

## 2007年EI Compendex 收录我校教师论文情况统计表

- 1. Title:**A hybrid genetic algorithm for feature selection wrapper based on mutual information  
**Author:** [Huang, Jinjie](#) (Department of Automation, [Harbin University of Science and Technology](#)); [Cai, Yunze](#); [Xu, Xiaoming](#)  
**Source:** *Pattern Recognition Letters*, v 28, n 13, Oct 1, 2007, p 1825-1844  
**Database:** Compendex
- 2. Title:**Analysis and design of PCD milling tool for machining copper alloy materials  
**Author:**[Wang, Zhigang](#)  
(School of Mechanical Engineering, [Harbin University of Science and Technology](#)); [Li, Zhengjia](#); [Cheng, Yaonan](#); [Ning, Shiyu](#)  
**Source:** *International Journal of Computer Applications in Technology*, v 28, n 1, 2007, p 110-115  
**Database:** Compendex
- 3. Title:**Image data capture and calibration for electrical capacitance tomography system of oil/water two-phase flow  
**Author:**[Chen, Deyun](#)  
([Harbin University of Science and Technology](#)); [Huang, Jiading](#); [Wang, Lui](#); [Yu, Xiaoyang](#)  
**Source:** *International Conference on Signal Processing Proceedings, ICSP*, v 1, 8th International Conference on Signal Processing, ICSP 2006, 2007, p 4128893  
**Database:** Compendex
- 4. Title:**Global stability in a n-species system with time delay  
**Author:**[Li, Shi-Tao](#)  
(Applied Science College, [Harbin University of Science and Technology](#)); [Li, Dong-Mei](#)  
**Source:** *Shiyu Huagong Gaodeng Xuexiao Xuebao/Journal of Petrochemical Universities*, v 20, n 2, June, 2007, p 84-87 **Language:** Chinese  
**Database:** Compendex
- 5. Title:**Removal mechanism of aqueous lead by a novel eco-material: Carbonate hydroxyapatite  
**Author:** [Xu, Huanyan](#) (School of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Yang, Lei](#); [Wang, Peng](#); [Liu, Yu](#); [Peng, Mingsheng](#) **Source:** *Journal of Materials Science and Technology*, v 23, n 3, May, 2007, p 417-422  
**Database:** Compendex
- 6. Title:**Thermal analysis studies on thermal-aging kinetic parameters of enamel-covered wire insullac  
**Author:**[Han, Bao-Zhong](#)  
(College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Li, Chang-Ming](#)  
**Source:** *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 15, n 3, June, 2007, p 379-382+386 **Language:** Chinese  
**Database:** Compendex
- 7. Title:**Investigations on actuation critical response voltage for IPMC based on modified

**EVOH ionomer**

**Author:**[Zhang, Yujun](#)

(School of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Li, Fengfu](#); [Li, Lei](#); [Dai, Lijun](#)

**Source:** *Proceedings of the 2nd IEEE International Conference on Nano/Micro Engineered and Molecular Systems, IEEE NEMS 2007, Proceedings of the 2nd IEEE International Conference on Nano/Micro Engineered and Molecular Systems, IEEE NEMS 2007*, 2007, p 41-44

**Database:** Compendex

**8. Title: The influence of the chip-scale-package on the functioning and reliability of RF-MEMS switches**

**Author:**[Mingxin, Song](#)

(School of Applied Sciences, [Harbin University of Science and Technology](#)); [Min, Zhu](#); [Xunjun, He](#); [Jinghua, Yin](#)

**Source:** *2006 7th International Conference on Electronics Packaging Technology, ICEPT '06, 2006 7th International Conference on Electronics Packaging Technology, ICEPT '06*, 2007, p 4198940

**Database:** Compendex

**9. Title: Research on integrated fuzzy control of continuously variable transmission for passenger car**

**Author:**[Zhou, Meilan](#)

(Electrical and Electronics Engineering College, [Harbin University of Science and Technology](#)); [Wen, Jiabin](#); [Wang, Xudong](#); [Lin, Zhinan](#)

**Source:** *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 28, n 10, October, 2007, p 1836-1841 **Language:** Chinese

**Database:** Compendex

**10. Title: Bioaugmentation of hydrogen producing bacteria on operation of bio-hydrogen producing reactor**

**Author:**[Qin, Zhi](#)

(School of Chemical and Environmental Engineering, [Harbin University of Science and Technology](#)); [Ren, Nan-Qi](#); [Li, Jian-Zheng](#)

**Source:** *Huanjing Kexue/Environmental Science*, v 28, n 12, December, 2007, p 2843-2848

**Language:** Chinese

**Database:** Compendex

**11. Title: A switching control scheme for the synchronization of serially connected multi-stage system**

**Author:**[Lu, Di](#)

([Harbin University of Science and Technology](#)); [Shen, Tielong](#); [Fu, Minyue](#) **Source:** *Proceedings of the 26th Chinese Control Conference, CCC 2007, Proceedings of the 26th Chinese Control Conference, CCC 2007*, 2007, p 632-636

**Database:** Compendex

**12. Title: Review, thinking and countermeasure about engineering dielectric theory**

**Author:**[Lei, Qing-Quan](#)

(College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#));

[Wang, Xuan](#); [He, Li-Juan](#); [Zhang, Dong](#); [Han, Bai](#); [Song, Wei](#); [Sun, Zhi](#)

**Source:** *Gaodiyana Jishu/High Voltage Engineering*, v 33, n 12, December, 2007, p 1-4

**Language:** Chinese

**Database:** Compendex

**13. Title:**High photorefractive gain of Cu, Mn co-doped potassium lithium niobate crystal

**Author:**[Liu, Bo](#)

(School of Chemistry and Environment Engineering, [Harbin University of Science and Technology](#)); [Bi, Jiancong](#); [Liu, Zhenhong](#)

**Source:** *Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society*, v 35, n 4, April, 2007, p 395-398 **Language:** Chinese

**Database:** Compendex

**14. Title:**Analysis of the effects of compressive stresses on fatigue crack propagation rate

**Author:**[Zhang, J.](#)

(School of Mechanical and Power Engineering, [Harbin University of Science and Technology](#)); [He, X.D.](#); [Du, S.Y.](#)

**Source:** *International Journal of Fatigue*, v 29, n 9-11, September/November, 2007, p 1751-1756

**Database:** Compendex

**15. Title:**Electrode preparation and electro-deformation of Ionic Polymer-metal Composite (IPMC)

**Author:**[Yujun, Zhang](#)

(School of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Chunxiu, Ma.](#); [Lijun, Dai](#)

**Source:** *Proceedings of the 2nd IEEE International Conference on Nano/Micro Engineered and Molecular Systems, IEEE NEMS 2007, Proceedings of the 2nd IEEE International Conference on Nano/Micro Engineered and Molecular Systems, IEEE NEMS 2007*, 2007, p 68-71

**Database:** Compendex

**16. Title:**A new transaction processing model based on optimistic concurrency control

**Author:**[Wang, Peidong](#)

(Department of Computer Science and Technology, [Harbin University of Science and Technology](#)); [Duan Jr., Xiping](#)

**Source:** *Fourth International Conference on Information Technology and Applications, ICITA 2007, Fourth International Conference on Information Technology and Applications, ICITA 2007*, 2007, p 505-510

**Database:** Compendex

**17. Title:**A study of the method for intermittency test of Empirical mode decomposition

**Author:**[Song, Lixin](#)

(Department of Electronic and Information Engineering, [Harbin University of Science and Technology](#)); [Wang, Qi](#); [Wang, Yujing](#); [Yan, Jian](#)

**Source:** *Fourth International Conference on Information Technology and Applications, ICITA 2007, Fourth International Conference on Information Technology and Applications, ICITA 2007*, 2007, p 662-665

**Database:** Compendex

**18. Title:**Image segmentation based on color clustering in varying illuminations

**Author:**[Wang, Yan-Qing](#)

(School of Computer Science and Technology, [Harbin University of Science and Technology](#));

[Shi, Chao-Xia](#); [Chen, De-Yun](#)

**Source:** *Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology*, v 39, n SUPPL. 1, June, 2007, p 377-380 **Language:** Chinese

**Database:** Compendex

**19. Title:**Operation for cardinal direction relations of MBR-based

**Author:**[Liu, Yong-Shan](#)

(School of Computer, [Harbin University of Science and Technology](#)); [Hao, Zhong-Xiao](#)

**Source:** *Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology*, v 39, n 11, November, 2007, p 1796-1798 **Language:** Chinese

**Database:** Compendex

**20. Title:**Research and experiment verification of influence of magnetic isolated segment on leakage reactance in submersible motor

**Author:**[Meng, Da-Wei](#)

(College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#));

[Xu, Yong-Ming](#); [Liu, Yu-Lei](#); [Wen, Jia-Bin](#); [Liu, Cheng](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 6, November, 2007, p 625-627 **Language:** Chinese

**Database:** Compendex

**21. Title:**Development of high frequency and high voltage AC power supply

**Author:**[Lan, Bo](#)

(School of Electric and Electronic Engineering, [Harbin University of Science Technology](#)); [Yang,](#)

[Jia-Xiang](#); [Wang, Xin-Zhang](#); [Zhou, Li-Zhu](#); [Zhang, Xiao-Hua](#) **Source:** *Gaodianya Jishu/High*

*Voltage Engineering*, v 33, n 12, December, 2007, p 183-186 **Language:** Chinese

**Database:** Compendex

**22. Title:**Surface roughness experiment and prediction in the hard turning of hardened bearing steel GCr15 using PCBN cutting tools

**Author:**[Chen, Tao](#)

([Harbin University of Science and Technology](#)); [Liu, Xianli](#)

**Source:** *Zhongguo Jixie Gongcheng/China Mechanical Engineering*, v 18, n 24, Dec 25, 2007, p 2973-2976 **Language:** Chinese

**Database:** Compendex

**23. Title:**Dielectric parameters of non-linear insulating materials and their measurements

**Author:**[Rong, Xia](#)

(Collage of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#));

[Hengying, Xv](#); [Zhonghua, Li](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 984-988

**Database:** Compendex

**24. Title:**Theoretical analysis of hi-tech industry's policy-making

**Author:**[Qi, Liang-Qun](#)

([Harbin University of Science and Technology](#)); [Yu, Peng-Tian](#) **Source:** *Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th), Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th)*, 2007, p 1902-1906

**Database:** Compendex

**25. Title:**Normalization of temporal scheme with respect to temporal multivalued dependency with multiple time granularities

**Author:**[Hao, Zhongxiao](#)

(College of Computer and Control, [Harbin University of Science and Technology](#)); [Li, Yanjuan](#)

**Source:** *Jisuanji Yanjiu yu Fazhan/Computer Research and Development*, v 44, n 5, May, 2007, p 853-859 **Language:** Chinese

**Database:** Compendex

**26. Title:**Study on corrosion resistance of VC<sub>p</sub>/Fe composites

**Author:**[Yao, Xiu-Rong](#)

(College of Material Science and Engineering, [Harbin University of Science and Technology](#));

[Yang, Chuan-Sheng](#); [Liu, Zhao-Jing](#); [Gao, Yue-Gang](#); [Ren, Shan-Zhi](#); [Li, Feng-Zhen](#); [Zuo, Feng](#)

**Source:** *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 15, n 1, February, 2007, p 145-148 **Language:** Chinese

**Database:** Compendex

**27. Title:**Theoretical studies on the reactions  $\text{Cl} + \text{CH}_3\text{COCCl}_2\text{X}$  (X = F, Cl, Br)

**Author:**[Zhang, Hui](#)

(College of Chemical and Environmental Engineering, [Harbin University of Science and](#)

[Technology](#)); [Zhang, Gui-ling](#); [Liu, Jing-yao](#); [Sun, Miao](#); [Liu, Bo](#); [Li, Ze-sheng](#)

**Source:** *Chemical Physics Letters*, v 442, n 4-6, Jul 17, 2007, p 187-193

**Database:** Compendex

**28. Title:**Edge detection of one-dimension image on multi-scale compress derivation

**Author:**[Lin, Ke-Zheng](#)

(School of Computer Science and Technology, [Harbin University of Science and Technology](#));

[Shi, Jing](#); [Zhao, Hong](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 3, May, 2007, p 287-290+297 **Language:** Chinese

**Database:** Compendex

**29. Title:**Spool displacement control system of proportional valve based on digital observer

**Author:**[Kong, Xiang-Bing](#)

(College of Automation Engineering, [Harbin University of Science and Technology](#)); [Wang,](#)

[Hai-Ying](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 4, July, 2007, p 408-411 **Language:** Chinese

**Database:** Compendex

**30. Title:**Flow regime identification for oil/water two flows electrical resistance tomography system

**Author:**[Chen, De-Yun](#)

- (College of Computer Science and Technology, [Harbin University of Science and Technology](#));  
[Zhang, Hua](#); [Zhu, Bo](#); [Yu, Xiao-Yang](#); [Zhang, Jian-Pei](#)  
**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 6, November, 2007, p 639-643 **Language:** Chinese  
**Database:** Compendex
- 31. Title:**Method for confirming increasable bottleneck device based on study of parallel operation  
**Author:**[Xie, Zhiqiang](#)  
(College of Computer Science and Technology, [Harbin University of Science and Technology](#));  
[Liu, Yong](#); [Ye, Guangjie](#); [Tan, Guangyu](#)  
**Source:** *Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2007, Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2007*, 2007, p 3084-3088  
**Database:** Compendex
- 32. Title:**Study on anti-tracking properties of unsaturated polyester resin SMC  
**Author:**[Zhang, Yu-Jun](#)  
(Department of Material Science and Engineering, [Harbin University of Science and Technology](#)); [Dai, Li-Jun](#); [Wang, Yan](#); [Li, Feng-Fu](#); [Jin, Zhen-Hao](#)  
**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 861-864  
**Database:** Compendex
- 33. Title:**Transition control between two tele-teaching points based on force sensing in remote welding  
**Author:**[Liu, Li-Jun](#)  
(School of Material Science and Engineering, [Harbin University of Science and Technology](#));  
[Gao, Hong-Ming](#); [Wu, Lin](#)  
**Source:** *Hanjie Xuebao/Transactions of the China Welding Institution*, v 28, n 1, January, 2007, p 57-60 **Language:** Chinese  
**Database:** Compendex
- 34. Title:**Research and application of vertexes radial algorithm for sector-annularity parts  
**Author:**[Guo, Wen-Lan](#)  
(Computer Science and Technology College, [Harbin University of Science and Technology](#))  
**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 4, July, 2007, p 425-428 **Language:** Chinese  
**Database:** Compendex
- 35. Title:**Effective profit allocation in supply chain equilibrium  
**Author:**[Teng, Chun-Xian](#) (Systems Engineering Research Institute, [Harbin University of Science and Technology](#)); [Pan, Xiao-Dong](#)  
**Source:** *Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University*, v 28, n 7, July, 2007, p 818-821 **Language:** Chinese  
**Database:** Compendex
- 36. Title:**Water-jet cutting system based on phased intensifier  
**Author:**[Sun, Xiaobo](#) (Department of Automation, [Harbin University of Science and](#)

Technology); [Wang, Haiying](#); [Kong, Xiangbing](#); [Cui, Yue](#)

**Source:** *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications, ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, 2007, p 1053-1057

**Database:** Compendex

**37. Title: Well-dispersed ceria-promoted sulfated zirconia supported on mesoporous silica**

**Author:** [Guo, Yingkui](#) (School of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Dong, Zuowei](#)

**Source:** *Catalysis Letters*, v 119, n 1-2, November, 2007, p 120-125

**Database:** Compendex

**38. Title: Virtual prototyping collaborative simulation of thermal control shutter mechanism**

**Author:** [Lai, Yi-Nan](#) (School of Mechanical and Power Engineering, [Harbin University of Science and Technology](#)); [Tian, Hao](#); [Liu, Xian-Li](#)

**Source:** *Xitong Fangzhen Xuebao / Journal of System Simulation*, v 19, n 22, Nov 20, 2007, p 5194-5197 **Language:** Chinese

**Database:** Compendex

**39. Title: Optimizing direct-control technology of green sand quality based on the method of fast testing ingredients**

**Author:** [Dong, Jingwei](#) ([Harbin University of Science and Technology](#)); [Li, Dayong](#); [Shi, Dequan](#)

**Source:** *Zhongguo Jixie Gongcheng/China Mechanical Engineering*, v 18, n 22, Nov 25, 2007, p 2700-2704 **Language:** Chinese

**Database:** Compendex

**40. Title: Spacer flashover in SF<sub>6</sub> under steep-fronted impulse voltages**

**Author:** [Qingguo, Chen](#) (School of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Yonghong, Wang](#); [Xinlao, Wei](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 739-742

**Database:** Compendex

**41. Title: Dielectric parameters of non-linear insulating materials and their measurements**

**Author:** [Rong, Xia](#) (Collage of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Hengyong, Xv](#); [Zhonghua, Li](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 743-746

**Database:** Compendex

**42. Title: The effect of basic resins on conductivity properties of the polyethylene and carborundum composite**

**Author:** [Wen, Min Guo](#) (Collage of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Bao, Zhong Han](#); [Huan, Zheng](#); [Zhong, Hua Li](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 747-750

**Database:** Compendex

- 43. Title:**The electrical pre- stress effect on field dependent conductivity of the polyethylene and carborundum composite

**Author:**[Chang, Ming Li](#) (Collage of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Wen, Min Guo](#); [Bao, Zhong Han](#); [Zhong, Hu Li](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 751-754

**Database:** Compendex

- 44. Title:**Conduction current characteristics of nano-inorganic composite polyimide films

**Author:**[Zhang, Peihong](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Li, Gang](#); [Gai, Lingyun](#); [Lei, Qingquan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 755-758

**Database:** Compendex

- 45. Title:**Morphology changes of both corona aged original and nano-inorganic hybrid polyimide films characterized by SEM

**Author:**[Zhang, Peihong](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Gai, Lingyun](#); [Li, Gang](#); [Lei, Qingquan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 882-884

**Database:** Compendex

- 46. Title:**Study of CMOS integrated signal processing circuit in capacitive sensors

**Author:**[Cao, Yi-Jiang](#) (Dept. of Electronic Science and Technology, College of Applied Science, [Harbin University of Science and Technology](#)); [Yu, Xiang](#); [Wang, Lei](#)

**Source:** *Journal of Harbin Institute of Technology (New Series)*, v 14, n 2, April, 2007, p 224-228

**Database:** Compendex

- 47. Title:**Research on heating density function and temperature field mathematical model for milling insert with 3D complex groove

**Author:**[Li, Z.J.](#) (Mechanical Engineering, [Harbin University of Science and Technology](#)); [Cheng, Y.N.](#); [Wang, Y.B.](#); [Zhao, Y.G.](#)

**Source:** *Key Engineering Materials*, v 329, 2007, p 669-674

**Database:** Compendex

- 48. Title:**Finite-element analysis of field distribution and characteristic performance of squirrel-cage induction motor with broken bars

**Author:**[Li, Weili](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Xie, Ying](#); [Shen, Jiafeng](#); [Luo, Yingli](#)

**Source:** *IEEE Transactions on Magnetics*, v 43, n 4, April, 2007, p 1537-1540

**Database:** Compendex

- 49. Title:**Design of a water level control system for the drum of a PID parameter and self-tuning boiler based on chaotic theory



**Author:**[Lu, Ning](#) (College of Automation, [Harbin University of Science and Technology](#)); [Ji, Qiu-Yun](#); [Xia, Zeng-Gang](#)

**Source:** *Reneng Dongli Gongcheng/Journal of Engineering for Thermal Energy and Power*, v 22, n 3, May, 2007, p 314-316 **Language:** Chinese

**Database:** Compendex

**50. Title:Design of embedded cruise control system**

**Author:**[Han, Jian-Hui](#) (School of Computer Science and Technology, [Harbin University of Science and Technology](#))

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 3, May, 2007, p 306-309 **Language:** Chinese

**Database:** Compendex

**51. Title:Hybrid genetic algorithm for job shop problems**

**Author:**[Qiao, Pei-Li](#) (School of Computer Science and Technology, [Harbin University of Science and Technology](#)); [Zhang, Hong-Fang](#); [Li, Xiao-Ping](#); [Gao, Xiang](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 3, May, 2007, p 310-314 **Language:** Chinese

**Database:** Compendex

**52. Title:Availability optimization design of series-parallel system**

**Author:**[Sun, Yong-Guo](#) (School of Mechanical and Communication Engineering, [Harbin University of Science and Technology](#)); [Sun, Yong-Quan](#); [Guo, Jian-Ying](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 3, May, 2007, p 315-317+320 **Language:** Chinese

**Database:** Compendex

**53. Title:Holographic storage properties of Mg:Mn:Fe:LiNbO<sub>3</sub> crystals**

**Author:**[Zheng, Wei](#) (College of Material Science and Engineering, [Harbin University of Science and Technology](#)); [Gui, Qiang](#); [Xu, Yuheng](#); [Lei, Qingquan](#)

**Source:** *Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society*, v 35, n 8, August, 2007, p 1013-1016 **Language:** Chinese

**Database:** Compendex

**54. Title:Optimization design for dexterous-hand of mobile robot**

**Author:**[Wang, Hai-Ying](#) (School of Automation, [Harbin University of Science and Technology](#)); [You, Bo](#); [Sun, Xiao-Bo](#); [Zhang, Li-Yong](#)

**Source:** *Shiyou Huagong Gaodeng Xuexiao Xuebao/Journal of Petrochemical Universities*, v 20, n 3, September, 2007, p 5-7 **Language:** Chinese

**Database:** Compendex

**55. Title:The CAD/CAM system of FRP pipes**

**Author:**[Xu, Jiazhong](#) (College of Automation, [Harbin University of Science and Technology](#)); [You, Bo](#); [Jia, Deli](#); [Li, Dongjie](#)

**Source:** *2006 Chinese Control Conference Proceedings, CCC 2006, 2006 Chinese Control Conference Proceedings, CCC 2006*, 2007, p 1346-1351 **Language:** Chinese

**Database:** Compendex

**56. Title:Hybrid tabu algorithm for flow shop scheduling problems**

**Author:**[Qiao, Pei-Li](#) (School of Computer Science and Technology, [Harbin University of Science and Technology](#)); [Han, Feng](#); [Zhang, Hong-Fang](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 6, November, 2007, p 672-675 **Language:** Chinese

**Database:** Compendex

**57. Title:**A subjective evaluation method for human-computer interaction interface design based on grey theory

**Author:**[Yan, Shengyuan](#) (Instrument Science and Technology Postdoctoral Workstation, Harbin University of Science and Technology, Harbin Engineering University); [Zhang, Zhijian](#); [Peng, Minjun](#); [Yang, Ming](#)

**Source:** *CIMCA 2006: International Conference on Computational Intelligence for Modelling, Control and Automation, Jointly with IAWTIC 2006: International Conference on Intelligent Agents Web Technologies ...*, CIMCA 2006: International Conference on Computational Intelligence for Modelling, Control and Automation, Jointly with IAWTIC 2006: International Conference on Intelligent Agents Web Technologies ..., 2007, p 4052835

**Database:** Compendex

**58. Title:**Preparation of TaON and degradation of phenol under visible light

**Author:**[Sun, Xiao-Jun](#) (School of Chemical and Environmental Engineering, Harbin University of Science and Technology); [Wang, Fang](#); [Wei, Jin-Zhi](#); [Bai, Gang](#); [Liu, Nan](#)

**Source:** *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 15, n 6, December, 2007, p 801-804 **Language:** Chinese

**Database:** Compendex

**59. Title:**Bilevel linear programming model of charging for effluent based on price control

**Author:**[Li, Yu-Hua](#) (College of Economics and Management, Harbin University of Science and Technology); [Li, Lei](#); [Hu, Yun-Quan](#); [Shao, Hai-Hong](#)

**Source:** *Journal of Harbin Institute of Technology (New Series)*, v 14, n 2, April, 2007, p 292-296

**Database:** Compendex

**60. Title:**Effect of water on sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) removal from flue gas in a direct current corona discharge reactor

**Author:**[Yang, Jiexiang](#) (Harbin University of Science and Technology); [Chi, Xiaochun](#); [Dong, Limin](#)

**Source:** *Journal of Applied Physics*, v 101, n 10, 2007, p 103304

**Database:** Compendex

**61. Title:**Synthesis of green-emitting phosphor Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>: Tb, Ce, Gd by sol-gel method

**Author:**[Dong, Li-Min](#) (College of Materials Science and Engineering, Harbin University of Science and Technology); [Han, Zhi-Dong](#); [Wu, Ze](#); [Zhang, Xian-You](#)

**Source:** *Key Engineering Materials*, v 336-338 I, 2007, p 610-612

**Database:** Compendex

**62. Title:**Effect of holding time on thixotropic fluidity of semi-solid AZ91D magnesium alloy

**Author:**[Ji, Zesheng](#) (College of Material Science and Engineering, Harbin University of Science and Technology); [Hu, Maoliang](#); [Zheng, Xiaoping](#)

**Source:** *Journal of Materials Science and Technology*, v 23, n 2, March, 2007, p 247-252

**Database:** Compendex

**63. Title:**Circuits model of transformer for direct analysis and calculation

**Author:**[Fang, Guo-Zhi](#) (School of Measure-control Technology and Communication

Engineering, [Harbin University of Science and Technology](#)); [Song, Guo-Yi](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 3, May, 2007, p 318-320 **Language:** Chinese

**Database:** Compendex

- 64. Title:**The contrasting and statistics of spreading area data in soldering wettability  
**Author:**[Gongge, Meng](#) (School of Material Science and Engineering, [Harbin University of Science and Technology](#)); [Takemoto, Tadashi](#); [Nishikawa, Hiroshi](#)  
**Source:** *2006 7th International Conference on Electronics Packaging Technology, ICEPT '06, 2006 7th International Conference on Electronics Packaging Technology, ICEPT '06*, 2007, p 4198856  
**Database:** Compendex
- 65. Title:**3D motion simulation of a humanoid robot face  
**Author:**[Zhang, Yong-De](#) (Intelligent Machine Institute, [Harbin University of Science and Technology](#)); [Zhou, Xu-Lei](#)  
**Source:** *Jiqiren/Robot*, v 29, n 6, November, 2007, p 563-568 **Language:** Chinese  
**Database:** Compendex
- 66. Title:**Study on multi-commodity flow supply chain network equilibrium model with random demand  
**Author:**[Teng, Chun-Xian](#) (Institute of Systems Engineering, [Harbin University of Science and Technology](#)); [Yao, Feng-Min](#); [Hu, Xian-Wu](#)  
**Source:** *Xitong Gongcheng Lilun yu Shijian/System Engineering Theory and Practice*, v 27, n 10, October, 2007, p 77-83 **Language:** Chinese  
**Database:** Compendex
- 67. Title:**Real-coded quantum evolutionary algorithm for complex functions with high-dimension  
**Author:**[Zhang, Rui](#) (School of Automation, [Harbin University of Science and Technology](#)); [Gao, Hui](#)  
**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007*, 2007, p 2974-2979  
**Database:** Compendex
- 68. Title:**Study on job shop scheduling with many function-same machines  
**Author:**[Zhiqiang, Xie](#) (College of Computer Science and Technology, [Harbin University of Science and Technology](#)); [Guangjie, Ye](#); [Yong, Liu](#); [Guangyu, Tan](#)  
**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007*, 2007, p 1278-1282  
**Database:** Compendex
- 69. Title:**Extracting algorithm and experimental study for PD signals based on MRA  
**Author:**[Zhao, Da-Wei](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Zheng, Dian-Chun](#); [Bai, Shao-Zuo](#)  
**Source:** *Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University*, v 28, n 12, December, 2007, p 1377-1381 **Language:** Chinese  
**Database:** Compendex

- 70. Title:**Robust  $H_{\infty}$  control of uncertain sampled -data systems with poles constraint based on state observer  
**Author:**[Wu, Junfeng](#) (Department of Automation, [Harbin University of Science and Technology](#)); [Dong, Lizhi](#); [Jing, Mingbo](#)  
**Source:** *Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2007, Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2007, 2007*, p 394-398  
**Database:** Compendex
- 71. Title:**Medical image segmentation by geodesic active contour incorporating region statistical information  
**Author:**[Liu, Changzheng](#) ([Harbin University of Science and Technology](#), School of Computer); [Ma, Junlin](#); [Ye, Guiyun](#)  
**Source:** *Proceedings - Fourth International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2007*, v 3, *Proceedings - Fourth International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2007, 2007*, p 63-67  
**Database:** Compendex
- 72. Title:**Synthesis and characterization of poly(N-vinyl carbazole) containing (p-nitrophenyl) azo  
**Author:**[Zhang, Wen-Long](#) (College of Electrical and Electronic Eng., [Harbin University of Science and Technology](#)); [Zhao, Hong](#); [Wang, Xuan](#); [Wen, Yu-Ping](#); [Bai, Yong-Ping](#)  
**Source:** *Gaofenzi Cailiao Kexue Yu Gongcheng/Polymeric Materials Science and Engineering*, v 23, n 1, January, 2007, p 80-83 **Language:** Chinese  
**Database:** Compendex
- 73. Title:**Theoretical study on the  $\text{Br} + \text{CH}_3\text{SCH}_3$  reaction  
**Author:**[Zhang, Hui](#) (College of Chemical and Environmental Engineering, [Harbin University of Science and Technology](#)); [Zhang, Gui-Ling](#); [Wang, Li](#); [Liu, Bo](#); [Yu, Xiao-Yang](#); [Li, Ze-Sheng](#)  
**Source:** *Journal of Computational Chemistry*, v 28, n 7, May, 2007, p 1153-1159  
**Database:** Compendex
- 74. Title:**Experimental study on control strategy of cobot micro operation force hoisting system  
**Author:**[Dong, Yuhong](#) (School of Mechanical and Power Engineering, [Harbin University of Science and Technology](#)); [Zhang, Lixun](#); [Liu, Yapeng](#)  
**Source:** *Gaojishu Tongxin/Chinese High Technology Letters*, v 17, n 5, May, 2007, p 493-497  
**Language:** Chinese  
**Database:** Compendex
- 75. Title:**Effect of interactions among coating components on slag detach-ability of stainless steel electrode  
**Author:**[Yang, Tuoyu](#) (School of Material Science and Engineering, [Harbin University of Science and Technology](#)); [Meng, Gongge](#); [Yang, Deyun](#); [Chen, Leida](#)  
**Source:** *Hanjie Xuebao/Transactions of the China Welding Institution*, v 28, n 5, May, 2007, p 85-88 **Language:** Chinese  
**Database:** Compendex
- 76. Title:**Effect of geometry factors on heat transfer of rotor's cooling duct of large turbo

**generator with air-coolant**

**Author:**[Lu, Yi-Ping](#) (Harbin University of Science and Technology); [Ma, Xian-Hao](#); [Li, Wei-Li](#)

**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 17, Jun 15, 2007, p 61-66 **Language:** Chinese

**Database:** Compendex

**78. Title:Study on the slag detachability of stainless steel electrode based on uniform design method**

**Author:**[Meng, Gong-Ge](#) (School of Material Science and Engineering, Harbin University of Science and Technology); [Li, Ping](#); [Gu, Feng](#); [Li, Dan](#)

**Source:** *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 15, n 4, August, 2007, p 500-502 **Language:** Chinese

**Database:** Compendex

**79. Title:Numerical simulation of creep strain of PBGA solders under thermal cycling**

**Author:**[Sun, F.L.](#) (Material Science and Engineering College, Harbin University of Science and Technology); [Liu, Y.](#); [Wang, L.F.](#)

**Source:** *EuroSime 2007: International Conference on Thermal, Mechanical and Multi-Physics Simulation Experiments in Microelectronics and Micro-Systems, 2007, EuroSime 2007: International Conference on Thermal, Mechanical and Multi-Physics Simulation Experiments in Microelectronics and Micro-Systems, 2007*, 2007, p 4201217

**Database:** Compendex

**80. Title:On the compactly locally uniformly rotund points of Orlicz spaces**

**Author:**[Chen, Lili](#) (Department of Mathematics, Harbin University of Science and Technology); [Cui, Yunan](#)

**Source:** *Proceedings of the Indian Academy of Sciences: Mathematical Sciences*, v 117, n 4, November, 2007, p 471-483

**Database:** Compendex

**81. Title:Study on supply chain coordination under buy-back contract and markdown money contract**

**Author:**[Zhang, Tie-Zhu](#) (School of Management, Harbin University of Science and Technology); [Chen, Hong-Yan](#)

**Source:** *Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th), Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th)*, 2007, p 668-673

**Database:** Compendex

**82. Title:Optimal profits sharing tactics between partners of a high-tech virtual enterprise based on stackelberg game**

**Author:**[Gao, Chang-Yuan](#) (School of Economy and Management, Harbin University of Science and Technology); [Liu, Song](#)

**Source:** *Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th), Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th)*, 2007, p 1934-1938

**Database:** Compendex

**83. Title:Numerical calculation of end region of large air-cooled turbogenerator**

**Author:**[Liang, Yan-Ping](#) (Harbin University of Science and Technology); [Huang, Hao](#); [Li, Lin-He](#); [Ma, Xian-Hao](#)

**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 3, Jan 25, 2007, p 73-77 **Language:** Chinese

**Database:** Compendex

- 84. Title:**Study on trap states in polyvinylcarbazole by thermally stimulated current spectrum

**Author:**[He, Lijuan](#) (Harbin University of Science and Technology); [Wang, Ximing](#); [Zhang, Wenlong](#); [Wang, Xuan](#)

**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 I, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65950U

**Database:** Compendex

- 85. Title:**FPGA implementation of the vector-controlled speed servo system

**Author:**[Yan, Jing-Bin](#) (Electric and Electronic Engineering College, Harbin University of Science and Technology); [Liu, Jia-Hui](#); [Xie, Jin-Bao](#); [Yang, Gui-Jie](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 1, January, 2007, p 17-20 **Language:** Chinese

**Database:** Compendex

- 86. Title:**Study on virtual evaluation of human-machine interface in multi-meters comprehensive display system

**Author:**[Yan, Sheng-Yuan](#) (Instrument Science and Technology Postdoctoral Workstation, Harbin University of Science and Technology); [Yu, Xiao-Yang](#); [Zhang, Zhi-Jian](#); [Peng, Min-Jun](#); [Yang, Ming](#)

**Source:** *Xitong Fangzhen Xuebao / Journal of System Simulation*, v 19, n 12, Jun 20, 2007, p 2720-2722+2726 **Language:** Chinese

**Database:** Compendex

- 87. Title:**Design and simulation of quartz tuning fork temperature sensor

**Author:**[Xu, Jun](#) (College of Automation, Harbin University of Science and Technology); [You, Bo](#); [Li, Xin](#)

**Source:** *Proceedings of the International Conference on Integration and Commercialization of Micro and Nanosystems 2007*, v A, *Proceedings of the International Conference on Integration and Commercialization of Micro and Nanosystems 2007*, 2007, p 115-121

**Database:** Compendex

- 88. Title:**The study on image data acquisition system for electrical capacitance tomography system

**Author:**[Li, Yan](#) (Harbin University of Science and Technology); [Jin, Tianbo](#); [Meng, Xiaoying](#); [Chen, Deyun](#); [Zhang, Liyong](#)

**Source:** *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, 2007, p 1635-1638

**Database:** Compendex

- 89. Title:**Microstructure and melting property of Sn-2.5Ag-0.7Cu-XGe solder

**Author:**[Meng, Gongge](#) (School of Material Science and Engineering, Harbin University of Science and Technology); [Yang, Tuoyu](#); [Chen, Leida](#)

**Source:** *Hanjie Xuebao/Transactions of the China Welding Institution*, v 28, n 10, October, 2007, p 65-68 **Language:** Chinese

**Database:** Compendex

- 90. Title: Research of software user interface evaluation method based on subjective expectation**

**Author:** [Shengyuan, Yan](#) (Instrument Science and Technology Postdoctoral Workstation, Harbin University of Science and Technology); [Xiaoyang, Yu](#); [Hongguo, Zhang](#); [Zhijian, Zhang](#); [Minjun, Peng](#); [Shanling, Wang](#)

**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007*, 2007, p 3190-3195

**Database:** Compendex

- 91. Title: Influence of diffusion bonding for superplasticity magnesium alloys with the fore and post treatment**

**Author:** [Yu, Y.D.](#) (School of Materials Science and Engineering, Harbin Science and Technology University); [Wang, C.W.](#)

**Source:** *Materials Science Forum*, v 551-552, *Superplasticity in Advanced Materials - ICSAM 2006 - Proceedings of the 9th International Conference on Superplasticity in Advanced Materials*, 2007, p 169-172

**Database:** Compendex

- 92. Title: Weld fume quantity and emission rate of new slag system basic electrode**

**Author:** [Meng, Gongge](#) (Harbin University of Science and Technology); [Jin, Longhao](#); [Zhao, Guohua](#); [Yang, Tuoyu](#)

**Source:** *Hanjie Xuebao/Transactions of the China Welding Institution*, v 28, n 6, June, 2007, p 77-80 **Language:** Chinese

**Database:** Compendex

- 93. Title: Stator-rotor coupled thermal field numerical calculation of induction motors and correlated factors sensitivity analysis**

**Author:** [Li, Wei-Li](#) (College of Electrical and Electronic Engineering, Harbin University of Science and Technology); [Li, Shou-Fa](#); [Xie, Ying](#); [Ding, Shu-Ye](#)

**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 24, Aug 25, 2007, p 85-91 **Language:** Chinese

**Database:** Compendex

- 94. Title: Heart rate variation signal analysis based on Hilbert-Huang transformation**

**Author:** [Song, Li-Xin](#) (School of Electrical and Electronic Engineering, Harbin University of Science and Technology); [Wang, Yu-Jing](#); [Wang, Qi](#)

**Source:** *Zhendong yu Chongji/Journal of Vibration and Shock*, v 26, n 10, October, 2007, p 30-34 **Language:** Chinese

**Database:** Compendex

- 95. Title: A fuzzy neural network control system based on embedded system**

**Author:** [Xiaoying, Meng](#) (Department of Computer Science and Technology, Harbin University of Science and Technology); [Yuening, Tang](#); [Yan, Li](#); [Jia, He](#)

**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on*

*Mechatronics and Automation, ICMA 2007*, 2007, p 2394-2398

**Database:** Compendex

- 96. Title:Photorefractive Properties of Potassium Lithium Niobate Crystals with CeO<sub>2</sub> and Nd<sub>2</sub>O<sub>3</sub>**

**Author:**[Bo, Liu](#) (School of Chemistry and Environment Engineering, [Harbin University of Science and Technology](#)); [Jiancong, Bi](#); [Zhenhong, Liu](#); [Liang, Sun](#)

**Source:** *Journal of Rare Earths*, v 25, n 5, October, 2007, p 643-646

**Database:** Compendex

- 97. Title:Control system simulation of shutter mechanism by thermal control on XX secondary satellite**

**Author:**[Lai, Yi-Nan](#) (School of Mechanical and Power Engineering, [Harbin University of Science and Technology](#)); [Yang, Lan-Yu](#); [Tian, Hao](#)

**Source:** *Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, ICMLC 2007*, v 2, *Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, ICMLC 2007*, 2007, p 700-704

**Database:** Compendex

- 98. Title:Fiber fabry-perot sensors based acoustic detection of partial discharges in power transformers**

**Author:**[Li, Min](#) (Institute of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Zhao, Hong](#); [Zhang, Jian](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 254-257

**Database:** Compendex

- 99. Title:The luminous characteristics of the SF<sub>6</sub> gap and spacer stressed by FOI and LI**

**Author:**[Chen, Qingguo](#) (School of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Wang, Yonghong](#); [Wei, Xinlao](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 510-513

**Database:** Compendex

- 100. Title:Influence of composition ratio on the nonlinear optical properties of AgGa<sub>1-x</sub>In<sub>x</sub>Se<sub>2</sub> and Hg<sub>1-x</sub>Cd<sub>x</sub>Ga<sub>2</sub>S<sub>4</sub>**

**Author:**[Ji, Guangju](#) ([Harbin University of Science and Technology](#)); [Shen, Tao](#); [Huang, Jinjer](#); [Zhao, Bo](#); [Andreev, Yu.M.](#); [Atuchin, V.V.](#); [Lanskiy, Gregory](#)

**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 I, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 659514

**Database:** Compendex

- 101. Title:Study on catalytic mechanism and crosslinking kinetics of a silane grafting with polyethylenes**

**Author:**[Li, Chang-Ming](#) (School of Electric and Electronic Engineering, [Harbin University of Science and Technology](#)); [Ma, Yan](#); [Lu, Zu-Shun](#); [Han, Bao-Zhong](#)

**Source:** *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 15, n 2, April, 2007, p 237-240 **Language:** Chinese



Database: Compendex

- 102. Title:SEM poles extracting from the transient response of electromagnetic pulse coupling through aperture**

**Author:**[Yan, Zhe](#) (Electrical and Electronic Engineering College, [Harbin University of Science and Technology](#)); [Wang, Wei-Bing](#); [Yang, Xin](#); [Yang, Jia-Xiang](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 1, January, 2007, p 37-40+44 **Language:** Chinese

Database: Compendex

- 103. Title:CAD/CAM system for spatial curved surface in wire cut electronic discharge machining**

**Author:**[Ren, Fujun](#) (College of Mechanical and Power Engineering, [Harbin University of Science and Technology](#)); [Jiang, Yongcheng](#)

**Source:** *Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering*, v 43, n 5, May, 2007, p 214-218 **Language:** Chinese

Database: Compendex

- 104. Title:Dynamic performance evaluation method based on SD-BSC**

**Author:**[Teng, Chun-Xian](#) (System Engineering Research Institute, [Harbin University of Science and Technology](#)); [Pan, Xiao-Dong](#); [Hu, Xian-Wu](#)

**Source:** *Journal of Harbin Institute of Technology (New Series)*, v 14, n 3, June, 2007, p 398-403

Database: Compendex

- 105. Title:Development of a PZT power supply with quick response based on PA78**

**Author:**[Zhang, Zhen-Peng](#) (Dept. of Electric and electronic Engineering, [Harbin University of Science and Technology](#)); [Zhang, Jian](#); [Zhao, Hong](#); [Yu, Xiao-Yu](#)

**Source:** *Yadian Yu Shengguang/Piezoelectrics and Acoustooptics*, v 29, n 4, August, 2007, p 420-422 **Language:** Chinese

Database: Compendex

- 106. Title:Development of quartz resonant temperature sensor**

**Author:**[Zhong, Weifeng](#) (College of Automation, [Harbin University of Science and Technology](#)); [Li, Ruijie](#); [Wang, Dejun](#); [Li, Xue](#); [Hu, Lihua](#)

**Source:** *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications, ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, 2007, p 1155-1158

Database: Compendex

- 107. Title:Study of rotating speed measurement system based on light-sensitive Z-element**

**Author:**[Cao, Yi-Jiang](#) (Coll. of Applied Sci., [Harbin University of Science and Technology](#)); [Liu, Xiao-Wei](#); [Ma, Zhao-Ming](#)

**Source:** *Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology*, v 39, n 8, August, 2007, p 1334-1336 **Language:** Chinese

Database: Compendex

- 108. Title:Microscopic morphology and microstructure of phases between dilution zone and clad zone in laser remelting NiCrBSi/TiN layer**

**Author:**[Liu, Rong-Xiang](#) (College of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Ji, Ze-Sheng](#)

**Source:** *Zhongguo Jiguang/Chinese Journal of Lasers*, v 34, n 9, September, 2007, p 1292-1296 **Language:** Chinese

**Database:** Compendex

**109. Title:**Hierarchical fuzzy control of nonlinear blending system

**Author:**[Zhong, Ming Luo](#) (School of Measurement Control Tech and Communications Engineering, [Harbin University of Science and Technology](#)); [Di, Lu](#); [Fang, Yan Dong](#); [Kaoru, Hirota](#)

**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007*, 2007, p 3061-3065

**Database:** Compendex

**110. Title:**Output feedback control of unstable nonminimum phase systems

**Author:**[Wang, Weibing](#) (College of Computer Science and Technology, [Harbin University of Science and Technology](#))

**Source:** *2006 Chinese Control Conference Proceedings, CCC 2006, 2006 Chinese Control Conference Proceedings, CCC 2006*, 2007, p 781-784

**Database:** Compendex

**111. Title:**Influence of composition ratio variations on optical frequency conversion in mixed crystals. II. Random variation of composition ratio

**Author:**[Huang, Jin Jer](#) (Department of Optical Information Science and Technology, [Harbin University of Science and Technology](#)); [Gao, Wei](#); [Shen, Tao](#); [Mao, Bei Li](#); [Andreev, Yu.M.](#); [Shaiduko, A.V.](#); [Lanskii, G.V.](#); [Chatterjee, Udit](#); [Atuchin, V.V.](#)

**Source:** *Journal of the Optical Society of America B: Optical Physics*, v 24, n 12, December, 2007, p 3081-3090

**Database:** Compendex

**112. Title:**Effects of coupling agent on morphology and properties of polyimide/ SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> hybrid films

**Author:**[Liu, Lizhu](#) (Material Science and Engineering College, [Harbin University of Science and Technology](#)); [Wang, Wei](#); [Yang, Yang](#); [Lei, Qingquan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 468-471

**Database:** Compendex

**113. Title:**Study on dielectric characteristics of nano-Al<sub>2</sub>O<sub>3</sub> composite polyimide film

**Author:**[Zhang, Peihong](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Gai, Lingyun](#); [Li, Gang](#); [Lei, Qingquan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 759-762

**Database:** Compendex

**114. Title:**Electroluminescence in both original and nano particle doped polyimide films

**Author:**[Lin, Jiaqi](#) ([Harbin University of Science and Technology](#)); [Li, Caixia](#); [Zhong, Zhibai](#); [Luan, Zhaohui](#); [Yang, Chun](#); [Lei, Qingquan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of*

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**Database:** Compendex

- 115. Title:**The CuCl<sub>2</sub>/CuPc sensor based on MEMS nanophase-pore Al<sub>2</sub>O<sub>3</sub> base plate and its mechanism study

**Author:**[Shi, Yunbo](#) (College of Measure-Control Technology and Communication Engineering, [Harbin University of Science and Technology](#)); [Guo, Jianying](#); [Zhang, Hongquan](#); [Shi, Qiang](#); [An, Hongliang](#)

**Source:** *Gaojishu Tongxin/Chinese High Technology Letters*, v 17, n 1, January, 2007, p 54-58

**Language:** Chinese

**Database:** Compendex

- 116. Title:**Numerical calculation of multicoupled fields in large salient synchronous generator

**Author:**[Li, Weili](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Ding, Shuye](#); [Jin, Huiyong](#); [Luo, Yingli](#)

**Source:** *IEEE Transactions on Magnetics*, v 43, n 4, April, 2007, p 1449-1452

**Database:** Compendex

- 117. Title:**Prime power of the minitype electromagnetic launch system and Pspice simulation

**Author:**[Gao, Jun-Shan](#) (College of Automation, [Harbin University of Science and Technology](#)); [Huang, Hai](#); [Yang, Jia-Xiang](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 1, January, 2007, p 45-49 **Language:** Chinese

**Database:** Compendex

- 118. Title:**Numerical simulation of temperature field in rotor of large turbo generator with air-coolant

**Author:**[Lu, Yi-Ping](#) ([Harbin University of Science and Technology](#)); [Li, Wei-Li](#); [Ma, Xian-Hao](#); [Jin, Hui-Yong](#)

**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 12, Apr 25, 2007, p 7-13 **Language:** Chinese

**Database:** Compendex

- 119. Title:**Simulation of 3-D magnetic field in two segments coil axial magnetic field contact of 126 kV vacuum interrupter

**Author:**[Hao, Jian-Cheng](#) (Electrical and Electronic Engineering College, [Harbin University of Science and Technology](#)); [Yang, Jia-Xiang](#); [Wang, Xin-Zhang](#); [Shangguan, Xia-Nan](#)

**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 18, Jun 25, 2007, p 83-88 **Language:** Chinese

**Database:** Compendex

- 120. Title:**Study on Kalman filtering arithmetic in battery testing system

**Author:**[Li, Gechen](#) (Department of Automation, [Harbin University of Science and Technology](#)); [Gu, Yanlei](#); [Cao, Lesong](#); [Wang, Huaiyun](#)

**Source:** *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, 2007, p 1000-1002

**Database:** Compendex

- 121. Title:Hardware-in-the-loop simulation of electro-hydraulic driving force servo system**  
**Author:**[Han, Guihua](#) (Department of Mechanical Power Engineering, [Harbin University of Science and Technology](#)); [Shao, Junpeng](#); [Dong, Yuhong](#)  
**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007*, 2007, p 2900-2905  
**Database:** Compendex
- 122. Title:Research on supplier evaluation and selection based on fuzzy hierarchy analysis and grey relational analysis**  
**Author:**[Zhang, Tie-Zhu](#) (China School of Economic Management, [Harbin University of Science and Technology](#)); [Zhuo, Jian](#); [Bi, Ke-Xin](#); [Hu, Yun-Quan](#)  
**Source:** *Journal of Harbin Institute of Technology (New Series)*, v 14, n 5, October, 2007, p 698-702  
**Database:** Compendex
- 123. Title:Growth and spectroscopic characterization of Ce:Nd:ZnWO<sub>4</sub> laser crystals**  
**Author:**[Zhang, Qinhui](#) (School of Chemical and Environmental Engineering, [Harbin University of Science and Technology](#)); [Liu, Bo](#); [Zhou, Shi](#); [Xu, Yuheng](#)  
**Source:** *Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society*, v 35, n 11, November, 2007, p 1526-1530 **Language:** Chinese  
**Database:** Compendex
- 124. Title:Modeling and analysis of internal single phase-to-ground fault in Powerformers**  
**Author:**[Su, Guo-Xia](#) ([Harbin University of Science and Technology](#)); [Ge, Bao-Jun](#); [Tao, Da-Jun](#); [Zhang, Zhi-Qiang](#)  
**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 6, November, 2007, p 584-588 **Language:** Chinese  
**Database:** Compendex
- 125. Title:Return policy to realize coordinating and win-win for perishable commodities' supply chain**  
**Author:**[Zhang, Tie-Zhu](#) (School of Economic and Management, [Harbin University of Science and Technology](#)); [Liu, Yan-Li](#)  
**Source:** *Journal of Beijing Institute of Technology (English Edition)*, v 16, n SUPPL., December, 2007, p 34-38  
**Database:** Compendex
- 126. Title:Study on intelligent evaluation method of high and new technology product**  
**Author:**[Wang, Hong-Qi](#) (School of Economics and Management, [Harbin University of Science and Technology](#)); [Wang, Xue-Yuan](#)  
**Source:** *Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th), Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th)*, 2007, p 1984-1988  
**Database:** Compendex
- 127. Title:Research on improvement of submersible motor design method**  
**Author:**[Meng, Dawei](#) (School of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Xu, Yongming](#); [Wen, Jiabin](#); [Liu, Yulei](#); [Liu, Cheng](#)  
**Source:** *Shiyou Xuebao/Acta Petrolei Sinica*, v 28, n 3, May, 2007, p 127-130 **Language:**

Chinese

**Database:** Compendex

**128. Title:**Research on applying the interests distribution method of enterprise-university-research institute cooperation based on nash model

**Author:**[Wang, Yu-Dong](#) (School of Economics and Management, [Harbin University of Science and Technology](#))

**Source:** *Journal of Harbin Institute of Technology (New Series)*, v 14, n 3, June, 2007, p 428-431

**Database:** Compendex

**129. Title:**Growth of Mg: Ce: Fe: LN crystals and analysis of the phase conjugate

**Author:**[Wang, Yi-Jie](#) (Applied Science College, [Harbin University of Science and Technology](#)); [Dai, Li](#); [Xu, Yu-Heng](#)

**Source:** *Yadian Yu Shengguang/Piezoelectrics and Acoustooptics*, v 29, n 4, August, 2007, p 451-454 **Language:** Chinese

**Database:** Compendex

**130. Title:**Hardware design and system calibration for electrical capacitance tomography system

**Author:**[Chen, Deyun](#) ([Harbin University of Science and Technology](#)); [Tang, Wenming](#); [Wang, Lili](#); [Yu, Xiaoyang](#)

**Source:** *Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007, Proceedings of the 2007 IEEE International Conference on Mechatronics and Automation, ICMA 2007*, 2007, p 3088-3093

**Database:** Compendex

**131. Title:**Growth and Holographic Storage Properties of Sc, Fe Co-Doped Lithium Niobate Crystals

**Author:**[Wei, Zheng](#) (College of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Naidong, Zhang](#); [Qingquan, Lei](#)

**Source:** *Journal of Rare Earths*, v 25, n 6, December, 2007, p 775-778

**Database:** Compendex

**132. Title:**Study on the dynamic performance of a new force application system used in tank gun control system approval testing

**Author:**[Chen, Tao](#) (School of Applied Sciences, [Harbin University of Science and Technology](#)); [Yang, Zhi-Tao](#); [He, Chi](#)

**Source:** *Binggong Xuebao/Acta Armamentarii*, v 28, n 12, December, 2007, p 1507-1511

**Language:** Chinese

**Database:** Compendex

**133. Title:**Theoretical model and optimization of a novel temperature sensor based on quartz tuning fork resonators

**Author:**[Jun, Xu](#) (College of Automation, [Harbin University of Science and Technology](#)); [Bo, You](#); [Xin, Li](#); [Juan, Cui](#)

**Source:** *Physica Scripta T*, v T129, *2nd International Symposium on Functional Materials*, 2007, p 316-320

**Database:** Compendex

**134. Title:**Influence of composition ratio on second harmonic generation and optical

**parametric oscillation of CdGe(As<sub>1-x</sub>P<sub>x</sub>)<sub>2</sub>**

**Author:**[Shen, Tao](#) (Applied Sciences College, Harbin University of Science and Technology);  
[Huang, Jin-Zhe](#); [Ji, Guang-Ju](#); [Zhao, Bo](#)

**Source:** *Qiangjiguang Yu Lizishu/High Power Laser and Particle Beams*, v 19, n 12, December, 2007, p 1955-1958 **Language:** Chinese

**Database:** Compendex

**135. Title:Synchronous generator loses field evolutionary process analysis and correlation part temperature field computation**

**Author:**[Liu, Li-Jun](#) (College of Electric and Electronic, Harbin University of Science and Technology); [Li, Wei-Li](#); [Cheng, Peng](#)

**Source:** *2006 International Conference on Power System Technology, POWERCON2006, 2006 International Conference on Power System Technology, POWERCON2006*, 2007, p 4116188

**Database:** Compendex

**136. Title:Synthesis of poly(N-vinyl carbazole) grafted (p-nitrobenzene) azo containing bi-functional chromophores**

**Author:**[Zhang, Wen-Long](#) (College of Electrical and Electronic Engineering, Harbin University of Science and Technology); [Zhao, Hong](#); [Wang, Xuan](#); [Wen, Yu-Ping](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 763-766

**Database:** Compendex

**137. Title:Research of the conduction current measurement of electric degradation threshold of inorganic-nano polyimide films**

**Author:**[Lijuan, He](#) (Electric and Electronic Engineering College, Harbin University of Science and Technology); [Tao, Chen](#); [Lingyun, Gai](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 729-732

**Database:** Compendex

**138. Title:Growth and optical properties of Sc, Fe co-doped lithium niobate crystals**

**Author:**[Zheng, Wei](#) (The College of Material Science and Engineering, Harbin University of Science and Technology); [Gui, Qiang](#); [Xu, Yu-Heng](#); [Lei, Qing-Quan](#)

**Source:** *Rengong Jingti Xuebao/Journal of Synthetic Crystals*, v 36, n 2, April, 2007, p 314-318 **Language:** Chinese

**Database:** Compendex

**139. Title:Preparation of helicopter rotor counterbalance component by means of permanent-mold casting**

**Author:**[LIU, Zhao-jing](#) (Institute of Materials Science and Engineering, Harbin University of Science and Technology); [ZUO, Feng](#); [REN, Shan-zhi](#); [LI, Feng-zhen](#)

**Source:** *Transactions of Nonferrous Metals Society of China (English Edition)*, v 17, n 2, April, 2007, p 357-362

**Database:** Compendex

**140. Title:Robust output-feedback control of inverted pendulum**

**Author:** [Wu, Jun-Feng](#) (Harbin University of Science and Technology); [Liu, Chun-Tao](#); [Deng, Yong](#)

**Source:** *Dongbei Daxue Xuebao/Journal of Northeastern University*, v 28, n SUPPL. 1, July, 2007, p 57-60 **Language:** Chinese

**Database:** Compendex

**141. Title: Mechanical properties and fracture surface morphologies in unnotched specimens of rubber-PMMA composites**

**Author:** [Gong, Shiyun](#) (College of Materials Science and Engineering, Harbin University of Science and Technology); [Bandyopadhyay, Sri](#)

**Source:** *Journal of Materials Engineering and Performance*, v 16, n 5, October, 2007, p 601-606

**Database:** Compendex

**142. Title: Fracture properties and fracture surface morphologies in rubber-PMMA composites**

**Author:** [Gong, Shiyun](#) (College of Materials Science and Engineering, Harbin University of Science and Technology); [Bandyopadhyay, Sri](#)

**Source:** *Journal of Materials Engineering and Performance*, v 16, n 5, October, 2007, p 607-613

**Database:** Compendex

**143. Title: Robust control of gas tungsten arc welding system**

**Author:** [Wu, Junfeng](#) (Department of Automation, Harbin University of Science and Technology); [Chen, Shanben](#); [Zhang, Mingjun](#)

**Source:** *Chinese Journal of Mechanical Engineering (English Edition)*, v 20, n 5, October, 2007, p 32-36

**Database:** Compendex

**144. Title: Influence of composition ratio variation on optical frequency conversion in mixed crystals. I. Gradual variation of composition ratio**

**Author:** [Huang, Jin Jer](#) (Department of Optical Information Science and Technology, Harbin University of Science and Technology); [Ji, Guang Ju](#); [Shen, Tao](#); [Andreev, Yu.M.](#); [Shaiduko, A.V.](#); [Lanskii, G.V.](#); [Chatterjee, Udit](#)

**Source:** *Journal of the Optical Society of America B: Optical Physics*, v 24, n 9, September, 2007, p 2443-2452

**Database:** Compendex

**145. Title: Improved quantum evolutionary algorithm for combinatorial optimization problem**

**Author:** [Zhang, Rui](#) (School of Automation, Harbin University of Science and Technology); [Gao, Hui](#)

**Source:** *Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, ICMLC 2007*, v 6, *Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, ICMLC 2007*, 2007, p 3501-3505

**Database:** Compendex

**146. Title: Study on the dielectric properties of polyimide/silica nanocomposite films**

**Author:** [Zhang, Ming-Yan](#) (Department of Material Science and Engineering, Harbin University of Science and Technology); [Zeng, Shu-Jin](#); [Dong, Tie-Quan](#); [Fan, Yong](#); [Lei,](#)

[Qing-Quan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 733-735

**Database:** Compendex

**147. Title:Substitution effect on the geometry and electronic structure of the ferrocene**

**Author:**[Zhang, Guiling](#) (College of Chemical and Environmental Engineering, [Harbin University of Science and Technology](#)); [Zhang, Hui](#); [Sun, Miao](#); [Liu, Yanhong](#); [Pang, Xiaohong](#); [Yu, Xiaoyang](#); [Liu, Bo](#); [Li, Zesheng](#)

**Source:** *Journal of Computational Chemistry*, v 28, n 14, Nov 15, 2007, p 2260-2274

**Database:** Compendex

**148. Title:Automatic measurement of casting surface roughness based on digital image processing**

**Author:**[Li, Da-Yong](#) (Material Science and Engineering College, [Harbin University of Science and Technology](#)); [Wang, Wen-Zhuo](#); [Shi, De-Quan](#)

**Source:** *Zhuzao/Foundry*, v 56, n 9, September, 2007, p 963-966 **Language:** Chinese

**Database:** Compendex

**149. Title:The design of wireless sound image monitoring and commanding system**

**Author:**[Bo, You](#) (College of Automation, [Harbin University of Science and Technology](#)); [Ning, Tang](#); [Lihua, Hu](#); [Jun, Xu](#)

**Source:** *ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications, ICIEA 2007: 2007 Second IEEE Conference on Industrial Electronics and Applications*, 2007, p 1722-1726

**Database:** Compendex

**150. Title:High precision apparatus for testing the fluidity of casting alloy**

**Author:**[Shi, Dequan](#) (College of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Li, Dayong](#); [Gao, Guili](#)

**Source:** *Tezhong Zhuzao Ji Youse Hejin/Special Casting and Nonferrous Alloys*, v 27, n 10, October, 2007, p 801-803 **Language:** Chinese

**Database:** Compendex

**151. Title:Microstructure in the interface between CVD diamond thick film and a Ag-Cu-Ti braze alloy**

**Author:**[Sun, Fenglian](#) (College of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Gu, Feng](#); [Zhao, Zhili](#); [Xian, Hengze](#)

**Source:** *Key Engineering Materials*, v 353-358, n PART 3, *Progresses in Fracture and Strength of Materials and Structures- Selected peer reviewed papers from the Asian Pacific Conferenc Fracture and Strength 2006, (APCFS'06)*, 2007, p 1999-2002

**Database:** Compendex

**152. Title:Methods for key-based conflicts of data organization in information integrated systems**

**Author:**[Zhao, Ling-Qiang](#) (College of Computer Science and Technology, [Harbin University of Science and Technology](#)); [Gu, Zhao-Peng](#); [Hao, Zhong-Xiao](#)

**Source:** *Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, ICMLC 2007*, v 2, *Proceedings of the Sixth International Conference on*



*Machine Learning and Cybernetics, ICMLC 2007, 2007, p 781-788*

**Database:** Compendex

**153. Title: Integrated manufacturing system of high-pressure FRP pipes**

**Author:** [You, Bo](#) (College of Automation Engineering, [Harbin University of Science and Technology](#)); [Xu, Jiazhong](#); [Wang, Xiongjian](#)

**Source:** *International Journal of Computer Applications in Technology*, v 30, n 4, February, 2007, p 245-255

**Database:** Compendex

**154. Title: Nonlinear infrared transmission through and reflection off antiferromagnetic films**

**Author:** [Bai, Jing](#) (Department of Dielectric Engineering, [Harbin University of Science and Technology](#)); [Zhou, Sheng](#); [Liu, Feng-Li](#); [Wang, Xuan-Zhang](#)

**Source:** *Journal of Physics Condensed Matter*, v 19, n 4, Jan 31, 2007, p 046217

**Database:** Compendex

**155. Title: Numerical analysis of electrical field characteristics and parameter optimization for electrical capacitance tomography system of oil/water two-phase flows**

**Author:** [Chen, De-Yun](#) ([Harbin University of Science and Technology](#)); [Li, Mou-Zun](#); [Shi, Guo-Chen](#); [Yu, Xiao-Yang](#)

**Source:** *Xitong Fangzhen Xuebao / Journal of System Simulation*, v 19, n 7, Apr 5, 2007, p 1434-1438+1488 **Language:** Chinese

**Database:** Compendex

**156. Title: RGB color Gray code based structured-light 3D measurement technique**

**Author:** [Guan, Congrong](#) ([Harbin University of Science and Technology](#)); [Yu, Xiaoyang](#); [Wu, Haibin](#); [Yu, Song](#); [Yin, Liping](#)

**Source:** *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 28, n 4, April, 2007, p 663-666 **Language:** Chinese

**Database:** Compendex

**157. Title: An optical voltage sensor based on the theory of fabry-perot interferometer**

**Author:** [Liu, Yan](#) ([Harbin University of Science and Technology](#)); [Zhao, Hong](#); [Yu, Xiaoyu](#)

**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65952H

**Database:** Compendex

**158. Title: A distributed temperature-sensing system based on FBG**

**Author:** [Yu, Xiaoyu](#) ([Harbin University of Science and Technology](#)); [Zhao, Hong](#); [Liu, Yan](#)

**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65953T

**Database:** Compendex

**159. Title: All-fiber system based on Fabry-Perot sensor for partial discharges in transformer oil**

**Author:** [Li, Min](#) (School of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Zhao, Hong](#)

**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65952I

**Database:** Compendex

- 160. Title:**A Fiber Bragg Grating Strain Sensor based on ASE light source demodulation technology  
**Author:**[Xiong, Yanling](#) (Harbin University of Science and Technology); [Yang, Zhonghua](#); [Zhao, Hong](#); [Zhang, Jian](#); [Xiao, Mengben](#) **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65952K
- 161. Title:**Study of FBG sensing demodulation in AC voltage sensing with CWDM  
**Author:**[Zhang, Jian](#) (College of High Voltage and Insulation Technology, Harbin University of Science and Technology); [Zhao, Hong](#); [Xiong, Yan-Ling](#); [Zhang, Zhen-Peng](#)  
**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65952J  
**Database:** Compendex
- 162. Title:**Correlations between IMC thickness and three factors in Sn-3Ag-0.5Cu alloy system  
**Author:**[MENG, Gong-ge](#) (College of Materials Science and Engineering, Harbin University of Science and Technology); [Takemoto, T.](#); [Nishikawa, H.](#)  
**Source:** *Transactions of Nonferrous Metals Society of China (English Edition)*, v 17, n 4, August, 2007, p 686-690  
**Database:** Compendex
- 163. Title:**Effect and influence of Mg<sup>2+</sup> on photofractive properties of Ce:Fe:LN crystals  
**Author:**[He, Li-Juan](#) (Applied Science College, Harbin University of Science and Technology); [Dai, Li](#); [Xu, Yu-Heng](#)  
**Source:** *Guangzi Xuebao/Acta Photonica Sinica*, v 36, n 8, August, 2007, p 1418-1421  
**Language:** Chinese  
**Database:** Compendex
- 164. Title:**A study of arc stability of basic electrode in view of uniform design method  
**Author:**[Meng, Gongge](#) (School of Material Science and Engineering, Harbin University of Science and Technology); [Jin, Longhao](#); [Yang, Tuoyu](#)  
**Source:** *China Welding (English Edition)*, v 16, n 3, September, 2007, p 32-35  
**Database:** Compendex
- 165. Title:**Study on cavity growth in uniaxial tension of ZK60 magnesium alloy  
**Author:**[Yu, Yan-Dong](#) (School of Materials Science and Engineering, Harbin University of Science and Technology); [Yin, De-Liang](#); [Zhang, Bao-You](#)  
**Source:** *Key Engineering Materials*, v 353-358, n PART 1, *Progresses in Fracture and Strength of Materials and Structures - Selected peer reviewed papers from the Asian Pacific Conference Fracture and Strength 2006, (APCFS'06)*, 2007, p 687-690  
**Database:** Compendex
- 166. Title:**3D measurement technology based on structured light by combining Gray code with phase-shift  
**Author:**[Yu, Xiaoyang](#) (College of Measurement Control Tech and Communication Engineering, Harbin University of Science and Technology); [Wu, Haibin](#); [Yin, Liping](#); [Yang, Mingji](#)  
**Source:** *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 28, n 12, December, 2007, p 2152-2157 **Language:** Chinese

**Database:** Compendex

**167. Title:**Traffic safety and road lighting evenness influence

**Author:**[Jiang, Yongqing](#) (College of Measurement-Control Tech. and Communications Engineering, [Harbin University of Science and Technology](#)); [Wu, Haibin](#); [Liu, Zhengmei](#); [Wang, Yong](#)

**Source:** *International Conference on Transportation Engineering 2007, ICTE 2007, International Conference on Transportation Engineering 2007, ICTE 2007, 2007*, p 834-839

**Database:** Compendex

**168. Title:**A comparative study on the synergistic effect of expandable graphite with APP and IFR in polyethylene

**Author:**[Han, Zhidong](#) ([Harbin University of Science and Technology](#)); [Dong, Limin](#); [Li, Ying](#); [Zhao, Hong](#)

**Source:** *Journal of Fire Sciences*, v 25, n 1, January, 2007, p 79-91

**Database:** Compendex

**169. Title:**An equation for Young's modulus in rubber-toughened PMMA as a function of strain rate and rubber content

**Author:**[Gong, Shiyun](#) (College of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Bandyopadhyay, S.](#)

**Source:** *Journal of Reinforced Plastics and Composites*, v 26, n 2, January, 2007, p 147-153

**Database:** Compendex

**170. Title:**Effect of directional reflective tube bundles on irradiance uniformity

**Author:**[Lu, Yi-Ping](#) (Institute of Mechanical and Power Engineering, [Harbin University of Science and Technology](#)); [Li, Bing-Xi](#); [Han, Jia-De](#); [Kudo, Kazuhiko](#)

**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 2, Jan 15, 2007, p 103-108 **Language:** Chinese

**Database:** Compendex

**171. Title:**FBG current sensor based on CWDM demodulation

**Author:**[Zhao, Hong](#) ([Harbin University of Science and Technology](#)); [Xiong, Yanling](#); [Zhang, Jian](#); [Zhao, Haijun](#)

**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65953Y

**Database:** Compendex

**172. Title:**Development of viscosity density surface tension multi-parameter fast test apparatus for normal temperature liquid

**Author:**[Gao, Guili](#) (College of Material Science and Engineering, [Harbin University of Science and Technology](#)); [Li, Dayong](#); [Shi, Dequan](#)

**Source:** *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 28, n 7, July, 2007, p 1332-1336 **Language:** Chinese

**Database:** Compendex

**173. Title:**A clustering algorithm based on improved minimum spanning tree

**Author:**[Xie, Zhiqiang](#) (Institute of Computer Science and Technology, [Harbin University of Science and Technology](#)); [Yu, Liang](#); [Yang, Jing](#)

**Source:** *Proceedings - Fourth International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2007*, v 3, *Proceedings - Fourth International Conference on Fuzzy Systems*

and Knowledge Discovery, FSKD 2007, 2007, p 396-400

**Database:** Compendex

**174. Title:Flue gas cleaning using a wet-type plasma reactor**

**Author:**[Dong, Limin](#) (College of Materials Science and Engineering, Harbin University of Science and Technology); [Han, Zhidong](#); [Zhang, Xiaohong](#); [Yang, Jiaxiang](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 814-817

**Database:** Compendex

**175. Title:Preparation and characterization of polyimide/inorganic hybrid film**

**Author:**[Zhang, Ming-Yan](#) (Department of Material Science and Engineering, Harbin University of Science and Technology); [Zeng, Shu-Jin](#); [Dong, Tie-Quan](#); [Fan, Yong](#); [Lei, Qing-Quan](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 952-954

**Database:** Compendex

**176. Title:An investigation on synergistic effect of EG with IFR in polyethylene**

**Author:**[Han, Zhidong](#) (Harbin University of Science and Technology); [Li, Ying](#); [Zhao, Hong](#)

**Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, Proceedings of ICPADM 2006 - 8th International Conference on Properties and Applications of Dielectric Materials*, 2007, p 828-831

**Database:** Compendex

**177. Title:Research on synergetic management pattern system and its implementation for manufacturing firms**

**Author:**[Song, Jia-Sheng](#) (School of Economy and Management, Harbin University of Science and Technology')

**Source:** *Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th), Proceedings of 2006 International Conference on Management Science and Engineering, ICMSE'06 (13th)*, 2007, p 602-607

**Database:** Compendex

**178. Title:PID control on the current of electromagnetic clutch tuned by neural network**

**Author:**[Wu, Xiao-Gang](#) (School of Electrical and Electric Engineering, Harbin University of Science and Technology); [Wang, Xu-Dong](#); [Yu, Teng-Wei](#); [Xie, Xian-Ping](#)

**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 4, July, 2007, p 335-339 **Language:** Chinese

**Database:** Compendex

**179. Title:Stress distribution of stacked chip package in curing process**

**Author:**[Yin, Jinghua](#) (Harbin University of Science and Technology); [Wang, Shuqi](#); [Du, Bing](#); [Lu, Guangjun](#); [Liu, Xiaowei](#)

**Source:** *2006 7th International Conference on Electronics Packaging Technology, ICEPT '06, 2006 7th International Conference on Electronics Packaging Technology, ICEPT '06*, 2007, p 4198909

**Database:** Compendex

- 180. Title:Structure and kinematic analysis of a novel 2-DOF translational parallel robot**  
**Author:**[Chen, Tao](#) (School of Application Science and Technology, [Harbin University of Science and Technology](#)); [Wu, Chao](#); [Liu, Xinjun](#)  
**Source:** *Progress in Natural Science*, v 17, n 10, October, 2007, p 1213-1219  
**Database:** Compendex
- 181. Title:Calculation on leakage reactance of large power transformer by means of dual image current method**  
**Author:**[Yang, Ping](#) (College of Electrical and Electronic Engineering, [Harbin University of Science and Technology](#)); [Liu, Wen-Li](#); [Shan, Yi](#)  
**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 5, September, 2007, p 542-546 **Language:** Chinese  
**Database:** Compendex
- 182. Title:MFA controller with tracking differentiator**  
**Author:**[Wu, Jun-Feng](#) ([Harbin University of Science and Technology](#)); [Liu, Liang-Liang](#); [Zhong, Xiao-Hu](#)  
**Source:** *Dianji yu Kongzhi Xuebao/Electric Machines and Control*, v 11, n 5, September, 2007, p 547-550 **Language:** Chinese  
**Database:** Compendex
- 183. Title:Numerical calculation of air mass flow rate distribution in rotor radial ducts of large turbo generator**  
**Author:**[Han, Jia-De](#) ([Harbin University of Science and Technology](#)); [Ma, Xian-Hao](#); [Lu, Yi-Ping](#); [Li, Wei-Li](#); [Yin, Wen-Hao](#); [Chen, Peng-Fei](#)  
**Source:** *Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering*, v 27, n 32, Nov 15, 2007, p 72-76 **Language:** Chinese  
**Database:** Compendex
- 184. Title:Design of DSP-based open control system for industrial robot**  
**Author:**[You, Bo](#) (College of Automation, [Harbin University of Science and Technology](#)); [Li, Dongjie](#); [Liu, Suju](#)  
**Source:** *Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2007, Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2007*, 2007, p 1585-1590  
**Database:** Compendex
- 185. Title:AC current sensing with fiber Bragg grating**  
**Author:**[Zhao, Hong](#) (College of High Voltage and Insulation Technology, [Harbin University of Science and Technology](#)); [Zhang, Jian](#); [Xiong, Yan-Ling](#); [Zhang, Zhen-Peng](#)  
**Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 6595 II, *Fundamental Problems of Optoelectronics and Microelectronics III*, 2007, p 65953X  
**Database:** Compendex
- 186. Title:Synthesis of La-Mn substituted M-type Ba hexaferrites by sol-gel method**  
**Author:**[Han, Zhi-Dong](#) (College of Materials Science and Engineering, [Harbin University of Science and Technology](#)); [Dong, Li-Min](#); [Wu, Ze](#); [Shan, Lian-Wei](#); [Zhang, Xian-You](#)  
**Source:** *Key Engineering Materials*, v 336-338 I, 2007, p 688-691  
**Database:** Compendex
- 187. Title:Growth of Mg:Ce:Fe:LiNbO<sub>3</sub> crystals and their holographic storage properties**

**Author:**[Wang, Yijie](#) (Applied Science College, [Harbin University of Science and Technology](#)); [Dai, Li](#); [Xu, Zhaopeng](#)

**Source:** *Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society*, v 35, n 2, February, 2007, p 144-148 **Language:** Chinese

**Database:** Compendex

**188. Title:**Manufacturing system for epoxy FRP pipes using internal heating curing process

**Author:**[Xu, Jia-Zhong](#) (College of Automation, [Harbin University of Science and Technology](#)); [You, Bo](#); [Hu, Hai-Yan](#); [Wang, Xiong-Jian](#)

**Source:** *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 15, n 1, February, 2007, p 102-106 **Language:** Chinese

**Database:** Compendex

**备注：**以上结果仅为以哈尔滨理工大学为作者单位的检索结果，不包括我校师生以外单位为文章发表单位的结果，如有漏检结果，请您反馈给我们，我们再及时更正。