; Tian, Yu; Pang, Haijun; Tan, Lichao**

Source: *Green Chemistry*, v 22, n 18, p 6157-6169, September 21, 2020

Database:Compendex

Document type:Journal article (JA)

6.Synthesis, characterization and properties of phthalonitrile-etherified resole resin (Open Access)

Zhang, Dayong (School of Material Science and Engineering, Department of Polymer Materials, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Xiaohui; Bai, Xuefeng; Zhang, Yinyin; Wang, Gang; Zhao, Ying; Li, Xin; Zhu, Jinhua; Rong, Liping; Mi, Changhong**

Source: *E-Polymers*, v 20, n 1, p 500-509, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

7.Mastering high ion conducting of room-temperature all-solid-state lithium-ion batteries via safe phthaloyl starch-poly(vinylidene fluoride)-based polymer electrolyte **Xie, Ming** (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Libo; Zhang, Yonghong; Du, Jintian; Li, You; Shan, Yuhang; Zheng, Huanyu**

Source: *Ionics*, v 26, n 3, p 1109-1117, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

8.Covalent-organic framework based Z-scheme heterostructured noble-metal-free photocatalysts for visible-light-driven hydrogen evolution

Zhang, Yang-Peng (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4, Linyuan Road, Harbin; 150040, China); **Tang, Hong-Liang; Dong, Hong; Gao, Meng-Yao; Li, Chang-Cheng; Sun, Xiao-Jun; Wei, Jin-Zhi; Qu, Yang; Li, Zhi-Jun;Zhang, Feng-Ming**

Source: *Journal of Materials Chemistry A*, v 8, n 8, p 4334-4340, February 28, 2020

Database:Compendex

Document type:Journal article (JA)

9.Reshaping of Rh nanoparticles in operando conditions

Yuan, Lina (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Xiaoyan; Zhu, Beien; Zhang, Guiling; Gao, Yi**

Source: *Catalysis Today*, v 350, p 184-191, 15 June 2020

Database:Compendex

Document type:Journal article (JA)

10.Recovery of uranium (VI) from aqueous solutions by the polyethyleneimine-functionalized reduced graphene oxide/molybdenum disulfide composition aerogels

Guo, Dongxuan (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Song, Xiumei; Zhang, Lulu; Chen, Weiwen; Chu, Daiwei; Tan, Lichao**

Source: *Journal of the Taiwan Institute of Chemical Engineers*, v 106, p 198-205, January 2020

Database:Compendex

Document type:Journal article (JA)

11.High performance simultaneous detection of β -nicotinamide adenine dinucleotide and L-tryptophan in human serum based on a novel nanocomposite of ferroferric oxide-functionalized polyoxometalates

Zhu, Di (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Bai, Zhenyuan;Ma, Huiyuan; Tan, Lichao; Pang, Haijun; Wang, Xinming**

Source: *Sensors and Actuators, B: Chemical*, v 309, 15 April 2020

Database:Compendex

Document type:Journal article (JA)

12.Output Regulation for a Class of Uncertain Nonlinear Time-delay Systems by Output Feedback Control

Meng, Gui-Zhi (Gui-Zhi Meng is with the Department of Applied Mathematics, Harbin University of Science and Technology, Harbin; 150080, China); **Ma, Ke-Mao**

Source: *International Journal of Control, Automation and Systems*, v 18, n 4, p 867-876, April 1, 2020

Database:Compendex

Document type:Journal article (JA)

13.**Transport and photoelectric properties of vertical black phosphorus heterojunctions**

Sun, Cuicui (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Yuxiu; Yang, Zhao-Di; Shang, Yan; Zhang, Guiling;Hu, Yangyang**

Source: *New Journal of Chemistry*, v 44, n 25, p 10507-10518, July 7, 2020

Database:Compendex

Document type:Journal article (JA)

14.**A novel dual-tasking hollow cube NiFe₂O₄-NiCo-LDH@rGO hierarchical material for high performance supercapacitor and glucose sensor**

Chu, Dawei (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Fengbo;Song, Xiumei; Ma, Huiyuan; Tan, Lichao; Pang, Haijun; Wang, Xinming; Guo, Dongxuan; Xiao, Boxin**

Source: *Journal of Colloid and Interface Science*, v 568, p 130-138, 15 May 2020

Database:Compendex

Document type:Journal article (JA)

15.**Three-dimensional TiNb₂O₇ anchored on carbon nanofiber core-shell arrays as an anode for high-rate lithium ion storage** (*Open Access*)

Qi, Meili (Key Laboratory of Engineering Dielectric and Applications, Ministry of Education, School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Chao, Dongliang; Sun, Weifeng; Yin, Jinghua; Chen, Minghua**

Source: *RSC Advances*, v 10, n 11, p 6342-6350, 2020

Database:Compendex

Document type:Journal article (JA)

16.**Facile synthesis of a covalently connected rGO-COF hybrid material by: In situ reaction for enhanced visible-light induced photocatalytic H₂ evolution**

Yao, Yu-Hao (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4, Linyuan Road, Harbin; 150040, China); **Li, Jing; Zhang, Hao; Tang, Hong-Liang; Fang, Liang; Niu, Gu-Dan; Sun, Xiao-Jun; Zhang, Feng-Ming**

Source: *Journal of Materials Chemistry A*, v 8, n 18, p 8949-8956, May 14, 2020

Database:Compendex

Document type:Journal article (JA)

17. Development of MOF-based heterostructures for photocatalytic hydrogen evolution

Tang, Hong-Liang (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4 Linyuan Road, Harbin; 150040, China); **Sun, Xiao-Jun; Zhang, Feng-Ming**

Source: *Dalton Transactions*, v 49, n 35, p 12136-12144, September 21, 2020

Database:Compendex

Document type:Journal article (JA)

18. 3D Hollow Flower-like CoWO₄ Derived from ZIF-67 Grown on Ni-foam for High-Performance Asymmetrical Supercapacitors

Chu, Dawei (School of Materials Science and Engineering College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Guo, Dongxuan; Xiao, Boxin; Tan, Lichao; Ma, Huiyuan; Pang, Haijun; Wang, Xinming; Jiang, Yanxia**

Source: *Chemistry - An Asian Journal*, v 15, n 11, p 1750-1755, June 2, 2020

Database:Compendex

Document type:Journal article (JA)

19. Microwave-assisted Acid-catalyzed Hydrolysis of Hemicelluloses in Rice Husk into Xylose (Open Access)

Zhang, Mingyu (Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Ya; Hui, K.S.; Liu, Lizhu; Zhang, Chunqi**

Source: *IOP Conference Series: Earth and Environmental Science*, v 513, n 1, July 7, 2020, *2020 International Conference on Petrochemical Engineering and Green Development*

Database:Compendex

Document type:Conference article (CA)

20. Effect of surface functionalization of molybdenum disulfide nanosheets with polysulfone on cyanate ester nanocomposites

Zhao, Ming (School of Materials Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road, Harbin; Heilongjiang; 150040, China); **Liu, Lizhu; Zhang, Bin; Sun, Mingming; Zhang, Xugang; Zhang, Xue; Li, Jianhui; Wang, Lei**

Source: *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, v 589, 20 February 2020

Database:Compendex

Document type:Journal article (JA)

21. Hierarchical flower-like zinc oxide nanosheets in-situ growth on three-dimensional ferrocene-functionalized graphene framework for sensitive determination of epinephrine and its oxidation derivative

Zhu, Di (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Ma, Huiyuan; Zhen, Qingfang; Xin, Jianjiao; Tan, Lichao; Zhang, Chunjing; Wang, Xinming; Xiao, Boxin**

Source: *Applied Surface Science*, v 526, 1 October 2020

Database: Compendex

Document type: Journal article (JA)

22. Study on thermal degradation and kinetic of microencapsulated red phosphorus (Mrp)/high density polyethylene (hdpe) composite

Li, Jia (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Hui; Li, Zhonghan; Zhao, Tingting; Wang, Tiantian; Wang, Ruining; Cao, Bowei; Zhang, Xuliang; Zheng, Wei; Li, Libo**

Source: *Key Engineering Materials*, v 842 KEM, p 98-104, 2020, *New Material and Chemical Industry*

Database: Compendex

Document type: Conference article (CA)

23. Electrochemical ascorbic acid sensor of composite film based on Keggin-type Vanadium-substituted Polyoxometalates decorated with graphene and Ru(bpy)₃²⁺

Guo, Dongxuan (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4 Linyuan Road, Xiangfang District, Harbin; 150040, China); **Zhou, Chunlei; Tan, Lichao; Ma, Huiyuan; He, Ranran; Pang, Haijun; Wang, Xinming**

Source: *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, v 592, 5 May 2020

Database: Compendex

Document type: Journal article (JA)

24. Preparation and Electrical Properties of Polypropylene Grafted 4-Acetoxystyrene

Zhang, Wenlong (College of Material Science & Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Hu, Deshuai; Li, Chunyu; Ma, Yingyi; Dai, Yajie**

Source: *Gaofenzi Cailiao Kexue Yu Gongcheng/Polymeric Materials Science and Engineering*, v 36, n 9, p 81-87, September 2020 **Language:** Chinese

Database: Compendex

Document type: Journal article (JA)

25. A free-standing and flexible phosphorus/nitrogen dual-doped three-dimensional reticular porous carbon frameworks encapsulated cobalt phosphide with superior performance for nitrite detection in drinking water and sausage samples

Zhu, Di (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhen, Qingfang; Xin, Jianjiao; Ma, Huiyuan; Tan, Lichao; Pang, Haijun; Wang, Xinming**

Source: *Sensors and Actuators, B: Chemical*, v 321, 15 October 2020

Database: Compendex

Document type: Journal article (JA)

26. Mechanical properties of SiCp/SiC composite lattice core sandwich panels fabricated by 3D printing combined with precursor impregnation and pyrolysis

Zhang, Kun (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zeng, Tao; Xu, Guodong; Cheng, Su; Yu, Siwen**

Source: *Composite Structures*, v 240, 15 May 2020

Database: Compendex

Document type: Journal article (JA)

27. Effect of Pulse Current on Bending Springback of Nanocrystalline Ni Foil

Li, Chao (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang; 150040, China); **Yun, Tenghui; Xu, Jie; Li, Feng; Huai, Bao**

Source: *Journal of Materials Engineering and Performance*, v 29, n 4, p 2368-2373, April 1, 2020

Database: Compendex

Document type: Journal article (JA)

28. A High-Capacity Negative Electrode for Asymmetric Supercapacitors Based on a PMo12 Coordination Polymer with Novel Water-Assisted Proton Channels

Wang, Guangning (Key Laboratory of Green Chemical Engineering and Technology, School of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Chen, Tingting; Gómez-García, Carlos J.; Zhang, Feng; Zhang, Mingyi; Ma, Huiyuan; Pang, Haijun; Wang, Xinming; Tan, Lichao**

Source: *Small*, v 16, n 29, July 1, 2020

Database: Chimica

Document type: Journal article (JA)

29. Surface Micelle Structures and Monolayer Compression Moduli of Double Hydrophilic Block Copolymer

Pan, Wenting (Department of Polymer Materials and Engineering, College of Material Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road,

Harbin; 150040, China); **Chen, Hongxu; Wen, Gangyao; Giaouzi, Despoina; Pispas, Stergios; Zuo, Jintao**

Source: *Journal of Physical Chemistry C*, v 124, n 31, p 17150-17157, August 6, 2020

Database: Compendex

Document type: Journal article (JA)

30. Polyoxoanion and secondary ligand spacer control of silver aggregates in Ag-imidazole-polyoxotungstate hybrids: From {Ag₂} and {Ag₄} clusters to infinite {Ag_∞} chains

Yu, Yan (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Xin, Jianjiao; Wang, Xinming; Zhao, Chunyan; Ma, Huiyuan; Pang, Haijun; Yu, Jia; Zhang, Li; Li, Shaobin**

Source: *Solid State Sciences*, v 99, January 2020

Database: Compendex

Document type: Journal article (JA)

31. Grain structure evolution in transition-mode melting in direct energy deposition (Open Access)

Liu, Dong-Rong (School of Materials Science and Engineering, Harbin University of Science and Technology, No.4 Lin Yuan Road, Harbin; 150040, China); **Wang, Shuhao; Yan, Wentao**

Source: *Materials and Design*, v 194, September 2020

Database: Compendex

Document type: Journal article (JA)

32. Theoretical study on the hydrogen addition reactions to bismaleimide in the ultra-violet radiation cross-linking process of polyethylene

Zhang, Hui (Key Laboratory of Engineering Dielectrics and Its Application of Ministry of Education & School of Material Science & Engineering, Harbin University of Science and Technology, Harbin; 150080, China);

1,000. Deng, Chi; Shang, Yan; Zhao, Hong; Wang, Xuan; Han, Baozhong; Li, Zesheng

Source: *Journal of Molecular Graphics and Modelling*, v 100, November 2020

Database: Compendex

Document type: Journal article (JA)

33. Mechanical and Dielectric Properties of Elastomer/Polypropylene and Plastomer/Polypropylene Composites

Zhao, Hong (Key Lab of Engineering Dielectrics and Their Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Yuan, Xin; Yang, Jiaming; Zhao, Xindong; Shi, Qingduo; He, Lechun; Yang, Xu**

Source: Gaofenzi Cailiao Kexue Yu Gongcheng/Polymeric Materials Science and Engineering, v 36, n 10, p 44-50, October 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

34.Effect of the matrix structure on vermicular graphite cast iron properties

Zhang, Yu (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Guo, Erjun; Wang, Liping; Zhao, Sicong; Li, Yan; Li, Yanchun; Feng, Yicheng; Song, Meihui**

Source: International Journal of Materials Research, v 111, n 5, p 379-384, May 2020

Database:Compendex

Document type:Journal article (JA)

35.Effect of Ni Addition in Sn0.7Ag0.5Cu on Interfacial Reaction and IMC Growth of Cu and Graphene-coated Cu Substrates

Cai, Hongming (Harbin University of Science and Technology, School of Materials Science and Engineering, Harbin; 150040, China); **Liu, Yang; Zhang, Hao; Li, Shengli; Sun, Fenglian; Zhang, Guoqi**

Source: Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering, v 49, n 1, p 27-33, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

36.Directiona hierarchical porous Cu prepared by one-step etching 3D printed Fe-Cu alloy with two-stage phase separation structure

Zhao, Ling (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang; 150040, China); **Yu, Yandong; Chen, Tianxiong; Hu, Liwei; Li, Jinfeng; Le, Guomin; Qu, Fengsheng; Wang, Xiaoying; Li, Chao; Dong, Wumei; Liu, Xue**

Source: Vacuum, v 174, April 2020

Database:Chimica

Document type:Journal article (JA)

37.Preparation and electrical properties of 4-acetoxystyrene grafted polypropylene for HVDC cable insulation

Liang, Yue (College of Material Science & Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Lizhu; Zhang, Wenlong; Weng, Ling; Hu, Deshuai; Li, Chunyu**

Source: Journal of Materials Science: Materials in Electronics, v 31, n 5, p 3890-3898, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

38.Investigation of elevated temperature mechanical properties of intermetallic compounds in the Cu-Sn system using nanoindentation

Yin, Zuozhu (School of Material Science and Engineering, Harbin University of Science and Technology, 4# Linyuan Road, Harbin; 150040, China); **Sun, Fenglian; Guo, Mengjiao**

Source: Journal of Electronic Packaging, Transactions of the ASME, v 142, n 2, June 2020

Database:Compendex

Document type:Journal article (JA)

39. Continuous and Rapid Synthesis of UiO-67 by Electrochemical Methods for the Electrochemical Detection of Hydroquinone

Zhang, Ting (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wei, Jin-Zhi; Sun, Xiao-Jun; Zhao, Xue-Jing; Tang, Hong-Liang; Yan, Han; Zhang, Feng-Ming**

Source: Inorganic Chemistry, v 59, n 13, p 8827-8835, July 6, 2020

Database:Chimica

Document type:Journal article (JA)

40. Characterization and Dielectric Properties of Bismaleimide Modified by SiO₂-Coated Graphene Composites

Chen, Yufei (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Yunzhong; Dai, Guoqing; Li, Zhiguo; Ma, Chengguo; Cui, Weiwei**

Source: Journal of Electronic Materials, v 49, n 3, p 1889-1895, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

41. Preparation of PI porous fiber membrane for recovering oil-paper insulation structure

Zhang, Xiaorui (School of Materials Science and Engineering, Harbin University of Science and Technology, 4 LinYuan Road, P.O. Box 317, Harbin; 150040, China); **Sun, Xue; Lv, Tong; Weng, Ling; Chi, Minghe; Shi, Jiahao; Zhang, Siqi**

Source: Journal of Materials Science: Materials in Electronics, v 31, n 16, p 13344-13351, August 1, 2020

Database:Compendex

Document type:Journal article (JA)

42. Thermal shock resistance of porous ZrB₂-SiC ceramic after oxidation

Jin, Xinxin (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Chen, Le; Dong, Limin; Zhou, Peng; Xu, Huanyan; Jin, Liguo; Liu, Lizhu; Ma, Baoxia; Xu, Baosheng**

Source: Advances in Applied Ceramics, v 119, n 1, p 15-21, January 2, 2020

Database:Compendex

Document type:Journal article (JA)

43. Enhanced effect of OMMT and KH-Al₂O₃ on polyurethane composite mechanical properties

Chen, Yufei (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Yulong; Yue, Chunyan; Teng, Chengjun; Chen, Simin**

Source: Journal of Polymer Research, v 27, n 9, September 1, 2020

Database:Compendex

Document type:Journal article (JA)

44. Block polypropylene/styrene-ethylene-butylene-styrene tri-block copolymer blends for recyclable HVDC cable insulation (Open Access)

Liang, Yue (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Weng, Ling; Zhang, Wenlong; Li, Chunyu**

Source: Materials Research Express, v 7, n 8, August 2020

Database:Compendex

Document type:Journal article (JA)

45. Rapid synthesis of UiO-66 by means of electrochemical cathode method with electrochemical detection of 2,4,6-TCP

Zhang, Ting (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wei, Jin-Zhi; Sun, Xiao-Jun; Zhao, Xue-Jing; Tang, Hong-liang; Yan, Han; Zhang, Feng-Ming**

Source: Inorganic Chemistry Communications, v 111, January 2020

Database:Chimica

Document type:Journal article (JA)

46. Locally connected nano-micro two-dimensional fillers in nanocomposites for advanced thermal management

Li, Jialong (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Yin, Jinghua; Liu, Xiaoxu; Zhao, He; Li, Yanpeng; Zhu, Congcong; Yue, Dong; Wang, Jimin; Feng, Yu; Su, Bo**

Source: Composites Part A: Applied Science and Manufacturing, v 128, January 2020

Database:Compendex

Document type:Journal article (JA)

47. Effect of 2-D BN on enhanced corona-resistant characteristic of PI/AlN+BN composite investigated by quasi-in-situ technology (Open Access)

Zhao, He (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Yin, Jinghua; Liu, Xiaoxu; Feng, Yu; Liu, Yuanyuan; Li, Jialong; Li, Yanpeng; Yue, Dong; Zhu, Congcong**

Source: Polymer Testing, v 84, April 2020

Database:Compendex

Document type:Journal article (JA)

48. Research status on application of modified adsorbents in phosphorus removal from wastewater

Cui, Wanying (School of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; Heilongjiang; 150040, China); **Ai, Hengyu; Zhang, Shihao; Wei, Jinzhi**

Source: Huagong Jinzhan/Chemical Industry and Engineering Progress, v 39, n 10, p 4210-4226, October 5, 2020 Language: Chinese

Database:Compendex

Document type:Journal article (JA)

49.Numerical modeling of grain refinement during solidification of Mg-4Y-3Nd (wt.%) alloy via mesh-anisotropy reduction algorithm

Pu, Zhenpeng (School of Materials Science and Engineering, Harbin University of Science and Technology, No. 4 Lin Yuan Road, Harbin; 150040, China); **Wang, Lei; Liu, Dong-Rong**

Source: Materials Today Communications, v 25, December 2020

Database:Compendex

Document type:Journal article (JA)

50.The effect of Ag@SiO₂ core-shell nanoparticles on the dielectric properties of PVDF based nanocomposites

Weng, Ling (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin, P. R., China); **Wang, Xiaoming; Zhang, Xiaorui; Guan, Lizhu; Liu, Lizhu; Zhang, Hexin; Cui, Weiwei**

Source: Polymer Composites, v 41, n 6, p 2245-2253, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

51.Prediction mechanical strength of sand mold samples fabricated by three-dimensional printing

Gao, Guili (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhang, Weikun; Du, Zhimin; Liu, Qingyi; Su, Yanqing; Shi, Dequan**

Source: Materials Transactions, v 61, n 8, p 1620-1628, August 1, 2020

Database:Compendex

Document type:Journal article (JA)

52.Free dendritic growth model for binary alloy based on microscopic solvability theory and nonisothermal nature caused by anisotropy and curved interface

Liu, Shucheng (Department of Optoelectronic Information Science, School of Materials Science and Engineering, Harbin Institute of Technology, Harbin; 150001, China); **Liu, Lihua; Li, Shu; Wang, Jinzhong**

Source: Journal of Crystal Growth, v 534, 15 March 2020

Database:Compendex

Document type:Journal article (JA)

53.Graphene@poly(dopamine)-Ag core-shell nanoplatelets as fillers to enhance the dielectric performance of polymer composites

Zhu, Pingwei (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Weng, Ling; Zhang, Xiaorui; Wang, Xiaoming; Guan, Lizhu; Liu, Lizhu**

Source: Journal of Materials Science, v 55, n 18, p 7665-7679, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

54.Tuning magnetism and transport property of planar and wrinkled FePP@GNR hybrid materials (Open Access)

Wang, Yuxiu (School of Materials Science and Engineering, Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Jiang, Yingjie; Gao, Shengnan; Yu, Hong; Zhang, Guiling; Zhang, Fengming**

Source: AIP Advances, v 10, n 4, April 1, 2020

Database:Compendex

Document type:Journal article (JA)

55.Effect of near-liquidus squeeze casting temperature on microstructure and mechanical property of AZ91D alloy differential support

Zhao, Chunfang (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Xu, Hongyu; Ji, Zesheng; Liu, Wei; Hu, Maoliang; Jiang, Bo**

Source: Materials Letters, v 270, 1 July 2020

Database:Chimica

Document type:Journal article (JA)

56.Properties of high-temperature epoxy/DDS resin systems for bonding application

Zhou, Haoran (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Fan, Xupeng; Liu, Changwei; Qu, Chunyan; Yuan, Zhen; Jing, Jiaqi; Tang, Yao; Zhao, Daoxiang; Xiao, Wanbao; Su, Kai**

Source: High Performance Polymers, v 32, n 5, p 559-568, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

57.Simultaneous electrochemical determination of dopamine and uric acid based on MoS₂nanoflowers-graphene/ITO electrode

Guo, Xinrui (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Yue, Hongyan; Song, Shanshan; Huang, Shuo; Gao, Xin; Chen, Hongtao; Wu, Pengfei; Zhang, Teng; Wang, Zengze**

Source: Microchemical Journal, v 154, May 2020

Database:Chimica

Document type:Journal article (JA)

58.Numerical investigation of grain refinement of magnesium alloys: Effects of cooling rate

Liu, Dong-Rong (School of Materials Science and Engineering, Harbin University of Science and Technology, No.4 Lin Yuan Road, Harbin; 150040, China); **Zhao, Hongchen; Wang, Lei**

Source: Journal of Physics and Chemistry of Solids, v 144, September 2020

Database:Compendex

Document type:Journal article (JA)

59.A sensitive method to determine dopamine in the presence of uric acid based on In₂O₃ nanosheet arrays grown on 3D graphene

Guo, Xinrui (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Yue, Hongyan; Huang, Shuo; Gao, Xin; Chen, Hongtao; Wu, Pengfei; Zhang, Teng; Wang, Zengze**
Source: Microchimica Acta, v 187, n 4, April 1, 2020

Database:Chimica

Document type:Journal article (JA)

60. Rational regulation of transition metals in polyoxometalate hybrids without noble metal assistance for efficient light-driven H₂ production

Li, Bonan (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Yu, Xiaojing; Pang, Haijun; Shen, Qingbo; Hou, Yan; Ma, Huiyuan; Xin, Jianjiao**

Source: Chemical Communications, v 56, n 52, p 7199-7202, July 4, 2020

Database:Compendex

Document type:Journal article (JA)

61. The effect of CuS counter electrode microtopography on the properties of quantum dot sensitized solar cells

Zheng, Wei (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhang, Shuyi**

Source: Inorganic Chemistry Communications, v 122, December 2020

Database:Chimica

Document type:Journal article (JA)

62. Enhanced Transmittance and Photoelectrochemical 2D Nanostructured N-Type Semiconductor ZnS Thin Film Prepared by One-Step Electrodeposition in a Non-Vacuum-Processed CIGS Cell

Li, Libo (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhai, Mo; Long, Canghai; Wang, Wentao**

Source: Journal of Electronic Materials, v 49, n 4, p 2539-2546, April 1, 2020

Database:Chimica

Document type:Journal article (JA)

63. Rational combination of covalent-organic framework and nano TiO₂ by covalent bonds to realize dramatically enhanced photocatalytic activity

Li, Chang-Cheng (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Gao, Meng-Yao; Sun, Xiao-Jun; Tang, Hong-Liang; Dong, Hong; Zhang, Feng-Ming**

Source: Applied Catalysis B: Environmental, v 266, 5 June 2020

Database:Chimica

Document type:Journal article (JA)

64. Microstructure and dielectric properties of bismaleimide composite synergistically modified by graphene oxide and polyetheretherketone

Chen, Yufei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Tian, Qiyuan; Dong, Lei; Guo, Hongyuan; Teng, Chengjun; Liu, Zhenda; Lv, Sicheng; Zhu, Li**

Source: Journal of Materials Science: Materials in Electronics, v 31, n 7, p 5368-5375, April 1, 2020

Database:Compendex

Document type:Journal article (JA)

65.Enhanced dielectric and mechanical properties of epoxy-cyanate ester resin by Al₂O₃ and OMMT (Open Access)

Li, Zhiguo (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Chen, Yufei; Liu, Yulong; Teng, Chengjun; Chen, Simin; Cui, Weiwei**

Source: Journal of Materials Science: Materials in Electronics, v 31, n 11, p 8536-8545, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

66.Reaction kinetics and mechanical properties of Al₂O₃/epoxy-cyanate ester composites

Chen, Yufei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Zhiguo; Liu, Yulong; Teng, Chengjun; Cui, Weiwei**

Source: Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica, v 37, n 4, p 749-757, April 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

67.Transport and photoelectric properties of vertical black phosphorus heterojunctions

Sun, Cuicui (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Yuxiu; Yang, Zhao-Di; Shang, Yan; Zhang, Guiling; Hu, Yangyang**

Source: New Journal of Chemistry, v 44, n 25, p 10507-10518, July 7, 2020

Database:Chimica

Document type:Journal article (JA)

68.Recognition at chiral interfaces: From molecules to cells

Ma, Yingyi (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Shi, Lei; Yue, Hongyan; Gao, Xin**

Source: Colloids and Surfaces B: Biointerfaces, v 195, November 2020

Database:Compendex

Document type:Journal article (JA)

69.Characterization and properties of SiO₂-coated graphene/bismaleimide composites

Chen, Yufei (Key Laboratory of Engineering Dielectrics and its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Yunzhong; Dai, Guoqing; Li, Zhiguo; Teng, Chengjun; Cui, Weiwei**
Source: Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica, v 37, n 5, p 1015-1023, May 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

70.High performance simultaneous detection of β -nicotinamide adenine dinucleotide and L-tryptophan in human serum based on a novel nanocomposite of ferroferric oxide-functionalized polyoxometalates

Zhu, Di (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Bai, Zhenyuan; Ma, Huiyuan; Tan, Lichao; Pang, Haijun; Wang, Xinming**

Source: Sensors and Actuators, B: Chemical, v 309, 15 April 2020

Database:Chimica

Document type:Journal article (JA)

71.Phosphorene: a Potential 2D Material for Highly Efficient Polysulfide Trapping and Conversion

Pei, Zhibin (Key Laboratory of Engineering Dielectric and Applications, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Liu, Yun; Sun, Da; Zhu, Zixuan; Wang, Gongming**

Source: Chemical Research in Chinese Universities, v 36, n 4, p 631-639, August 1, 2020

Database:Chimica

Document type:Journal article (JA)

72.Curing Mechanism and Mechanical Properties of Al₂O₃/Cyanate Ester-Epoxy Composites

Chen, Yufei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Zhiguo; Liu, Yulong; Teng, Chengjun; Cui, Weiwei**

Source: Journal of Electronic Materials, v 49, n 2, p 1473-1481, February 1, 2020

Database:Compendex

Document type:Journal article (JA)

73.Regulation of metal ions in smart metal-cluster nodes of metal-organic frameworks with open metal sites for improved photocatalytic CO₂ reduction reaction

Dong, Hong (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhang, Xin; Lu, Yang; Yang, Yan; Zhang, Yang-Peng; Tang, Hong-Liang; Zhang, Feng-Ming; Yang, Zhao-Di; Sun, Xiaojun; Feng, Yujie**

Source: Applied Catalysis B: Environmental, v 276, 5 November 2020

Database:Chimica

Document type:Journal article (JA)

74. Microstructures and properties of bismaleimide matrix composites modified by Al₂O₃ and two kinds of thermal plastic resin

Chen, Yufei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Dai, Guoqing; Tian,**

Qiyuan; Dong, Lei; Cui, Weiwei; Teng, Chengjun

Source: Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica, v 37, n 6, p 1260-1267, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

75. Boosting visible-light hydrogen evolution of covalent-organic frameworks by introducing Ni-based noble metal-free co-catalyst

Dong, Hong (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin;

150040, China); **Meng, Xiang-Bin; Zhang, Xin; Tang, Hong-Liang; Liu,**

Jun-Wang; Wang, Jian-Hui; Wei, Jin-Zhi; Zhang, Feng-Ming; Bai, Lin-Lu; Sun, Xiao-Jun

Source: Chemical Engineering Journal, v 379, 1 January 2020

Database:Compendex

Document type:Journal article (JA)

76. Preparation of flower globular Se/MoSe₂ and its adsorption properties of organic dyes

Qi, Shuyan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zhao, Yadong; Ma,**

Ninglong; Xu, Huanyan; Liu, Zhihai

Source: Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University, v 41, n 5, p 747-752, May 5, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

77. Highly dispersive bimetallic sulfides afforded by crystalline polyoxometalate-based coordination polymer precursors for efficient hydrogen evolution reaction

Hou, Yan (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin;

150040, China); **Pang, Haijun; Zhang, Li; Li, Bonan; Xin, Jianjiao; Li,**

Kunqi; Ma, Huiyuan; Wang, Xinming; Tan, Lichao

Source: Journal of Power Sources, v 446, 15 January 2020

Database:Compendex

Document type:Journal article (JA)

78. High-performance supercapacitors based on polyaniline nanowire arrays grown on three-dimensional graphene with small pore sizes

Zhang, Teng (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Yue, Hongyan; Gao, Xin; Yao,**

Fei; Chen, Hongtao; Lu, Xinxin; Wang, Yuanbo; Guo, Xinrui

Source: Dalton Transactions, v 49, n 10, p 3304-3311, March 14, 2020

Database:Chimica

Document type:Journal article (JA)

79.3D Hollow Flower-like CoWO₄ Derived from ZIF-67 Grown on Ni-foam for High-Performance Asymmetrical Supercapacitors

Chu, Dawei (School of Materials Science and Engineering College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Guo, Dongxuan; Xiao, Boxin; Tan, Lichao; Ma, Huiyuan; Pang, Haijun; Wang, Xinming; Jiang, Yanxia**

Source: Chemistry - An Asian Journal, v 15, n 11, p 1750-1755, June 2, 2020

Database:Chimica

Document type:Journal article (JA)

80. Conductance current and space charge characteristics of SiO₂/MMT/LDPE micro-nano composites (Open Access)

Jiang, Hongtao (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Xiaohong; Gao, Junguo; Guo, Ning**

Source: Materials, v 13, n 18, September 2020

Database:Compendex

Document type:Journal article (JA)

81. Process modification and properties analysis of bismaleimide

Zhou, Haoran (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Jing, Jiaqi; Wang, Dezhi; Fan, Xupeng; Yuan, Zhen; Zhao, Liwei**

Source: Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica, v 37, n 6, p 1278-1284, June 1, 2020 Language: Chinese

Database:Compendex

Document type:Journal article (JA)

82. The effects of indium addition on mechanical properties and shape memory behavior of Ti-Ta-Zr high temperature alloys

Zheng, X.H. (School of Materials Science and Engineering, Harbin Institute of Technology, Harbin; 150001, China); **Ning, R.; Tan, C.L.; Huang, S.; Zhang, Z.G.; Cai, W.**

Source: Materials Chemistry and Physics, v 249, 15 July 2020

Database:Compendex

Document type:Journal article (JA)

83. Multi-Interface-Modulated CoS₂@MoS₂ Nanoarrays Derived by Predesigned Germanomolybdate Polymer Showing Ultrahighly Electrocatalytic Activity for Hydrogen Evolution Reaction in Wide pH Range

Hou, Yan (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Pang, Haijun; Xin, Jianjiao; Ma, Huiyuan; Li, Bonan; Wang, Xinming; Tan, Lichao**

Source: Advanced Materials Interfaces, v 7, n 19, October 1, 2020

Database:Compendex

Document type:Journal article (JA)

84. Aging effect on microstructure and properties of SAC305/Cu column interconnect obtained by friction plunge welding

Zhao, Zhili (Key Laboratory of Advanced Manufacturing and Intelligent Technology, Ministry of Education, School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Xiao, Kai; Wang, Di; Hu, Mingdeng; Ding, Xin**

Source: Materials Letters, v 271, 15 July 2020

Database:Compendex

Document type:Journal article (JA)

85. Investigation of Microstructure of Pressure-assisted Ag Sintering Layer by Deep-etching Method

Liu, Yang (Harbin University of Science and Technology, School of Materials Science and Engineering, Harbin; 150040, China); **Zhang, Hao; Li, Zhao; Wang, Lingen; Sun, Fenglian; Zhang, Guoqi**

Source: Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering, v 49, n 1, p 42-47, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

86. A novel dual-tasking hollow cube NiFe₂O₄-NiCo-LDH@rGO hierarchical material for high performance supercapacitor and glucose sensor

Chu, Dawei (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Fengbo; Song, Xiumei; Ma, Huiyuan; Tan, Lichao; Pang, Haijun; Wang, Xinming; Guo, Dongxuan; Xiao, Boxin**

Source: Journal of Colloid and Interface Science, v 568, p 130-138, 15 May 2020

Database:Chimica

Document type:Journal article (JA)

87. Development of MOF-based heterostructures for photocatalytic hydrogen evolution

Tang, Hong-Liang (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4 Linyuan Road, Harbin; 150040, China); **Sun, Xiao-Jun; Zhang, Feng-Ming**

Source: Dalton Transactions, v 49, n 35, p 12136-12144, September 21, 2020

Database:Chimica

Document type:Journal article (JA)

88. Effect of heat treatment parameters on properties of Al_{4.8}Si_{1.2}Cu_{0.5}Mg alloy (Open Access)

Shi, Dequan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Kang, Kaijiao; Du, Zhimin; Li, Dayong; Gao, Guili; Xu, Zhenyu**

Source: Materials Transactions, v 61, n 7, p 1315-1321, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

89.Hierarchical-metal-organic framework-templated Cu_{0.5}Zn_{0.5}In₂S₄-rGO-g-C₃N₄: Flexible synthesis and enhanced photocatalytic activity

Xu, Mei-Ling (School of Materials Science and Engineering, University of Jinan, Jinan; 250022, China); **Liu, Ling-Wang; Wang, Kai; Dou, Yi-Chuan; Li, Kui; Cheng, Xin; Zhang, Feng-Ming**

Source: Journal of Materials Chemistry A, v 8, n 42, p 22124-22133, November 14, 2020

Database:Chimica

Document type:Journal article (JA)

90.Facile synthesis of a covalently connected rGO-COF hybrid material by: In situ reaction for enhanced visible-light induced photocatalytic H₂ evolution

Yao, Yu-Hao (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4, Linyuan Road, Harbin; 150040, China); **Li, Jing; Zhang, Hao; Tang, Hong-Liang; Fang, Liang; Niu, Gu-Dan; Sun, Xiao-Jun; Zhang, Feng-Ming**

Source: Journal of Materials Chemistry A, v 8, n 18, p 8949-8956, May 14, 2020

Database:Chimica

Document type:Journal article (JA)

91.Effect of surface functionalization of molybdenum disulfide nanosheets with polysulfone on cyanate ester nanocomposites

Zhao, Ming (School of Materials Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road, Harbin; Heilongjiang; 150040, China); **Liu, Lizhu; Zhang, Bin; Sun, Mingming; Zhang, Xugang; Zhang, Xue; Li, Jianhui; Wang, Lei**

Source: Colloids and Surfaces A: Physicochemical and Engineering Aspects, v 589, 20 February 2020

Database:Chimica

Document type:Journal article (JA)

92.Microstructures, electrical behavior and energy storage properties of Ag@shell/PVDF-based polymers: different effects between an organic polydopamine shell and inorganic zinc oxide shell

Guan, Lizhu (College of Material Science and Engineering, Harbin University of Science and Technology, No. 4 Linyuan Road, Xiangfang District, Harbin; Heilongjiang; 150040, China); **Weng, Ling; Zhang, Xiaorui; Wu, Zijian; Li, Qiong; Liu, Lizhu**

Source: Journal of Materials Science, v 55, n 31, p 15238-15251, November 1, 2020

Database:Compendex

Document type:Journal article (JA)

93.A free-standing and flexible phosphorus/nitrogen dual-doped three-dimensional reticular porous carbon frameworks encapsulated cobalt

phosphide with superior performance for nitrite detection in drinking water and sausage samples

Zhu, Di (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhen, Qingfang; Xin, Jianjiao; Ma, Huiyuan; Tan, Lichao; Pang, Haijun; Wang, Xinming**

Source: Sensors and Actuators, B: Chemical, v 321, 15 October 2020

Database:Chimica

Document type:Journal article (JA)

94. Finite element analysis of extrusion process for magnesium alloy internal threads with electromagnetic induction-assisted heating and thread performance research (Open Access)

Liu, Meng (Departments of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 100080, China); **Ji, Zesheng; Fan, Rui; Wang, Xingguo**

Source: Materials, v 13, n 9, May 1, 2020

Database:Compendex

Document type:Journal article (JA)

95. Construction of an ultra-sensitive electrochemical sensor based on polyoxometalates decorated with CNTs and AuCo nanoparticles for the voltammetric simultaneous determination of dopamine and uric acid

Bai, Zhenyuan (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Gao, Ning; Xu, Hengbin; Wang, Xinming; Tan, Lichao; Pang, Haijun; Ma, Huiyuan**

Source: Microchimica Acta, v 187, n 8, August 1, 2020

Database:Chimica

Document type:Journal article (JA)

96. Effect of Initial Microstructure on Microstructure and Mechanical Properties of Hot Extruded Mg-6Al-2Ca-2Sm Alloy

Feng, Yicheng (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhang, Fusheng; Chen, Yanhong; Zhao, Sicong; Wang, Liping; Guo, Erjun**

Source: Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering, v 49, n 12, p 4246-4252, December 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

97. Extracellular differential proteome analysis of substrates of different lignin model compounds degraded by aspergillus fumigatus g-13 (Open Access)

Li, Jinda (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Du, Xia; Feng, Qian; Yan, Hong**

Source: Journal of Environmental Engineering and Landscape Management, v 28, n 3, p 137-147, May 25, 2020

Database:Compendex

Document type:Journal article (JA)

98.**Mechanical properties of SiCp/SiC composite lattice core sandwich panels fabricated by 3D printing combined with precursor impregnation and pyrolysis**

Zhang, Kun (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Zeng, Tao; Xu, Guodong; Cheng, Su; Yu, Siwen**

Source: Composite Structures, v 240, 15 May 2020

Database:Chimica

Document type:Journal article (JA)

99.**Hierarchical flower-like zinc oxide nanosheets in-situ growth on three-dimensional ferrocene-functionalized graphene framework for sensitive determination of epinephrine and its oxidation derivative**

Zhu, Di (School of Materials Science and Engineering, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Ma, Huiyuan; Zhen, Qingfang; Xin, Jianjiao; Tan, Lichao; Zhang, Chunjing; Wang, Xinming; Xiao, Boxin**

Source: Applied Surface Science, v 526, 1 October 2020

Database:Chimica

Document type:Journal article (JA)

100.**Effect of La/Nd ratio on microstructure and mechanical properties of as-cast AZ91-xLa/Nd alloy (Open Access)**

Cui, Pengxing (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Hu, Maoliang; Ji, Zesheng; Xu, Hongyu; Zhang, Xun; Liu, Meng**

Source: Materials Research Express, v 7, n 2, 2020

Database:Compendex

Document type:Journal article (JA)

101.**Surface Micelle Structures and Monolayer Compression Moduli of Double Hydrophilic Block Copolymer**

Pan, Wenting (Department of Polymer Materials and Engineering, College of Material Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road, Harbin; 150040, China); **Chen, Hongxu; Wen, Gangyao; Giaouzi, Despoina; Pispas, Stergios; Zuo, Jintao**

Source: Journal of Physical Chemistry C, v 124, n 31, p 17150-17157, August 6, 2020

Database:Chimica

Document type:Journal article (JA)

102.**Dynamic recrystallization behavior and mechanical properties of bimodal scale Al₂O₃ reinforced AZ31 composites by solid state synthesis (Open Access)**

Hu, Maoliang (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wei, Shuaihu; Shi, Qian; Ji, Zesheng; Xu, Hongyu; Wang, Ye**

Source: Journal of Magnesium and Alloys, v 8, n 3, p 841-848, September 2020

Database:Compendex

Document type:Journal article (JA)

103. Electrospinning TiO₂ Modified Biphenyl Polyimide Lithium Ion Battery Separator

Gong, Guifen (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Ze; Wang, Lei; Cui, Weiwei**

Source: Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research, v 34, n 3, p 169-175, March 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

104. Electrochemical ascorbic acid sensor of composite film based on Keggin-type Vanadium-substituted Polyoxometalates decorated with graphene and Ru(bpy)₃²⁺

Guo, Dongxuan (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, No. 4 Linyuan Road, Xiangfang District, Harbin; 150040, China); **Zhou, Chunlei; Tan, Lichao; Ma, Huiyuan; He, Ranran; Pang, Haijun; Wang, Xinming**

Source: Colloids and Surfaces A: Physicochemical and Engineering Aspects, v 592, 5 May 2020

Database:Chimica

Document type:Journal article (JA)

105. A "turn-on" fluorescent probe for Al³⁺ and its biological detection in vivo

Yu, Yan-Chao (Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Feng, Jun-Kai; Liu, Bo; You, Jun; Wu, Wen-Ju; Jing, Jun-Kai**

Source: Zhongguo Huanjing Kexue/China Environmental Science, v 40, n 12, p 5422-5427, December 20, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

106. Interface and nonlinear conduction characteristics of micro-nano SiC/epoxy composites

Han, Yongsen (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin; 150080, China); **Sun, Jian; Zhang, Xin; Guo, Wenmin; Li, Zhonghua**

Source: Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica, v 37, n 7, p 1562-1570, July 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

107. Anti-aging performance of Sn₅Sb₁Cu_{0.1}Ni_{0.1}Ag/Ni solder joints

Sun, Fenglian (Harbin University of Science and Technology, Harbin; 150040, China); **Li, Tianhui; Han, Bangyao**

Source: Hanjie Xuebao/Transactions of the China Welding Institution, v 41, n 2, p 28-32, February 25, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

108. **Thermal conductivity of polyimide/AlN and polyimide/(AlN + BN) composite films prepared by in-situ polymerization**

Liu, Lizhu (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Cao, Chuanhao; Ma, Xinyu; Zhang, Xiaorui; Lv, Tong**

Source: *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, v 57, n 5, p 398-407, May 3, 2020

Database:Compendex

Document type:Journal article (JA)

109. **Dielectric properties of modified carbon nanotube/epoxy composites**

Zhang, Mingyan (Key Laboratory of Engineering Dielectric and its Application Technology of Ministry of Education, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Denghui; Wu, Zijian; Yang, Zhenhua; Liu, Ju**

Source: *Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica*, v 37, n 6, p 1285-1294, June 1, 2020

Language: Chinese

Database:Compendex

Document type:Journal article (JA)

110. **High thermal conductivity EP adhesive based on the GO/EP interface optimized by TDI**

Xu, Hang (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Zhang, Xiaorui; Hu, Guangkai; Weng, Ling; Liu, Lizhu**

Source: *Polymers for Advanced Technologies*, v 31, n 6, p 1356-1364, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

111. **Synthesis and properties of fluorinated copolymerized polyimide films (Open Access)**

Cao, Chuanhao (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Liu, Lizhu; Ma, Xinyu; Zhang, Xiaorui; Lv, Tong**

Source: *Polimeros*, v 30, n 2, 2020

Database:Compendex

Document type:Journal article (JA)

112. **Microstructure evolution of Au/SnSb-CuNiAg/(Au)Ni during high temperature aging**

Han, Bangyao (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Sun, Fenglian; Li, Tianhui; Liu, Yang**

Source: *Soldering and Surface Mount Technology*, v 32, n 2, p 57-64, 18 Mar 2020

Database:Compendex

Document type:Journal article (JA)

113. **Preparation and properties of a novel sandwich structure polydimethylsiloxane/polyvinylidene fluoride-Ag nanowires/polydimethylsiloxane flexible strain sensor**

Zhang, Mingyan (Key Laboratory of Engineering Dielectric and Its Application Technology of Ministry of Education, Harbin University of Science and Technology, Harbin; 150040, China); **Yang, Zhenhua; Wu, Zijian; Wang, Denghui; Liu, Ju; Yang, Rongchen**

Source: *Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica*, v 37, n 5, p 1024-1032, May 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

114. **Zn_xCd_{1-x}S/g-C₃N₄nanocomposites: Synthesis, characterization, and photocatalytic activity**

Li, Xiaoyue (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Dong, Limin; Shan, Lianwei; Jin, Xinxin; Guo, Yingkui**

Source: *Canadian Journal of Chemistry*, v 98, n 8, p 441-444, 2020

Database:Compendex

Document type:Journal article (JA)

115. **The influences of different size SiO₂ nanoparticles on dielectric properties and corona resistance of epoxy composites**

Zhao, Wei (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Chen, Hao; Fan, Yong; Cui, Weiwei**

Source: *Polymers for Advanced Technologies*, v 31, n 12, p 3070-3078, December 1, 2020

Database:Compendex

Document type:Journal article (JA)

116. **ZnS Nanosphere Arrays/Graphene Foam for Voltammetric Sensing of Dopamine in the Presence of Uric Acid**

Wu, Peng Fei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Yue, Hong Yan; Huang, Shuo; Gao, Xin; Guo, Xin Rui; Zhang, Teng; Wang, Zeng Ze; Chen, Hong Tao**

Source: *IEEE Sensors Journal*, v 20, n 6, p 2839-2843, March 15, 2020

Database:Compendex

Document type:Journal article (JA)

117. **A special filler for epoxy resin to enhance the T peel strength of adhesive**

Xu, Hang (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Zhang, Xiaorui; Hu, Guangkai; Weng, Ling; Liu, Lizhu**

Source: *Polymer Composites*, v 41, n 10, p 4372-4378, October 1, 2020

Database:Compendex

Document type:Journal article (JA)

118. **Visible-light-driven photocatalytic degradation of rhodamine B in water by BiOCl_xI_{1-x} solid solutions** (*Open Access*)

Xu, Huan-Yan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Lu, Dan; Tan, Qu; He, Xiu-Lan; Qi, Shu-Yan**

Source: *Water Science and Technology*, v 81, n 5, p 1080-1089, March 1, 2020

Database:Compendex

Document type:Journal article (JA)

119. **Preparation Mechanism of Fine-Grained Magnesium Alloys by Accumulative Alternating Back Extrusion**

Wang, Ye (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Feng; Li, Xue Wen; Fang, Wen Bin**

Source: *JOM*, v 72, n 7, p 2578-2585, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

120. **Effect of Dynamic Recrystallization on Grain Refinement during Interactive Alternating Forward Extrusion of AZ31B Magnesium Alloy**

Wang, Yu (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Feng; Wang, Ye; Gao, Lei**

Source: *Journal of Materials Engineering and Performance*, v 29, n 5, p 2748-2756, May 1, 2020

Database:Compendex

Document type:Journal article (JA)

121. **Improvement of Electron Transport in Dye-Sensitized Solar Cells Based on TiO₂/MWCNTs Composite Films as a Photoanode and SnO₂/MWCNTs as a Pt-free Counter Electrode**

Liu, Qinglong (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Xiaoyu; Zhao, Liping; Jin, Liguo**

Source: *Kuei Suan Jen Hsueh Pao/Journal of the Chinese Ceramic Society*, v 48, n 4, p 483-490, April 1, 2020

Database:Compendex

Document type:Journal article (JA)

122. **Effect of Size and Content of SiO₂ Nanoparticle on Corona Resistance of SiliconBoron Composite Oxide/SiO₂/Epoxy Composite**

Zhao, Wei (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Chen, Hao; Fan, Yong; Cui, Weiwei**

Source: *Journal of Inorganic and Organometallic Polymers and Materials*, v 30, n 11, p 4753-4763, November 1, 2020

Database:Compendex

Document type:Journal article (JA)

123. **Effect of extrusion ratio (λ) on dynamic recrystallization of AZ31 magnesium alloy bending products prepared by staggered extrusion (SE)**

Wang, Yan Peng (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Feng; Li, Xue Wen**
Source: *International Journal of Advanced Manufacturing Technology*, v 108, n 1-2, p 289-297, May 1, 2020

Database:Compendex

Document type:Journal article (JA)

124. **Effect of Al addition on microstructure and mechanical properties of as-cast Mg-4Y-3Nd alloy**

Wang, Lei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Guo, Erjun; Jiang, Wenyong; Feng, Yicheng; Zhao, Sicong; Fu, Yuanke; Chen, Hongtao**

Source: *Philosophical Magazine*, v 100, n 2, p 234-247, January 17, 2020

Database:Compendex

Document type:Journal article (JA)

125. **A heatproof electrospun PES/PVDF composite membrane as an advanced separator for lithium-ion batteries**

Cui, Weiwei (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin, China); **Shi, Lina; Song, Wei; Wang, Xu; Lin, Zeyu; Deng, Wei; Ma, Yingyi**

Source: *Journal of Applied Polymer Science*, v 137, n 43, November 15, 2020

Database:Compendex

Document type:Journal article (JA)

126. **Unusual texture formation and mechanical property in AZ31 magnesium alloy sheets processed by CVCDE**

Wang, Ye (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Li, Feng; Li, Xue Wen; Fang, Wen Bin**

Source: *Journal of Materials Processing Technology*, v 275, January 2020

Database:Compendex

Document type:Journal article (JA)

127. **Curing Kinetics and the Properties of KH560-SiO₂/Polyethersulfone/Bismaleimide-Phenolic Epoxy Resin Composite**

Chen, Yufei (The College of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wu, Yunzhong; Geng, Chengbao; Li, Zhiguo; Dai, Guoqing; Cui, Weiwei**

Source: *Journal of Inorganic and Organometallic Polymers and Materials*, v 30, n 5, p 1735-1743, May 1, 2020

Database:Compendex

Document type:Journal article (JA)

128. **Thermodynamic and electrochemical properties of co-spun polyvinyl-vinyl alcohol lithium-thermoplastic polyurethane lithium ion battery separator**

Gong, Guifen (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Cao, Jingfei; Zou, Minggui**

Source: *Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica*, v 37, n 5, p 1063-1069, May 1, 2020

Language: Chinese

Database: Compendex

Document type: Journal article (JA)

129. **Surface modification of nano crystalline cellulose and application in bismaleimide resin**

Gong, Guifen (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Xing, Yun; Li, Ze; Xin, Hao; Cao, Jingfei; Luo, Yanmei**

Source: *Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica*, v 37, n 6, p 1334-1343, June 1, 2020 **Language:** Chinese

Database: Compendex

Document type: Journal article (JA)

130. **Effect of Zinc Addition on the Evolution of Interfacial Intermetallic Phases at Near-Eutectic 50In-50Sn/Cu Interfaces**

Wang, Jingze (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Mao, Dongxin; Chen, Hongtao; Zhang, Xiaohua; Shi, Lei; Wang, Jianbing**

Source: *Journal of Electronic Materials*, v 49, n 2, p 1512-1517, February 1, 2020

Database: Compendex

Document type: Journal article (JA)

131. **Effect of Bi on Microstructure and Mechanical Properties of Mg-3Al-3Nd Alloy**

Chen, Liang (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Liping; Feng, Yicheng; Wang, Lei; Zhao, Sicong**

Source: *Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research*, v 34, n 6, p 425-433, June 25, 2020 **Language:** Chinese

Database: Compendex

Document type: Journal article (JA)

132. **Fire reaction properties of polystyrene-based composites using hollow silica as synergistic agent**

Wang, Yongliang (College of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Meng, Xiangfei; Wang, Chunfeng; Han, Zhidong; Shi, Hu**

Source: *Journal of Thermal Analysis and Calorimetry*, 2020

Article in Press

Database: Compendex

Document type: Article in Press

133. **Microstructure and Property of CuS Nanocrystalline Counter Electrode in Quantum Dot Sensitized Cells**

Wang, Qiming (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Di; Sun, Hongquan; Zheng, Wei**

Source: *Kuei Suan Jen Hsueh Pao/Journal of the Chinese Ceramic Society*, v 48, n 3, p 434-441, March 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

134. **Phase evolution of a novel Al-Zn-Mg-Cu-Zr-Sm alloy during homogenization annealing treatment** (*Open Access*)

Zhai, Fenglong (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Liping; Gao, Xin; Feng, Yicheng; Zhao, Sicong; Wang, Lei**

Source: *Materials Research Express*, v 7, n 7, July 2020

Database:Compendex

Document type:Journal article (JA)

135. **Spin-Polarized Transport and Optoelectronic Properties of a Novel-Designed Architecture with a Porphyrin-Based Wheel and Organometallic Multidecker Sandwich Complex-Based Axle**

Gao, Shengnan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Yang, Zhaodi; Wang, Yuxiu; Zhang, Guiling; Hu, Yangyang**

Source: *JOM*, v 72, n 9, p 3149-3159, September 1, 2020

Database:Compendex

Document type:Journal article (JA)

136. **Effect of glucose concentrations on wear resistance of Al/APC composites prepared by hydrothermal carbonized deposition on chips**

He, Yingjie (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Xu, Hongyu; Hu, Maoliang; Jiang, Bo; Ji, Zesheng**

Source: *Journal of Materials Science and Technology*, v 53, p 82-90, 15 September 2020

Database:Compendex

Document type:Journal article (JA)

137. **Construction and photocatalytic properties of WS₂/BiOCl heterojunction**

Qi, Shuyan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Liu, Xueting; Ma, Ninglong; Xu, Huanyan**

Source: *Journal of Nanoparticle Research*, v 22, n 12, December 2020

Database:Compendex

Document type:Journal article (JA)

138. **Investigation on precision warm hydroforming with independent circumferential pressure of high-performance aluminum alloy parts with special-shaped bottom**

Liu, Xiao Jing (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Gao, Ji Cheng; Li, Chao; Qin, Jin; Ding, Hong Fu**

Source: *International Journal of Advanced Manufacturing Technology*, v 109, n 1-2, p 201-213, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

139. **Hot Processing Maps and Microstructural Characteristics of A357 Alloy**

Kang, Fuwei (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wei, Shijie; Zhang, Jimin; Wang, Enhao; Fan, Dezhi; Wang, Shanshan**

Source: *Journal of Materials Engineering and Performance*, v 29, n 11, p 7352-7360, November 2020

Database:Compendex

Document type:Journal article (JA)

140. **Enhanced flame retardance in polyethylene/magnesium hydroxide/polycarbosilane blends**

Wang, Chunfeng (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Liu, Junwang; Wang, Yongliang; Han, Zhidong**

Source: *Materials Chemistry and Physics*, v 253, 1 October 2020

Database:Compendex

Document type:Journal article (JA)

141. **Preparation and electrochemical properties of EVOH-SO₃Li/poly(vinylidene fluoride- hexafluoropropylene)/hydroxyapatite lithium-ion battery separator**

Gong, Gui-Fen (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Xu, A-Wen; Zou, Ming-Gui; Xing, Yun; Xin, Hao**

Source: *Cailiao Gongcheng/Journal of Materials Engineering*, v 48, n 5, p 75-82, May 20, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

142. **Consumption of Ni layer and IMC growth at SAC305/Ni interface**

Fan, Rui (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Sun, Feng-Lian; Liu, Yang**

Source: *Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals*, v 30, n 9, p 2094-2104, September 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

143. **Evaluation of low dielectric constant epoxy vinyl ester resin modified by hyperbranched unsaturated polyester of acroleic acid and n-hexanoic acid co-blocking**

Shi, Jiahao (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhang, Xiaorui; Liu, Lizhu; Weng, Ling; Yan, Shaohui; Zhang, Siqi**

Source: *Journal of Materials Science: Materials in Electronics*, v 31, n 12, p 9176-9184, June 1, 2020

Database:Compendex

Document type:Journal article (JA)

144. **Effect of modified NCC on mechanical and thermogravimetric properties of epoxy resin**

Gong, Guifen (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Xing, Yun; Lu, Xin; Wang, Fanyu**

Source: *Huazhong Keji Daxue Xuebao (Ziran Kexue Ban)/Journal of Huazhong University of Science and Technology (Natural Science Edition)*, v 48, n 3, p 116-120, March 23, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

145. **Effect of stirring rate on grain morphology of Mg-Al alloy semi-solid structure by phase field lattice Boltzmann simulation**

Zhang, Xun (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Ye; Liu, Dongrong; Ji, Zesheng; Xu, Hongyu; Hu, Maoliang; Cui, Pengxing**

Source: *Journal of Crystal Growth*, v 543, 1 August 2020

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Document type:Journal article (JA)

146. **CuS/g-C₃N₄ Composite as High-Performance Counter Electrode Materials in QDSCs**

Zheng, Wei (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Qiming; Wang, Di; Sun, Hongquan**

Source: *IEEE Journal of Photovoltaics*, v 10, n 5, p 1340-1345, September 2020

Database:Compendex

Document type:Journal article (JA)

147. **Enhanced dielectric performance of TPU composites filled with Graphene@poly(dopamine)-Ag core-shell nanoplatelets as fillers (Open Access)**

Zhu, Pingwei (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Weng, Ling; Zhang, Xiaorui; Wang, Xiaoming; Guan, Lizhu; Shi, Jiahao; Liu, Lizhu**

Source: *Polymer Testing*, v 90, October 2020

Database:Compendex

Document type:Journal article (JA)

148. **Effect of Copolymer Chain Structure on Properties of Fluorinated Copolyimide Film**

Zhang, Mingyan (Harbin University of Science and Technology, Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin; 150080, China); **Liu, Ju; Yang, Zhenhua; Wang, Denghui; Wu, Zijian**

Source: *Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research*, v 34, n 1, p 43-49, January 25, 2020 **Language:** Chinese

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149. **Novel magnetic and transport properties of FePP@GNP bilayers formed by Fe-porphyrin embedded into graphene nanopieces**

Wang, Yuxiu (Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Gao, Shengnan; Jiang, Yingjie; Yu, Hong; Zhang, Guiling; Shang, Yan**

Source: *Materials Chemistry and Physics*, v 254, 1 November 2020

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Document type:Journal article (JA)

150. **Effect of Multi-wall Carbon Nanotubes on Micro-cracks Optimization and Property of Solar Cell Photoanodes**

Wang, Di (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Wang, Qiming; Sun, Hongquan; Wang, Xinyu; Zhang, Wei; Zheng, Wei**

Source: *Kuei Suan Jen Hsueh Pao/Journal of the Chinese Ceramic Society*, v 48, n 1, p 79-85, January 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

151. **Effect of extrusion ratio on the microstructure and texture evolution of AZ31 magnesium alloy by the staggered extrusion (SE) (Open Access)**

Wang, Yan-peng (School of Materials Science and Engineering, Harbin University of Science and Technology, No.4, Lin Yuan Street, Xiang Fang, Harbin; Heilongjiang; 150040, China); **Li, Feng; Wang, Ye; Li, Xue-wen; Fang, Wen-win**

Source: *Journal of Magnesium and Alloys*, v 8, n 4, p 1304-1313, December 2020

Database:Compendex

Document type:Journal article (JA)

152. **Construction of 6061-T6 aluminum alloy constitutive model based on hot bulging test and study on the non-isothermal hydroforming process**

Liu, Xiao Jing (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Cao, Hong Ying; Li, Chao; Qin, Jin; Gao, Ji Cheng**

Source: *International Journal of Advanced Manufacturing Technology*, v 109, n 5-6, p 1625-1641, July 1, 2020

Database:Compendex

Document type:Journal article (JA)

153. **Mechanical, thermal and dielectric properties of modified attapulgite-graphene oxide/epoxy composites**

Sun, Qi (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhou, Hong; Zhang, Hang; Liu, Guolong**

Source: *Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica*, v 37, n 5, p 1056-1062, May 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

154. **Electrochemical properties of Y doped Mn₃O₄/graphene composites**

Chen, Le (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Dong, Li-Min; Jin, Xin-Xin; Fu, Hai-Yang; Li, Xiao-Yue**

Source: *Cailiao Gongcheng/Journal of Materials Engineering*, v 48, n 2, p 53-58, February 20, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

155. **Consistency and degradation of electrochemical double layer capacitors under calendar ageing**

Liu, Bo (Institute of Sensor and Reliability Engineering, Harbin University of Science and Technology, Harbin, China); **Qi, Jia; Yin, Xitong; Sun, Yongquan**

Source: *2020 Global Reliability and Prognostics and Health Management, PHM-Shanghai 2020*, October 16, 2020, *2020 Global Reliability and Prognostics and Health Management, PHM-Shanghai 2020*

Database:Compendex

Document type:Conference article (CA)

156. **Study on low dielectric laminate modified by hyperbranched polyester of caprylic acid and hexanoic acid co-blocking**

Shi, Jiahao (Department of Polymer Materials, School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin; 150040, China); **Zhang, Xiaorui; Weng, Ling; Zhu, Xingsong; Liu, Lizhu**

Source: *Journal of Materials Science: Materials in Electronics*, v 31, n 7, p 5068-5076, April 1, 2020

Database:Compendex

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经管 24 篇

1.Design of a six-gas NDIR gas sensor using an integrated optical gas chamber (Open Access)

Liu, Hehuan (Higher Educational Key Laboratory for Measuring and Control Technology, Instrumentations of Heilongjiang Province, School of Measurement-Control Technology and Communications Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shi, Yunbo; Wang, Tian**

Source: *Optics Express*, v 28, n 8, p 11451-11462, April 13, 2020

Database: Compendex

Document type:Journal article (JA)

2.Chinese green process innovation in automotive painting: the strategic niche management perspective

Tian, H. (Department of Management, School of Economics and Management, Harbin University of Science and Technology, Harbin, China); **Wang, Z.H.**

Source: *International Journal of Environmental Science and Technology*, v 17, n 2, p 993-1010, February 1, 2020

Database:Compendex

Document type:Journal article (JA)

3. Corporation social responsibility apportionment mechanism and pricing strategy for closed-loop supply chain under different power structures

Liu, Shan (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Yao, Feng-Min; Chen, Dong-Yan; Teng, Chun-Xian**

Source: *Kongzhi yu Juece/Control and Decision*, v 35, n 6, p 1525-1536, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

4. Open knowledge network space-time elevation model and governance strategy based on multiple driven modes

Shan, Zidan (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150040, China); **Xiang, Zhaoxia; Chen, Lin**

Source: *Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS*, v 26, n 8, p 2202-2215, August 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

5. Revenue sharing and green innovation investment of green supply chain under fairness preference

Jiang, Ming-Jun (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Chen, Dong-Yan**

Source: *Kongzhi yu Juece/Control and Decision*, v 35, n 6, p 1463-1468, June 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

6. The influence relationship among extrinsic incentive, intrinsic motivation and employee innovation performance based on holmstrom and milgrom model

Xiaoyu, Xue (Harbin University of Science and Technology, School of Economics and Management, Harbin, China); **Wei, Wang**

Source: *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*, p 136-141, December 2020, *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*

Database:Compendex

Document type:Conference article (CA)

7. Research on the development level of regional science and technology service industry

Mian, Wang (Harbin University of Science and Technology, School of Economics and Management, Harbin, China); **Hongqi, Wang; Tianyi, Zhao**

Source: *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*, p 498-505, December 2020, *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*

Database:Compendex

Document type:Conference article (CA)

8. Executive salary, executive power and enterprise innovation intensity - Multiple regression analysis from equipment manufacturing industry

Yuqing, Zhou (School of Economics and Management Harbin, University of Science and Technology, Harbin, China); **Wei, Wang**

Source: *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*, p 429-434, December 2020, *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*

Database:Compendex

Document type:Conference article (CA)

9. Comparative analysis of prediction errors based on offshore wind power characteristics

Yan, Jian (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Gao, Changyuan; Yu, Guangbin**

Source: *Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS*, v 26, n 3, p 648-654, March 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

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Yao, Fengmin (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Yue; Teng, Chunxian**

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Document type:Journal article (JA)

11. **Disruptive innovation path selection of emerging industries based on extension model**

Meng-Meng, Bao (Harbin University of Science and Technology, School of Economics and Management, Harbin; 150080, China); **Kuo, Dong; Jian-Long, Wu**

Source: *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*, p 506-509, December 2020, *Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020*

Database:Compendex

Document type:Conference article (CA)

12. **Decision mechanism of service innovation behavior of equipment manufacturing enterprises from perspective of tripartite collaboration**

Qi, Liangqun (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Lingyue; Wang, Chengdong**

Source: *Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS*, v 26, n 5, p 1314-1325, May 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

13. **Root-Cause Analysis and Fine Tuning for Run-Time Quality Issues in Transboundary Services**

Ma, Chao (School of Software Microelectronics, School of Economics and Management, Harbin University of Science and Technology, Harbin, China); **Liu, Weidong; Li, Weifeng; Pan, Cheng; Tu, Zhiying; Wang, Zhongjie**

Source: *Proceedings - 2020 IEEE World Congress on Services, SERVICES 2020*, p 213-218, October 2020, *Proceedings - 2020 IEEE World Congress on Services, SERVICES 2020*

Database:Compendex

Document type:Conference article (CA)

14. **Research on symbiosis state between manufacturing and producer services industry**

Wang, Xueyuan (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Ma, Weirui; He, Ting**

Source: *International Journal of Internet Manufacturing and Services*, v 7, n 4, p 307-328, 2020

Database:Compendex

Document type:Journal article (JA)

15. **A low-carbon evaluation method for manufacturing products based on fuzzy mathematics (Open Access)**

Dong, Chaoqun (School of Economics and Management, Harbin University of Science and Technology, Harbin, China); **Bi, Kexin**

Source: Systems Science and Control Engineering, v 8, n 1, p 153-161, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

16.Exploring Temporal and Spatial Evolution of the Patent Collaboration Network: A Case Study of Smart Grid Field in China

Liu, Weiwei (School of Economics and Management, Harbin Engineering University, Harbin 150001 China and also with the Management School, Queen's University Belfast BT9 5EE, Belfast U.K. (e-mail: heulww@163.com).); **Tao, Yuan; Bi, Kexin**

Source: IEEE Transactions on Engineering Management, 2020

Article in Press

Database:Compendex

Document type:Article in Press

17.Boosting Honeycomb-like Layer Double Hydroxides Nanosheets as advanced Electrode for Supercapacitors

Dong, Chaoqun (Key Laboratory of Engineering Dielectric and Applications (Ministry of Education), School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Ge, Qiuxuan; Li, Yu; Zhang, Jiawei**

Source: Thin Solid Films, v 715, December 1, 2020

Database:Compendex

Document type:Journal article (JA)

18.Cooperative design conflict resolution game model involving buyer based on incomplete historical data information

Gao, Changyuan (Laboratory of Management Information Systems, School of Economics and Management, Harbin University of Science and Technology, Harbin; 150040, China); **Luan, Zhaodong; Zhang, Shuchen; Wang, Jing**

Source: Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS, v 26, n 5, p 1345-1354, May 1, 2020 **Language:** Chinese

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19.On innovation performance of low-carbon technology breakthrough innovation network in manufacturing industry under the global value chain: A case study based on Chinese manufacturing industries (Open Access)

Dong, Chaoqun (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Bi, Kexin**

Source: IEEE Access, v 8, p 174080-174093, 2020

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Document type:Journal article (JA)

20.Impact of customer perceived service quality on online booking decisions based on structural equation modeling

Gao, Jing (Harbin University of Science and Technology, School of Economics and Management, Harbin, China); **Guan, Tao**

Source: Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020, p 59-67, December 2020, Proceedings - 2020 Management Science Informatization and Economic Innovation Development Conference, MSIEID 2020

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Document type:Conference article (CA)

21. Estimating network flowing over edges by recursive network embedding (Open Access)

Yu, Liqun (School of Economics and Management, Harbin University of Science and Technology, Harbin; 150080, China); **Wang, Hongqi; Mo, Haoran**

Source: Shock and Vibration, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

22. Model Analysis and Simulation of Equipment-Manufacturing Value Chain Integration Process (Open Access)

Dong, Sisi (School of Economics and Management, Harbin University of Science and Technology, Harbin, Heilongjiang; 150080, China); **Qi, Liangqun**

Source: Complexity, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

23. Why and How Does a Supplier Choose Factoring Finance? (Open Access)

Tian, Chunying (School of Economy and Management, Harbin University of Science and Technology, Harbin, China); **Chen, Dongyan; Chen, Zhaobo; Zhang, Ding**

Source: Mathematical Problems in Engineering, v 2020, 2020

Database:Compendex

Document type:Journal article (JA)

24. Research on the Sustainable Development Strategy of China's Petroleum Resource-Based City Based on Entropy-weight TOPSIS Method (Open Access)

Liu, Yi (Departments of Economics and Management, Harbin University of Science and Technology, Heilongjiang Province Harbin; 150080, China); **Liu, Junjun; Sun, Zhen**

Source: IOP Conference Series: Earth and Environmental Science, v 546, n 2, August 11, 2020, 2020 6th International Conference on Advances in Energy, Environment and Chemical Engineering - Development and Utilization of Energy Equipment

Database:Compendex

Document type:Conference article (CA)

24. Research on multi-period closed-loop supply chain network equilibrium based on consumers' preference for products

Guoyi, Xiu (Harbin University of Science and Technology, China); **Caiquan, Duan; Yubin, Zhang; Yunhui, Zhang**

Source: *International Journal of Information Systems and Supply Chain Management*, v 13, n 4, p 68-94, October-December 2020

Database:Compendex

Document type:Journal article (JA)

建筑 4 篇

1.Quantifying curing and composition effects on compressive and tensile strength of 160–250 MPa RPC

Rong, Qin (School of Architecture and Civil Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Hou, Xiaomeng; Ge, Chao**

Source: *Construction and Building Materials*, v 241, 30 April 2020

Database:Compendex

Document type:Journal article (JA)

2.Alkali-activated slag cement: Alternative adhesives for CFRP sheets bonded to concrete at elevated temperatures (Open Access)

Zhu, Jing (College of Civil Engineering and Architecture, Harbin University of Science and Technology, Harbin; 150080, China); **Zheng, Wenzhong; Xie, Lili; Ren, Ning; Zhang, Yuxuan; Zhang, Yongxin**

Source: *Journal of New Materials for Electrochemical Systems*, v 23, n 3, p 167-176, July 2020

Database:Compendex

Document type:Journal article (JA)

3.Fabrication and low-velocity impact response of pyramidal lattice stitched foam sandwich composites (Open Access)

Jia, Jiale (Department of Engineering Mechanics, Harbin University of Science and Technology, Harbin; 150080, China); **Yan, Shi**

Source: *Science and Engineering of Composite Materials*, v 27, n 1, p 245-257, January 1, 2020

Database:Compendex

Document type:Journal article (JA)

4.Experimental investigation on the tensile and compressive properties of 3D 4-directional braided carbon fiber/epoxy resin composites in thermal environment

Jiang, Lili (Department of Engineering Mechanics, Harbin University of Science and Technology, Harbin; 150080, China); **Wu, Rina; Xu, Meiling; Li, Zhenguoguo; Zhou, Xinwei**

Source: *Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica*, v 37, n 2, p 309-317, February 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

荣成 4 篇

1.Design of a six-gas NDIR gas sensor using an integrated optical gas chamber (Open Access)

Liu, Hehuan (Higher Educational Key Laboratory for Measuring and Control Technology, Instrumentations of Heilongjiang Province, School of Measurement-Control Technology and Communications Engineering, Harbin University of Science and Technology, Harbin; 150080, China); **Shi, Yunbo; Wang, Tian**

Source: *Optics Express*, v 28, n 8, p 11451-11462, April 13, 2020

Database: Compendex

Document type:Journal article (JA)

2. Development of New Movable Hot-wet Tensile Strength Tester (Open Access)

Liu, Yang (Harbin University of Science and Technology Rongcheng Campus, Rongcheng; 264300, China); **Lu, Decai; Liang, Bo; Wang, Ao; Shi, Dequan; Li, Dayong**

Source: *Jixie Gongcheng Xuebao/Journal of Mechanical Engineering*, v 56, n 14, p 19-25, July 20, 2020 Language: Chinese

Database:Compendex

Document type:Journal article (JA)

3. Design and Research of Infusion Monitoring System Based on OneNET Platform (Open Access)

Zhang, Le (Rongcheng College, Harbin University of Science and Technology, Weihai, China); **Wang, Zhongwen; Xiu, Xiang; Li, Quanqiang**

Source: *IOP Conference Series: Earth and Environmental Science*, v 440, n 5, March 18, 2020, *2019 5th International Conference on Environmental Science and Material Application - Resources and Geological Engineering*

Database:Compendex

Document type:Conference article (CA)

4. Improvement of landMarc indoor positioning algorithm

Duan, Ruizhen (Rongchen College, Harbin University of Science and Technology, Rongcheng; 264300, China); **Li, Zhen; Yin, Yanhao**

Source: *International Journal of Performability Engineering*, v 16, n 3, p 446-453, March 2020

Database:Compendex

Document type:Journal article (JA)

其他 10 篇

1.Research progress of polymer binders for pressure and temperature sensitive paints

Chen, Zhen-Hua (Harbin University of Science and Technology, Harbin; 150080, China); **Zhou, Xiao-Long; Zhang, Zong-Bo; Zhang, Ming-Yan; Xu, Cai-Hong**

Source: *Surface Technology*, v 49, n 5, p 140-147, May 20, 2020 Language: Chinese

Database:Compendex

Document type:Journal article (JA)

2.Optimized artificial neural network based performance analysis of wheelchair movement for ALS patients

Li, Kai (Harbin University of Science and Technology, Harbin City, China); **Ramkumar, S.; Thimmiaraja, J.; Diwakaran, S.**

Source: *Artificial Intelligence in Medicine*, v 102, January 2020

Database:Compendex

Document type:Journal article (JA)

4. Preparation and properties of modified boron nitride/epoxy resin thermal conductive composites

Chen, Liu (Harbin University of Science and Technology, Harbin, China); **Haoran, Zhou; Zhen, Yuan**

Source: *Materials Science Forum*, v 1003 MSF, p 173-178, 2020, *Materials for Modern Technologies VI*

Database:Compendex

Document type:Conference article (CA)

5. An open model of green innovation system in manufacturing industry based on viterbi algorithms

Li, Tan (Harbin University of Science and Technology, Harbin; 150080, China)

Source: *Proceedings - 2020 12th International Conference on Measuring Technology and Mechatronics Automation, ICMTMA 2020*, p 177-180, February

2020, *Proceedings - 2020 12th International Conference on Measuring Technology and Mechatronics Automation, ICMTMA 2020*

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Document type:Conference article (CA)

6. Research on Communication APP for Deaf and Mute People Based on Face Emotion Recognition Technology

Tao, Yuan (Harbin University of Science and Technology, Harbin; 150080, China); **Huo, Shihang; Zhou, Wenyu**

Source: *Proceedings of 2020 IEEE 2nd International Conference on Civil Aviation Safety and Information Technology, ICCASIT 2020*, p 547-552, October 14,

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Database:Compendex

Document type:Conference article (CA)

7. Application of Computer "Virtual Reality" Technology in College Physical Training

Li, Liwei (Harbin University of Science and Technology, Harbin, Harbin; 150080, China); **Liu, Chunyuan**

Source: *Lecture Notes in Electrical Engineering*, v 675, p 167-173, 2020, *Innovative Computing, IC 2020*

Database:Compendex

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8. Improved SIFT fast image stitching and ghosting optimization algorithm

Liu, Jie (Harbin University of Science and Technology, Harbin; 150080, China); **You, Pin-Hong; Zhan, Jian-Bin; Liu, Jin-Feng**

Source: *Guangxue Jingmi Gongcheng/Optics and Precision Engineering*, v 28, n 9, p 2076-2084, September 1, 2020 **Language:** Chinese

Database:Compendex

Document type:Journal article (JA)

9. Preparation and properties of porous electrode of supercapacitor based on particulate leaching method (Open Access)

Wang, Guanzheng (Institute of Marine Intelligent Equipment, Harbin University of Science and Technology, Harbin, China); **Liang, Bo; Du, Ye; Wu, Lulu; Zhang, Xiaojuan; Wang, Weifeng; Lin, Chuan**

Source: *IOP Conference Series: Earth and Environmental Science*, v 558, n 5, September 4, 2020, *2nd International Conference on Oil and Gas Engineering and Geological Sciences - Chapter 4. Energy Resources, Energy Conversion and Energy Conservation*

Database:Compendex

Document type:Conference article (CA)

10. Estimation of motion blurred direction for video monitor image

Wang, Beiyi (Harbin University of Science and Technology, Harbin; 150080, China); **Zhang, Xiaohong; Wu, Haibin; Wang, Qi; Hu, Lijuan**

Source: *International Journal of Performability Engineering*, v 16, n 8, p 1254-1261, August 2020

Database:Compendex

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