

**2021 年第四季度**  
**Ei Compendex 收录**  
**沈阳工业大学论文统计**

**沈阳工业大学图书馆学科服务组**  
**2021 年 12 月**

## 统计说明

### 1、检索时间和统计方法：

- ① 检索时间段：从 2021 年 10 月 1 日至 2021 年 12 月 31 日；
- ② 检索词：以“沈阳工业大学”的英文拼写方式；
- ③ 检索字段：“Author Afflication”字段；
- ④ 检索结果：经工作人员认真核对、筛选，然后按学院分类整理并统计。

2、本次统计工作由图书馆学科服务组工作人员完成，统计结果若有不准确之处，请与我们联系更正。

联系人：刘英煜 商璐

联系电话：25496607

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## 一、2021 年第四季度 Ei（JA）收录各学院论文情况

由于版面有限，每篇论文按如下信息项编制：

(1) Accession number:EI 论文收录编号

(2) Title:论文题目

(3) Authors:作者英文姓名

(4) Source title: 论文来源

(一) 机械工程学院 (37 篇)

1. **Accession number:** 20213210748728  
**Title:** Fault diagnosis of large-scale wind turbine bearing based on enhanced combination gradient morphological filter  
**Authors:** Zhao, Siyu ; Chen, Changzheng ; Luo, Yuanqing ; Miao, Baoquan  
**Source title:** Taiyangneng Xuebao/Acta Energiae Solaris Sinica
2. **Accession number:** 20213210752794  
**Title:** A Visual Grasping Strategy for Improving Assembly Efficiency Based on Deep Reinforcement Learning  
**Authors:** Wang, Yongzhi ; Zhu, Sicheng ; Zhang, Qian ; Zhou, Ran ; Dou, Rutong ; Sun, Haonan ; Yao, Qingfeng ; Xu, Mingwei ; Zhang, Yu  
**Source title:** Journal of Sensors
3. **Accession number:** 20213310767824  
**Title:** Shock Signal Trend Term Error Correction Method Based on Discrete Wavelet Transform and Low-Frequency Oscillator Combination (Open Access)  
**Authors:** Wang, Peng ; Yan, Ming ; Zhang, Lei ; Yang, Ning  
**Source title:** Shock and Vibration
4. **Accession number:** 20213310771867  
**Title:** Damage assessment for large-scale surface warship systems using a dynamic location damage tree model quantified based on the multilevel Monte Carlo simulation  
**Authors:** Gao, Peng ; Du, Zhipeng ; Zhang, Lei ; Zhao, Pengduo ; Liu, Haiyan ; Yan, Ming  
**Source title:** Ocean Engineering
5. **Accession number:** 20213310780452  
**Title:** Research progress on corrosion fatigue of aerospace aluminum alloy  
**Authors:** Bin, Li 1 ; Li-Hong, Dong ; Hai-Dou, Wang ; Yong-Xin, Zhou ; Chong, Gao  
**Source title:** Surface Technology
6. **Accession number:** 20213310783991  
**Title:** Evolution and convection mechanism of the melt pool formed by V-groove laser cladding  
**Authors:** Song, Boxue ; Yu, Tianbiao ; Jiang, Xingyu ; Chen, Liaoyuan ; Xi, Wenchao ; Guan, Chuang  
**Source title:** Optics and Laser Technology
7. **Accession number:** 20213610871862  
**Title:** Characteristic analysis of Stewart shock isolation platform based on new damping structure  
**Authors:** Zhang, Chunhui ; Lu, Kaitian ; Liu, Hongquan ; Zhang, Lei  
**Source title:** Zhendong yu Chongji/Journal of Vibration and Shock
8. **Accession number:** 20213710877937  
**Title:** An experimental and simulation study on mechanical properties of new wire rope isolator  
**Authors:** Zhang, Chunhui ; Lu, Kaitian ; Zhang, Lei ; Yan, Ming ; Zhang, Yi  
**Source title:** Zhendong yu Chongji/Journal of Vibration and Shock
9. **Accession number:** 20214010967533

**Title:** A study on wear degradation of internal spur gear under hybrid elastohydrodynamic lubrication

**Authors:** Ning, Zhiyuan ; Chen, Changzheng

**Source title:** Zhendong yu Chongji/Journal of Vibration and Shock

**10. Accession number:** 20213710895875

**Title:** Development of Belt Grinding Devices for Screw Rotor and Prediction of Material Removal Rates

**Authors:** Yang, Heran ; He, Yuan ; Sun, Xingwei ; Dong, Zhixu ; Qiao, Heting

**Source title:** Zhongguo Jixie Gongcheng/China Mechanical Engineering

**11. Accession number:** 20213910955087

**Title:** Effect of nano-bainite microstructure and residual stress on friction properties of M50 bearing steel

**Authors:** Yu, X.F. ; Wei, Y.H. ; Zheng, D.Y. ; Shen, X.Y. ; Su, Y. ; Xia, Y.Z. ; Liu, Y.B.

**Source title:** Tribology International

**12. Accession number:** 20213910955192

**Title:** Molecular dynamics study on the reinforcing effect of incorporation of graphene/carbon nanotubes on the mechanical properties of swelling rubber (Open Access)

**Authors:** Yang, Bin ; Wang, Shijie ; Song, Zhaobo ; Liu, Lingfeng ; Li, Hualei ; Li, Yunlong

**Source title:** Polymer Testing

**13. Accession number:** 20214010967533

**Title:** A study on the enhancement of the tribological properties of nitrile-butadiene rubber reinforced by nano-ZnO particles from an atomic view (Open Access)

**Authors:** He, Enqiu ; Wang, Shijie ; Tang, Liming ; Chen, Jichi

**Source title:** Materials Research Express

**14. Accession number:** 20214010983572

**Title:** Effect of isothermal quenching on microstructure and hardness of GCr15 steel (Open Access)

**Authors:** Su, Y. ; Miao, L.J. ; Yu, X.F. ; Liu, T.M. ; Liu, L. ; Liu, J.L.

**Source title:** Journal of Materials Research and Technology

**15. Accession number:** 20214110997852

**Title:** Heat analysis of regenerator based on non-fixed value physical characteristics of MgO brick

**Authors:** Xu, Yaozu ; Shang, Xiangdong ; Xu, Jingjiu ; Zhao, Wenzhen ; Zhao, Wenhui

**Source title:** Taiyangneng Xuebao/Acta Energetica Sinica

**16. Accession number:** 20214110997971

**Title:** Identification and prediction of instability status of composites with defective wind power blades

**Authors:** Zhang, Ya'nan ; Zhou, Bo ; Yu, Fang'ai ; Shen, Chen

**Source title:** Taiyangneng Xuebao/Acta Energetica Sinica

**17. Accession number:** 20214111001334

**Title:** Research on Sensitivity Analysis Method of Vehicle Drag Coefficient

**Authors:** Zheng, Xin ; Su, Donghai

**Source title:** Qiche Gongcheng/Automotive Engineering

**18. Accession number:** 20214111001561

**Title:** Experimental validations of a magnetic energy-harvesting suspension and its potential application for self-powered sensing

**Authors:**Zhou, Ran ; Yan, Mingyin ; Sun, Feng; Jin, Junjie ; Li, Qiang ; Xu, Fangchao ; Zhang, Ming ; Zhang, Xiaoyou ; Nakano, Kimihiko

**Source title:** Energy

**19. Accession number:** 20214111018054

**Title:** Convolutional neural network with transfer learning approach for detection of unfavorable driving state using phase coherence image

**Authors:**Chen, Jichi ; Wang, Hong ; Wang, Shjie ; He, Enqiu ; Zhang, Tao ; Wang, Lin

**Source title:** Expert Systems with Applications

**20. Accession number:** 20214511111266

**Title:** Damage evolution identification of wind turbine blade main beam laminate based on adaptive VMD-WVD

**Authors:**Zhang, Yanan ; Zhou, Bo ; Yu, Fangai ; Shen, Chen

**Source title:** Zhendong yu Chongji/Journal of Vibration and Shock

**21. Accession number:** 20214611161860

**Title:** Reliability analysis of piston pump under random flow rate

**Authors:** Du, Zun-Ling ; Zhang, Yi-Min

**Source title:** Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition)

**22. Accession number:** 20214611167242

**Title:** Structural Reliability Analysis via the Multivariate Gegenbauer Polynomial-Based Sparse Surrogate Model (Open Access)

**Authors:** Dong, Yixuan ; Wang, Shijie

**Source title:** Mathematical Problems in Engineering

**23. Accession number:** 20211510185228

**Title:** Dynamic characteristics analysis of a high-speed-level gear transmission system of a wind turbine considering a time-varying wind load and an electromagnetic torque disturbance (Open Access)

**Authors:** Liu, Weiwei ; Zhao, Weiqiang ; Liu, Jie

**Source title:** Journal of Low Frequency Noise Vibration and Active Control

**24. Accession number:** 20214711193843

**Title:** An investigation on vibration features of a gear-bearing system involved pitting faults considering effect of eccentricity and friction

**Authors:** Zhao, Wei-qiang ; Liu, Jie ; Zhao, Wen-hui ; Zheng, Yang

**Source title:** Engineering Failure Analysis

**25. Accession number:** 20214711193945

**Title:** Effect of Scanning Speed of Galvanometer on Surface Oxide Layer of TA15 Titanium Alloy in Pulsed Laser Cleaning

**Authors:** Wang, Wei ; Shen, Jie ; Liu, Weijun ; Bian, Hongyou ; Li, Qiang ; Zhou, Yu

**Source title:** Zhongguo Jiguang/Chinese Journal of Lasers

- 26. Accession number:** 20214811240933  
**Title:** Multisource Data Fusion Diagnosis Method of Rolling Bearings Based on Improved Multiscale CNN  
**Authors:** Jin, Yulin ; Chen, Changzheng ; Zhao, Siyu  
**Source title:** Journal of Sensors
- 27. Accession number:** 20214811253395  
**Title:** A Novel Intelligent Fault Diagnosis Method for Rolling Bearings Based on Compressed Sensing and Stacked Multi-Granularity Convolution Denoising Auto-Encoder (Open Access)  
**Authors:** Liang, Chuang ; Chen, Changzheng ; Liu, Ye ; Jia, Xinying  
**Source title:** IEEE Access
- 28. Accession number:** 20215011302846  
**Title:** Two-dimensional phase lag index image representation of electroencephalography for automated recognition of driver fatigue using convolutional neural network  
**Authors:** Chen, Jichi ; Wang, Shijie ; He, Enqiu ; Wang, Hong ; Wang, Lin  
**Source title:** Expert Systems with Applications
- 29. Accession number:** 20215011326576  
**Title:** Effect of laser energy density on surface physical characteristics and corrosion resistance of 7075 aluminum alloy in laser cleaning  
**Authors:** Wang, Wei ; Shen, Jie ; Liu, Weijun ; Bian, Hongyou ; Li, Qiang  
**Source title:** Optics and Laser Technology
- 30. Accession number:** 20214911283455  
**Title:** Inverse kinematics for a 7-DOF humanoid robotic arm with joint limit and end pose coupling  
**Authors:** Dou, Rutong ; Yu, Shenbo ; Li, Wenyang ; Chen, Peng ; Xia, Pengpeng ; Zhai, Fengchen ; Yokoi, Hiroshi ; Jiang, Yinlai  
**Source title:** Mechanism and Machine Theory
- 31. Accession number:** 20214911283644  
**Title:** The curve cluster analyses for the characterizations of material defects by long-pulsed laser thermography  
**Authors:** Yang, Jie ; Dong, Lihong ; Wang, Haidou ; Xing, Zhiguo ; Di, Yuelan ; Gao, Chong ; Li, Ronghao  
**Source title:** Infrared Physics and Technology
- 32. Accession number:** 20212810612252  
**Title:** Pumping power and heating area dependence of thermal resistance for a large-scale microchannel heat sink under extremely high heat flux  
**Authors:** Sun, Bo ; Wang, Huiru ; Shi, Zhongshan ; Li, Ji  
**Source title:** Heat and Mass Transfer/Waerme- und Stoffuebertragung
- 33. Accession number:** 20214711204741  
**Title:** Modeling and Optimization Analysis for Base-Excited Magnetostrictive Vibration Harvester  
**Authors:** Liu, Huifang ; Li, Wencheng ; Sun, Xingwei ; Chang, Yunlong ; Gao, Yifei  
**Source title:** International Journal of Structural Stability and Dynamics



- 34. Accession number:** 20211110069466  
**Title:** A molecular dynamics study on the effect of TSW defective graphene on the glass transition temperature of polymer materials  
**Authors:** Yang, Bin ; Wang, Shijie ; Li, Hualei ; Song, Zhaobo ; Liu, Lingfeng ; Li, Yunlong  
**Source title:** Polymer Bulletin
- 35. Accession number:** 20214511132867  
**Title:** Research on fault detection of rolling bearings in press line by a new morphological filter based on diagonal slice spectrum lifting  
**Authors:** Wang, Tong ; Chen, Changzheng ; Luo, Yuanqing ; Huang, Shaohui  
**Source title:** Measurement: Journal of the International Measurement Confederation
- 36. Accession number:** 20214511129607  
**Title:** Design of Zero-power Control Strategy with Resisting Tilt of Hybrid Magnetic Levitation System  
**Authors:** Zhao, Chuan ; Oka, Koichi ; Sun, Feng ; Harada, Akinori ; Jin, Junjie ; Zhang, Ming  
**Source title:** IEEE Transactions on Industrial Electronics
- 37. Accession number:** 20214711195943  
**Title:** Dynamic characteristics of a simply supported elastic beam with three induction motors  
**Authors:** Kong, Xiangxi ; Li, Wenjie ; Jiang, Jiao ; Dong, Zhixu ; Wang, Zhaozhi  
**Source title:** Journal of Sound and Vibration

(二) 材料科学与工程学院 (95 篇)

1. **Accession number:** 20213310777396  
**Title:** Preparation of fluorine silicon copolymer superhydrophobic anticorrosive coating on copper aluminium composite by one step spraying  
**Authors:** Cheng, Yulin ; Zuo, Xiaojiao ; Yuan, Xiaoguang ; Zhu, Hongjun ; Huang, Hongjun ; Wang, Yinxiao ; Zhang, Yifan  
**Source title:** Materials Letters
2. **Accession number:** 20213310779559  
**Title:** Effect of TIG arc characteristics on weld morphology and structure of AISI444 ferritic stainless steel under pulse current  
**Authors:** Dong, Zhihai ; Li, Yiwen ; Wu, Hong ; Babkin, Aleksandr ; Chang, Yunlong  
**Source title:** Welding in the World
3. **Accession number:** 20213410793430  
**Title:** Combined MOF derivation and fluorination imparted efficient synergism of Fe-Co fluoride for oxygen evolution reaction  
**Authors:** Gu, Xiaocong ; Ji, Yi-Gang ; Tian, Jingqi ; Wu, Xiang ; Feng, Ligang  
**Source title:** Chemical Engineering Journal
4. **Accession number:** 20213410794036  
**Title:** Thermocompression Deformation Behavior and Mechanism of Ni60Ti40 Alloy  
**Authors:** Zhang, Yunsheng ; Yang, Zhengzheng ; Zhou, Ge ; Zhang, Haoyu ; Chen, Lijia ; Guan, Lei  
**Source title:** Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering
5. **Accession number:** 20213510829492  
**Title:** Effect of initial microstructure on the toughness of coarse-grained heat-affected zone in a microalloyed steel (Open Access)  
**Authors:** Shi, Minghao ; Di, Man ; Zhang, Jian ; Kannan, Rangasayee ; Li, Jing ; Yuan, Xiaoguang ; Li, Leijun  
**Source title:** Materials
6. **Accession number:** 20213510831788  
**Title:** Preparation and corrosion resistance of high-entropy disilicate (Y<sub>0.25</sub>Yb<sub>0.25</sub>Er<sub>0.25</sub>Sc<sub>0.25</sub>)<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> ceramics  
**Authors:** Wang, Xu ; Cheng, Minghao ; Xiao, Guozheng ; Wang, Chao ; Qiao, Ruiqing ; Zhang, Fan ; Bai, Yu ; Li, Yizhuo ; Wu, Yusheng ; Wang, Zhanjie  
**Source title:** Corrosion Science
7. **Accession number:** 20213510838546  
**Title:** Analysis of Cl<sup>-</sup> corrosion resistance of Inconel 625 deposited metal  
**Authors:** Su, Yunhai ; Yang, Taisen ; Dai, Zhiyong ; Wang, Yingdi ; Liang, Xuewei ; Wu, Xinggang  
**Source title:** Hanjie Xuebao/Transactions of the China Welding Institution
8. **Accession number:** 20213610853458  
**Title:** Effect of W on microstructure and properties of Fe-Cr-C-W-B surfacing alloy  
**Authors:** Zou, Zongxuan ; Liu, Zhengjun ; Han, Xu  
**Source title:** Hanjie Xuebao/Transactions of the China Welding Institution

- 9. Accession number:** 20213610853634  
**Title:** Quasi-in-situ investigation on extension twinning behavior of extruded ZC61 alloy during dynamic compression  
**Authors:** Wang, Zhi ; Liu, Bingyi ; Wang, Feng ; Zhou, Le ; Tie, Di ; Mao, Pingli ; Liu, Zheng  
**Source title:** Materials Science and Engineering A
- 10. Accession number:** 20213610860107  
**Title:** Microstructure evolution and properties of in-situ TiC reinforced titanium matrix composites coating by plasma transferred arc welding (PTAW)  
**Authors:** Zhao, T. ; Zhang, S. ; Zhou, F.Q. ; Zhang, H.F. ; Zhang, C.H. ; Chen, J.  
**Source title:** Surface and Coatings Technology
- 11. Accession number:** 20213610860244  
**Title:** Ultra-high-temperature creep behavior of a single-crystal nickel-based superalloy containing 6% Re/5% Ru  
**Authors:** Ning, Tian ; Guoqi, Zhao ; Tai, Meng ; Sugui, Tian ; Lirong, Liu ; Huajin, Yan ; Guangyan, Wang ; Fangwei, Jin  
**Source title:** Materials Characterization
- 12. Accession number:** 20213610866483  
**Title:** Comparison of the semisolid squeeze casting and gravity casting process on the precipitation behavior and mechanical properties of the Al-Si-Cu-Mg alloy  
**Authors:** Hao, Jianfei ; Yu, Baoyi ; Bian, Jiancong ; Zheng, Li ; Nie, Sainan ; Li, Runxia  
**Source title:** Materials Characterization
- 13. Accession number:** 20213710883079  
**Title:** Characterization and kinetic studies of poly(Vinylidene fluoride-co-hexafluoropropylene) polymer inclusion membrane for the malachite green extraction (Open Access)  
**Authors:** Soo, Jillin Ai Lam ; Shoparwe, Noor Fazliani ; Otitoju, Tunmise Ayode ; Mohamad, Mardawani ; Tan, Lian See ; Li, Sanxi ; Makhtar, Muaz Mohd Zaini  
**Source title:** Membranes
- 14. Accession number:** 20213710883332  
**Title:** Thermoelectric properties of the  $\beta$ -Cu<sub>2</sub>Se films with Ag doping by magnetron sputtering  
**Authors:** Li, Gui-Peng ; Song, Gui-Hong ; Wang, Nan ; Li, Xiu-Yu ; Hu, Fang  
**Source title:** Surface Technology
- 15. Accession number:** 20213710887721  
**Title:** The elastic anisotropy, electronic and thermodynamic properties of TM<sub>5</sub>Si<sub>4</sub> (TM= Sc, Y, Ti, Zr and Hf) silicides from first-principles calculations  
**Authors:** Zhu, Na ; Guo, Yongxin ; Zhang, Xudong ; Wang, Feng  
**Source title:** Vacuum
- 16. Accession number:** 20213710891881  
**Title:** Effect of Heat Treatment on Microstructure and Mechanical Properties of Selective Laser Melted 17-4PH Stainless Steel  
**Authors:** Qin, Feng ; Shi, Qi ; Liu, Xin ; Zhou, Ge ; Chen, Lijia  
**Source title:** Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research

- 17. Accession number:** 20213710891885  
**Title:** Dynamic Recrystallization of Ti-6Al-4V Alloy During Hot Compression  
**Authors:** Liu, Chao ; Wang, Xin ; Men, Yue ; Zhang, Haoyu ; Zhang, Siqian ; Zhou, Ge ; Chen, Lijia ; Liu, Haijian  
**Source title:** Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research
- 18. Accession number:** 20213810911132  
**Title:** Effect of laser power on microstructure and interfacial bonding strength of laser cladding 17-4PH stainless steel coatings  
**Authors:** Nie, M.H. ; Zhang, S. ; Wang, Z.Y. ; Zhang, C.H. ; Chen, H.T. ; Chen, J.  
**Source title:** Materials Chemistry and Physics
- 19. Accession number:** 20213910933284  
**Title:** Effect of sintering temperature on the microstructure and properties of Ti/W - C reinforced Fe-based composites  
**Authors:** Wang, Shuai ; Li, Yingmin ; Wang, Juan ; Zheng, Zhibin ; Luo, Tiegang ; Zheng, Kaihong ; Long, Jun  
**Source title:** Vacuum
- 20. Accession number:** 20213910933467  
**Title:** High valence state of Ni and Mo synergism in NiS<sub>2</sub>-MoS<sub>2</sub> hetero-nanorods catalyst with layered surface structure for urea electrocatalysis  
**Authors:** Wang, Shuli ; Zhao, Linyu ; Li, Jiabin ; Tian, Xinlong ; Wu, Xiang ; Feng, Ligang  
**Source title:** Journal of Energy Chemistry
- 21. Accession number:** 20213910942456  
**Title:** Complete goss secondary recrystallization by control of the grain size and texture of primary recrystallization in grain-oriented silicon steel (Open Access)  
**Authors:** Xu, Zhanyi ; Sha, Yuhui ; He, Zhenghua ; Zhang, Fang ; Liu, Wei ; Zhang, Huabing ; Zuo, Liang  
**Source title:** Materials
- 22. Accession number:** 20213910952408  
**Title:** Microstructure evolution and fracture mechanism of a TiAl - Nb alloy during high-temperature tensile testing  
**Authors:** Zhang, Shunke ; Tian, Ning ; Li, Deyuan ; Li, Jianghua ; Jin, Fangwei ; Wang, Guangyan ; Tian, Sugui  
**Source title:** Materials Science and Engineering A
- 23. Accession number:** 20213910955087  
**Title:** Effect of nano-bainite microstructure and residual stress on friction properties of M50 bearing steel  
**Authors:** Yu, X.F. ; Wei, Y.H. ; Zheng, D.Y. ; Shen, X.Y. ; Su, Y. ; Xia, Y.Z. ; Liu, Y.B.  
**Source title:** Tribology International
- 24. Accession number:** 20213910958184  
**Title:** Removal of humic acid using 3-methacryloxypropyl trimethoxysilane functionalized mwent loaded tio<sub>2</sub>/pes hybrid membrane (Open Access)  
**Authors:** Shoparwe, Noor Fazliani ; Kee, Lim-Cee ; Otitoju, Tunmise Ayode ; Shukor, Hafiza ; Zainuddin, Nor' Izzah ; Makhtar, Muaz Mohd Zaini  
**Source title:** Membranes

- 25. Accession number:** 20213910964467  
**Title:** Controllable synthesis of ZnCo<sub>2</sub>O<sub>4</sub>@NiCo<sub>2</sub>O<sub>4</sub> heterostructures on Ni foam for hybrid supercapacitors with superior performance  
**Authors:** Wu, Zongdeng ; Yang, Xiaoqiang ; Gao, Haiwen ; Shen, Honglong ; Wu, Haoxuan ; Xia, Xifeng ; Wu, Xiang ; Lei, Wu ; Yang, Jiazhi ; Hao, Qingli  
**Source title:** Journal of Alloys and Compounds
- 26. Accession number:** 20214010971367  
**Title:** Study on high-temperature deformation mechanical behavior and dynamic recrystallization kinetics model of Ti-47.5Al-2.5V-1.0Cr-0.2Zr alloy  
**Authors:** Lin, Xuejian ; Huang, Hongjun ; Yuan, Xiaoguang ; Wang, Yinxiao ; Zheng, Bowen ; Zuo, Xiaojiao ; Zhou, Ge  
**Source title:** Journal of Alloys and Compounds
- 27. Accession number:** 20214010972982  
**Title:** The effects of vacancies defects and oxygen atoms occupation on physical properties of chromium silicide from a first-principles calculations  
**Authors:** Zhu, Na ; Guo, Yongxin ; Zhang, Xudong ; Wang, Feng  
**Source title:** Solid State Communications
- 28. Accession number:** 20214110991764  
**Title:** Oxidation behaviour and microstructure evolution of Zr-containing steel under continuous high-temperature exposure  
**Authors:** Wang, Shuai ; Zheng, Kaihong ; Zheng, Zhibin ; Long, Jun ; Wang, Juan  
**Source title:** Materials Chemistry and Physics
- 29. Accession number:** 20213710898756  
**Title:** Manipulating internal flow units toward favorable plasticity in Zr-based bulk-metallic glasses by hydrogenation  
**Authors:** Dong, Fuyu ; Chu, Yuexin ; He, Mengyuan ; Zhang, Yue ; Li, Weidong ; Liaw, Peter K. ; Wang, Binbin ; Luo, Liangshun ; Su, Yanqing ; Ritchie, Robert O. ; Yuan, Xiaoguang  
**Source title:** Journal of Materials Science and Technology
- 30. Accession number:** 20210209748487  
**Title:** Effect of Ca Content on Hot Tearing Susceptibility of Mg-4Zn-xCa-0.3Zr (x = 0.5, 1, 1.5, 2) Alloys  
**Authors:** Bai, Shengwei ; Wang, Feng ; Wang, Zhi ; Leng, Feng ; Liu, Zheng ; Mao, Pingli  
**Source title:** International Journal of Metalcasting
- 31. Accession number:** 20210709919650  
**Title:** Effect of Core Box Temperature, Hot-Air Parameters and Micro-Silica Powder on Tensile Strength of Sand Core  
**Authors:** Xin, Fang-hai ; Liu, Wei-hua ; Song, Lai ; Li, Ying-min  
**Source title:** International Journal of Metalcasting
- 32. Accession number:** 20210709925419  
**Title:** Research on the Effect of Sr and Zr on Microstructure and Properties of Mg - 4Zn Alloy  
**Authors:** Bian, Jiancong ; Yu, Baoyi ; Jiang, Lei ; Hao, Jianfei ; Zhu, Huiwen ; Jin, Peng ; Zheng, Li ; Li, Runxia  
**Source title:** International Journal of Metalcasting

- 33. Accession number:** 20210809968292  
**Title:** Research on a Traceability Process of Sand Core Information by Printing QR Code on Sand Core Surface in the Casting Production Process  
**Authors:** Song, Lai ; Liu, Weihua ; Zou, Xiaodong ; Huo, Hongwei ; Guo, Peixi ; Yu, Yongchang ; Wen, Chunyan  
**Source title:** International Journal of Metalcasting
- 34. Accession number:** 20211210127433  
**Title:** Hot Deformation Behaviors in Ti-6Al-4V/(TiB + TiC) Composites  
**Authors:** Lin, Xuejian ; Huang, Hongjun ; Dong, Fuyu ; Zhang, Yue ; Yuan, Xiaoguang ; Zheng, Bowen ; Zuo, Xiaojiao  
**Source title:** Acta Metallurgica Sinica (English Letters)
- 35. Accession number:** 20212310472778  
**Title:** Novel Gradient Alloy Steel with Quasi-Continuous Ratios Fabricated by Selective Laser Melting: Microstructure and Corrosion Behavior  
**Authors:** Wang, Xu ; Zhang, Chun Hua ; Zhou, Feng Qiu ; Zhang, Song ; Chen, Jiang ; Zhang, Jing Bo  
**Source title:** Steel Research International
- 36. Accession number:** 20213210756484  
**Title:** Improved hole wall roughness and corrosion resistance of U-shaped hole prepared by casting (Open Access)  
**Authors:** Li, Guanglong ; Cao, Yang ; Qu, Yingdong ; Chen, Ruirun ; Li, Rongde ; Nie, Sainan ; Tian, Chang  
**Source title:** International Journal of Advanced Manufacturing Technology
- 37. Accession number:** 20213310758741  
**Title:** Generalized Composite Multiscale Diversity Entropy and Its Application for Fault Diagnosis of Rolling Bearing in Automotive Production Line (Open Access)  
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**Authors:** Wang, Yuzheng ; Wang, Xiaoxu ; Li, Laishi ; Wu, Yusheng ; Yu, Qun  
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**Authors:** Liang, Shuang ; Liu, Zhixin ; Liu, Lirong ; Liang, Jinguang ; Ji, Liangbo ; Shao, Huayang  
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**Authors:** Hao, Jian-Fei ; Yu, Bao-Yi ; Luo, Hui-Xin ; Shi, Yuan-Ji ; Li, Run-Xia  
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**Authors:**You, Jiaqing ; Zhao, Yunqiang ; Dong, Chunlin ; Miao, Shu ; Liu, Zhe ; Liu, Li ; Su, Yunhai  
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**Authors:**Tao, Chengchuang ; Huang, Hongjun ; Zhou, Ge; Zheng, Bowen ; Zuo, Xiaojiao ; Chen, Lijia ; Yuan, Xiaoguang  
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**Authors:**Zheng, Hang Yu; Bai, Yu ; Shao, Yan ; Yu, Hai Yi ; Chen, Bing ; Lin, Jun Liang ; Zhang, Fan ; Wang, Chao ; Wang, Zhan Jie  
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**Authors:**Du, Kai ; Huang, Shaohui ; Shi, Minghao ; Li, Leijun ; Huang, Hongjun ; Zhang, Saijun ; Zheng, Wentao ; Yuan, Xiaoguang  
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**Authors:**Tan, Xiaojie; Duan, Zhongxin; Liu, Hengqi ; Wu, Xiang ; Cho, Young-Rae  
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**Authors:**Lin, Li ; Liu, Zheng ; Chen, Lijia ; Li, Feng  
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**Authors:**Lin, Li ; Liu, Zheng ; Chen, Lijia; Liu, Teng ; Wu, Shiding  
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**Authors:** Xiande Ma ;Yusheng Wu ;Laishi Li ;YuZheng Wang  
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**Authors:** Cui, Can ; Gong, Xiaoguo ; Chen, Lijia ; Xu, Weiwei ; Chen, Lijie  
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**Authors:** Yan, Weili ; Xiao, Zhuohao ; Li, Xiuying ; Wu, Xiang ; Kong, Ling Bing  
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**Authors:** Liu, Yi ; Liu, Ying ; Yamauchi, Yusuke ; Alothman, Zeid A. ; Kaneti, Yusuf Valentino ; Wu, Xiang  
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**Authors:** Haiyan Wang ;Chen Yu ;Wanghui Xu ;Yupeng Zhang ;Yanyi Ma ;Yan Lin  
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**Authors:** Yuan, Shuai ; Wang, Jinhui ; Jin, Peipeng ; Zhang, Lei  
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**Authors:** Guan, Chao ; Hu, Fang ; Yu, Xin ; Chen, Hai-Lian ; Song, Gui-Hong ; Zhu, Kai  
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**Authors:** Liu, Renjie ; Xia, Wei ; Otitoju, Tunmise Ayode ; Wu, Weidong ; Wang, Song ; Li, Sanxi ; Zhang, Ailing ; Chen, Xuecheng ; Tang, Tao ; Liu, Jie  
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**Authors:** Jianrong Song ; Gaoming ; Xiang Wu ; Liu He ; Qing Huang ; Zhengren Huang  
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**Authors:** Wei, Z.Q. ; Zhou, Z.J. ; Liu, S.M. ; Liu, Z. ; Wang, Y.  
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**Authors:** Ren, Shuyang ; Wang, Feng ; Sun, Jingying ; Liu, Zheng ; Mao, Pingli  
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**Authors:** Su, Ruiming ; Ma, Siyi ; Wang, Kaining ; Li, Guanglong ; Qu, Yingdong ; Li, Rongde  
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**Authors:** Lin, Xuejian ; Huang, Hongjun ; Yuan, Xiaoguang ; Wang, Yinxiao ; Zheng, Bowen ; Zuo, Xiaojiao ; Zhou, Ge  
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**Authors:** Tao, Chengchuang ; Huang, Hongjun ; Yuan, Xiaoguang ; Yue, Chunyu ; Su, Ming ; Zuo, Xiaojiao  
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**Authors:** Liu, Yizhe ; Zhang, Xudong ; Bi, Hanjia ; Liu, Xiaoqian ; Wang, Feng  
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**Authors:** Teng, Yun ; Sun, Peng ; Hui, Qian ; Chen, Zhe  
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**Authors:** Wang, Xiaodong ; Zhang, Yilong ; Liu, Yingming ; Miao, Yizhi  
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**Authors:** Zhou, Yu ; Zeng, Jia ; Li, Kairu ; Hargrove, Levi J. ; Liu, Honghai  
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**Authors:** Li, Yan ; Yu, Zhanyang ; Meng, Heng ; Wang, Jin ; Jing, Yongteng  
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**Authors:** Han, Ying ; Wang, Hongshuang ; Cao, Yundong ; An, Yuejun ; Tan, Guoqi ; Li, Shujun ; Liu, Zengqian ; Zhang, Zhefeng  
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**Authors:** Yan, Ning ; Zhao, Haichuan ; Pan, Xiao ; Ma, Guangchao ; Ma, Shaohua  
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**Authors:** Zhang, Zhifeng ; Sun, Quanzeng ; Di, Qishen ; Wu, Yue  
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**Authors:** Han, Xue-Yan ; Zhang, Xin-Gang ; Zhu, Long-Fei ; Ma, Xin ; Wang, Shi-Wei  
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**Authors:** Liu, Yunfei ; Zhang, Bingyi ; Zong, Ming ; Feng, Guihong ; Gan, Baoping  
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**Authors:** Song, Danqing ; Chen, Zhuo ; Dong, Lihu ; Zhu, Wencheng

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**Authors:** Dong, Ting ; Fu, Renjie ; Zhang, Bo ; Bai, Yansheng

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**Authors:** Li, Yong ; Li, Kun-Cheng ; Sun, Bai-Qing ; Zhang, Qiu-Hao ; Wang, Yi-Na ; Yang, Jun-You

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**Authors:** Wei, Mofan ; Lin, Sheng ; Zhao, Yan ; Wang, Hao ; Liu, Qian

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**Authors:** Chi, Qingguang ; Zhang, Yanli ; Chen, Jichao ; Zhang, Dianhai ; He, Rongzhen

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**Authors:** Zhang, Dianhai ; Shi, Kaimeng ; Ren, Ziyang ; Jia, Mengfan ; Koh, Chang-Seop ; Zhang, Yanli

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**Authors:** Wu, Yue ; Zhang, Zhifeng ; Li, Yang ; Sun, Quanzeng

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**Authors:** Jin, Hongyan ; Zhao, Ximei ; Wang, Tianhe

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**Authors:** Dong, Jian ; Wang, Haixin ; Yang, Junyou ; Lu, Xinyi ; Gao, Liu ; Zhou, Xiran  
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**Title:** Fractional-order backstepping control based on Hermite polynomial functional link fuzzy neural network for PMLSM  
**Authors:** Zhao, Xi-Mei ; Wang, Tian-He  
**Source title:** Dianji yu Kongzhi Xuebao/Electric Machines and Control
- 29. Accession number:** 20214211026626  
**Title:** Sensitivity Analysis of Rotor Strength of Megawatt High Speed Permanent Magnet Motor  
**Authors:** Wang, Tianyu ; Wang, Zerun ; Bai, Bin ; Zhang, Yue ; Zhang, Fengge  
**Source title:** Diangong Jishu Xuebao/Transactions of China Electrotechnical Society
- 30. Accession number:** 20214211026642  
**Title:** Research on Electromagnetic Vibration and Noise Characteristics of Dual Sided Rotor Permanent Magnet Synchronous Motor Based on Armature Offset Approach  
**Authors:** Liu, Kai ; Zhang, Bingyi ; Feng, Guihong  
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**Title:** Cluster Optimal Dispatch Strategy for Seawater Desalination Using Abandoned Wind Power  
**Authors:** Chu, Shuai ; Dong, Hui ; Ge, Weichun ; Liu, Chuang ; Cai, Guowei  
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**Title:** Adaptive Dynamic Sliding Mode Control of Permanent Magnet Linear Synchronous Motor Based on Feedback Linearization  
**Authors:** Zhang, Kang ; Wang, Limei  
**Source title:** Diangong Jishu Xuebao/Transactions of China Electrotechnical Society
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**Title:** Cooperative Dispatch of Distributed Energy Storage in Distribution Network with PV Generation Systems  
**Authors:** Li, Xiangjun ; Wang, Lijun ; Yan, Ning ; Ma, Rui  
**Source title:** IEEE Transactions on Applied Superconductivity

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**Title:** Research on Optimal Scheduling Method of Hybrid Energy Storage System Considering Health State of Echelon-Use Lithium-Ion Battery  
**Authors:** Li, Xiangjun ; Ma, Rui ; Yan, Ning ; Wang, Shangxing ; Hui, Dong  
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**Title:** The Optimal Model Based on Waste Resourceful and Urban Multi-Energy System Collaborative  
**Authors:** Wang, Zedi ; Teng, Yun ; Yan, Jiajia ; Chen, Zhe  
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- 36. Accession number:** 20214611143627  
**Title:** Evaluation and experiment of impact resistance and continuous load capacity of canned motor for vacuum dry pump  
**Authors:** An, Yue-Jun ; Chen, Jia-Wei ; Deng, Wen-Yu ; Wang, Guang-Yu ; Sun, Bao-Yu ; Kong, Xiang-Ling ; Qi, Li-Jun ; Li, Ming  
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**Title:** Research on the magnetic field-free line system based on ring magnet array  
**Authors:** Jiang, Ce ; Ke, Li ; Du, Qiang ; Zu, Wann  
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**Title:** Loss and Thermal Analysis for High-Speed Amorphous Metal PMSMs Using 3-D Electromagnetic-Thermal Bi-Directional Coupling  
**Authors:** Tong, Wenming ; Sun, Ruolan ; Li, Shiqi ; Tang, Renyuan  
**Source title:** IEEE Transactions on Energy Conversion
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**Title:** A Novel Robust Super-Twisting Nonsingular Terminal Sliding Mode Controller for Permanent Magnet Linear Synchronous Motors  
**Authors:** Fu, Dongxue ; Zhao, Ximei ; Zhu, Jianguo  
**Source title:** IEEE Transactions on Power Electronics
- 40. Accession number:** 20214711217892  
**Title:** Direct Adaptive Control of Neural Network of Magnetic Levitation System of CNC Machine Tool Linear Synchronous Motor  
**Authors:** Lan, Yipeng ; Yao, Wanting ; Yang, Wenkang ; Lei, Cheng  
**Source title:** Jixie Gongcheng Xuebao/Journal of Mechanical Engineering
- 41. Accession number:** 20214811226746  
**Title:** Sliding Mode Synchronous Control Based on Decoupling of Position Deviation for Direct Drive H-type Platform  
**Authors:** Zhang, Kang ; Wang, Limei  
**Source title:** Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering

- 42. Accession number:** 20214811237783  
**Title:** Load forecasting of electric vehicle charging station based on grey theory and neural network (Open Access)  
**Authors:** Feng, Jiawei ; Yang, Junyou ; Li, Yunlu ; Wang, Haixin ; Ji, Huichao ; Yang, Wanying ; Wang, Kang  
**Source title:** Energy Reports
- 43. Accession number:** 20214811247543  
**Title:** Temperature and electric field distribution characteristics of a DC-GIL basin-type spacer with 3D modelling and simulation (Open Access)  
**Authors:** Li, Xiaolong ; Wan, Mingde ; Yan, Shouyi ; Lin, Xin  
**Source title:** Energies
- 44. Accession number:** 20214811252646  
**Title:** Optimal scheduling of integrated energy system for low carbon considering combined weights (Open Access)  
**Authors:** Zhou, Xiran ; Ma, Yiming ; Wang, Haixin ; Li, Yunlu ; Yu, Jishuai ; Yang, Junyou  
**Source title:** Energy Reports
- 45. Accession number:** 20214811256760  
**Title:** Analytical No-Load Magnetic Field Model Taking Account of the Curvature Coefficient for Parallel Direct-Driven Conjoined Permanent Magnet Synchronous Motor  
**Authors:** Dai, Sirui ; Feng, Guihong ; Li, Wei ; Zhang, Bingyi ; Zheng, Junming  
**Source title:** IEEE Transactions on Electrical and Electronic Engineering
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**Title:** A non-intrusive load monitoring algorithm based on multiple features and decision fusion  
**Authors:** Li, Yanzhen ; Wang, Haixin ; Yang, Junyou ; Wang, Kang ; Qi, Guanqiu  
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**Title:** Analysis of Magnetic Forces in Axial-Flux Permanent-Magnet Motors with Rotor Eccentricity  
**Authors:** Zhang, Xiaoting ; Zhang, Bingyi  
**Source title:** Mathematical Problems in Engineering
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**Title:** Experimental Study on Dynamic Insulation Properties of C4F7N/CO2 Gas Mixtures in Contact Gap of High Voltage Circuit Breaker During Closing and Opening Process  
**Authors:** Zhang, Jia ; Lin, Xin ; Xu, Jianyuan ; Zhang, Youpeng ; Geng, Zhenxin ; Zhong, Jianying  
**Source title:** Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering
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**Title:** Two-stage Robust Optimal Scheduling Model for Multi-energy Systems Considering Thermal Inertia Uncertainty  
**Authors:** Sun, Peng ; Teng, Yun ; Hui, Qian ; Chen, Zhe  
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- 50. Accession number:** 20214811238091  
**Title:** Improved energy saving control of IPMSM based on the weighted average current method (Open Access)  
**Authors:** Zhang, Hanquan ; Zhu, Hongyu ; Zhang, Dongdong ; Zhao, Haisen ; Zhang, Yanli ; Li, Shenwang ; Shuang, Feng ; Wu, Thomas  
**Source title:** Energy Reports
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**Title:** Research on the double-layer intra-day management and control method of ring structure microgrid cluster based on multi-time scale (Open Access)  
**Authors:** Yan, Ning ; Ma, Guangchao ; Yan, Tao ; Ma, Shaohua ; Zhao, Haichuan  
**Source title:** Energy Reports
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**Title:** Probabilistic, Recurrent, Fuzzy Neural Network for Processing Noisy Time-Series Data (Open Access)  
**Authors:** Li, Yong ; Gault, Richard ; McGinnity, T. Martin  
**Source title:** IEEE Transactions on Neural Networks and Learning Systems
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**Title:** Data-based robust optimal control of discrete-time systems with uncertainties via adaptive dynamic programming  
**Authors:** Liu, Yang ; Xing, Zuoxia ; Chen, Zhe ; Xu, Jian  
**Source title:** Optimal Control Applications and Methods
- 54. Accession number:** 20211710263568  
**Title:** A soft-switching high gain DC – DC converter for renewable energy systems  
**Authors:** Wang, Qiang ; Wang, Youzheng ; Liu, Xiaoqin ; Zhang, Siwen ; Guo, Guoxian  
**Source title:** International Journal of Electronics
- 55. Accession number:** 20213510824163  
**Title:** Economic Low-Carbon Clean Dispatching of Power System Containing P2G Considering the Comprehensive Influence of Multi-Price Factor  
**Authors:** Cui, Dai ; Ge, Weichun ; Zhao, Wenguang ; Jiang, Feng ; Zhang, Yushi  
**Source title:** Journal of Electrical Engineering and Technology
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**Title:** RNN-assisted feature-extraction VMD for load classification in cloud computing platform  
**Authors:** Ma, Yiming ; Wang, Haixin ; Yang, Junyou ; Chen, Zhe ; Yuan, Jingwei ; Okoye, Martin Onyeka  
**Source title:** Journal of Circuits, Systems and Computers
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**Title:** Image Registration Via Marginal Distribution Adaptation  
**Authors:** Yan, Xiaohu ; Yang, Jinfeng ; Liu, Xiaohua ; He, Fazhi ; Sun, Hao  
**Source title:** IEEE Geoscience and Remote Sensing Letters

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**Title:** A new reaching law for sliding mode observer of controllable excitation linear synchronous motor  
**Authors:** Shi, Xiaole i;Lan, Yipeng ;Sun, Yunpeng ;Lei, Cheng  
**Source title:** Transactions of the Institute of Measurement and Control
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**Title:** Controllability results for quasi-linear systems: Standard and descriptor cases (Open Access)  
**Authors:** Gu, Da-Ke ; Zhang, Da-Wei ; Liu, Yin-Dong  
**Source title:** Asian Journal of Control
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**Title:** Magnetic Performance Improvement caused by Tensile Stress in Equivalent Iron Core fabricated by High-Strength Non-Oriented Electrical Steel  
**Authors:** Zhang, Hang ; Zeng, Lubin ; An, Dongyang ; Pei, Ruilin  
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**Title:** Data-driven robust value iteration control with application to wind turbine pitch control  
**Authors:** Liu, Yang ; Jiang, Zhanpeng ; Hao, Lichao ; Xing, Zuoxia ; Chen, Mingyang ; Zhang, Pengfei  
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**Title:** Fabrication of piezoelectric Ca-P-Si-doped PVDF scaffold by phase-separation-hydration: Material characterization, in vitro biocompatibility and osteoblast redifferentiation  
**Authors:** Gong, Tianxing ; Li, Tingyu ; Meng, Lisha ; Chen, Yadong ; Wu, Tao ; Zhou, Jingqiu ; Lu, Guoxiu ; Wang, Zhiguo  
**Source title:** Ceramics International
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**Title:** Advanced Contouring Compensation Approach via Newton-ILC and Adaptive Jerk Control for Biaxial Motion System  
**Authors:** Yuan, Hao ; Zhao, Ximei  
**Source title:** IEEE Transactions on Industrial Electronics
- 64. Accession number:** 20213910953788  
**Title:** Analytical Modeling for Rotor Eddy Current Loss of a Surface-Mounted PMSM with both Non-Ferromagnetic Conductive Retaining Sleeve and Shielding Cylinder  
**Authors:** Tong, Wenming ; Sun, Lu ; Hou, Mingjun ; Wu, Shengnan ; Tang, Renyuan  
**Source title:** IEEE Transactions on Energy Conversion
- 65. Accession number:** 20214411103431  
**Title:** Analytical Model for No-Load Electromagnetic Performance Prediction of V-shape IPM Motors Considering Nonlinearity of Magnetic Bridges  
**Authors:** Li, Shiqi ; Tong, Wenming ; Hou, Mingjun ; Wu, Shengnan ; Tang, Renyuan  
**Source title:** IEEE Transactions on Energy Conversion

- 66. Accession number:** 20214311058223  
**Title:** Electromagnetic-Thermal Bi-directional Coupling Analysis of IEF-DDPMM Under Different Operation Conditions and Cooling System Optimization Design  
**Authors:** Zhang, Jiaxu ; Zhang, Bingyi ; Feng, Guihong  
**Source title:** IEEJ Transactions on Electrical and Electronic Engineering
- 67. Accession number:** 20214311058251  
**Title:** Research on cogging torque weakening of direct-drive permanent magnet motor with inner enhance force  
**Authors:** Zhang, Jiaxu ; Zhang, Bingyi ; Li, Dongming ; Feng, Guihong  
**Source title:** IEEJ Transactions on Electrical and Electronic Engineering
- 68. Accession number:** 20213810925272  
**Title:** Analytical Model and Experimental Verification of Permanent Magnet Eddy Current Loss in Permanent Magnet Machines with Non-Concentric Magnetic Poles  
**Authors:** Tong, Wenming ; Sun, Lu ; Wu, Shengnan ; Hou, Mingjun ; Tang, Renyuan  
**Source title:** IEEE Transactions on Industrial Electronics
- 69. Accession number:** 20214811252660  
**Title:** A novel quasi-type-1 PLL based on frequency-fixed complex filter for three phase grid synchronization (Open Access)  
**Authors:** Yunlu Li;Zizhao Wang;Junyou Yang;Yan Xu;Tianhe Gao  
**Source title:** Energy Reports
- 70. Accession number:** 20214811234363  
**Title:** Feedback Linearization Adaptive Dynamic Sliding Mode Control of Linear Synchronous Motor for CNC Machine Tools  
**Authors:** Zhang, Kang ; Wang, Limei ; Fang, Xin  
**Source title:** Journal of Electrical Engineering and Technology
- 71. Accession number:** 20214311058258  
**Title:** Radial Force and Vibration Analysis of Modular Fault-Tolerant Permanent Magnet Motor with Unequal Span Windings  
**Authors:** Gan, Baoping ; Zhang, Bingyi ; Liu, Yunfei ; Feng, Guihong  
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- 72. Accession number:** 20214811225306  
**Title:** On-line Control Strategy for Radial Vibration Suppression of PMSM by Multi-harmonic Current Injection Method  
**Authors:** Kang, Le ; Xia, Jiakuan ; Su, Hang ; Li, Zexing ; Liu, Siqi  
**Source title:** IEEE Transactions on Industrial Electronics
- 73. Accession number:** 20214811252973  
**Title:** Load data recovery method based on SOM-LSTM neural network (Open Access)  
**Authors:** Yiming Ma;Junyou Yang;Jiawei Feng;Haixin Wang;Yunlu Li;Yingying Li  
**Source title:** Energy Reports
- 74. Accession number:** 20214711211206  
**Title:** Cooling System of Outer Rotor SPMSM for a Two-Seater All-Electric Aircraft Based on Heat Pipe Technology  
**Authors:** Yu, Zhanyang ; Li, Yan ; Jing, Yongteng ; Wang, Jin  
**Source title:** IEEE Transactions on Transportation Electrification

(四) 信息科学与工程学院 (18 篇)

1. **Accession number:** 20213310757437  
**Title:** Research on the oxygen and humidity related-electrical behavior of monolayer MoS<sub>2</sub> under vacuum to normal pressures  
**Authors:** Li, Meng ; Shi, Huiyao ; Jin, Xiaoshi ; Wang, Lu ; Liu, Xi ; Wu, Meile  
**Source title:** Semiconductor Science and Technology
2. **Accession number:** 20213310761644  
**Title:** Full-angle detection method of pipeline crack based on balanced electromagnetic technology  
**Authors:** Yang, Lijian ; Zheng, Wenxue ; Li, Jiayin ; Gao, Songwei ; Liu, Bin  
**Source title:** Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument
3. **Accession number:** 20213510829939  
**Title:** TCMNER and PubMed: A Novel Chinese Character-Level-Based Model and a Dataset for TCM Named Entity Recognition (Open Access)  
**Authors:** Liu, Zhi ; Luo, Changyong ; Zheng, Zeyu ; Li, Yan ; Fu, Dianzheng ; Yu, Xinzhu ; Zhao, Jiawei  
**Source title:** Journal of Healthcare Engineering
4. **Accession number:** 20213610873471  
**Title:** Approach for Short-Term Traffic Flow Prediction Based on Empirical Mode Decomposition and Combination Model Fusion  
**Authors:** Tian, Zhongda  
**Source title:** IEEE Transactions on Intelligent Transportation Systems
5. **Accession number:** 20213610874192  
**Title:** Application and research of MBR-PRM algorithm based on obstacle feature analysis  
**Authors:** Zhang, Lianhao ; Liu, Zhenyu ; Qin, Xiaohong  
**Source title:** International Journal of Robotics and Automation
6. **Accession number:** 20213810924614  
**Title:** Investigating the Characteristic of Weak Magnetic Stress Internal Detection Signals of Long-Distance Oil and Gas Pipeline under Demagnetization Effect  
**Authors:** Liu, Bin ; Zhang, He ; Zhang, Baoping ; Lian, Zheng ; Yang, Lijian ; Liu, Tong  
**Source title:** IEEE Transactions on Instrumentation and Measurement
7. **Accession number:** 20213910964194  
**Title:** An analytical model of electromagnetic stress detection for pipeline based on magneto-mechanical coupling model  
**Authors:** Yang, Lijian ; Zheng, Fuyin ; Gao, Songwei ; Huang, Ping ; Bai, Shi  
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8. **Accession number:** 20210609893771  
**Title:** A bio-syncretic phototransistor based on optogenetically engineered living cells  
**Authors:** Yang, Jia ; Li, Gongxin ; Wang, Wenxue ; Shi, Jialin ; Li, Meng ; Xi, Ning ; Zhang, Mingjun ; Liu, Lianqing  
**Source title:** Biosensors and Bioelectronics
9. **Accession number:** 20210209748417

**Title:** Research on early weak structural damage detection of aeroengine intershaft bearing based on acoustic emission technology

**Authors:** Liang, Zheming ; Wang, Anna ; Yu, Yang ; Yang, Ping

**Source title:** Structural Health Monitoring

**10. Accession number:** 20213610849785

**Title:** Network traffic prediction model based on ensemble empirical mode decomposition and multiple models

**Authors:** Lian, Lian; Tian, Zhongda

**Source title:** International Journal of Communication Systems

**11. Accession number:** 20214211039752

**Title:** Weak Magnetic Signal Characteristics for Critical Damage of Oil and Gas Pipelines Based on Electron Spinning (Open Access)

**Authors:** Wang, Guoqing ; Mao, Liuwei ; Du, Du

**Source title:** IEEE Access

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**Title:** Analysis of acoustic field characteristics to detect internal pipeline corrosion based on ultrasonic full-focus

**Authors:** Du, Du; Wang, Guoqing ; Mao, Liuwei

**Source title:** Measurement Science and Technology

**13. Accession number:** 20214110996705

**Title:** Mixing Performance of Micromixers with Fractal Obstacles Based on Murray's Law

**Authors:** Hou, Chunming ; Li, Lunxing ; Lv, Ruihong ; Tian, Zhuang ; Chen, Xueye

**Source title:** Chemical Engineering and Technology

**14. Accession number:** 20214611163916

**Title:** Finite-time tracking control with velocity constraints for the stochastic rehabilitative training walker systems considering different rehabilitee masses

**Authors:** Sun, Ping ; Wang, Shuoyu ; Shan, Rui

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**15. Accession number:** 20214711194063

**Title:** A capacitive pressure-sensitive chip with linkage film

**Authors:** Chuai, Rongyan ; Zhang, Bing ; Yang, Yuxin ; Jiang, Guimin ; Zhang, He ; Li, Xin

**Source title:** Microelectronics Journal

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**Title:** Electrical capacitance tomography image reconstruction by improved orthogonal matching pursuit algorithm

**Authors:** Yan, Hua ; Wang, Yan ; Wang, Yi Fan ; Zhou, Ying Gang

**Source title:** IET Science, Measurement and Technology

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**Title:** Diffusion behavior of vitamin-E in irradiation cross-linked GO/UHMWPE composites

**Authors:** Han, Jitai ; Duan, Weipeng ; Xia, Qingfeng ; Song, Dalei

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**Title:** Branched Polyethylenimine Based Field Effect Transistor for Low Humidity Detection at Room Temperature

**Authors:** Wu, Meile ; Wu, Zhanyu ; Zheng, Yanna ; Jin, Xiaoshi ; Liu, Xi ; Lee, Jong-Ho ; Li, Meng

**Source title:** IEEE Sensors Journal

(五) 管理学院 (7 篇)

1. **Accession number:** 20213310789013  
**Title:** Parasitism or Symbiosis? A Selection of RD Strategy from the Perspective of Responsibility Paradox (Open Access)  
**Authors:** He, Deyu ; Zou, Hua ; Wang, Haijun ; Sun, Jian  
**Source title:** IEEE Access
2. **Accession number:**20214311047934  
**Title:** Research on an Enterprise Green Innovation Ecosystem from the Vulnerability Perspective: Evolutionary Game and Simulation (Open Access)  
**Authors:** Zou, Hua ; Qin, Hao ; He, Deyu ; Sun, Jian  
**Source title:** IEEE Access
3. **Accession number:**20214611158916  
**Title:** Decision-making for location of manufacturing bases in an uncertain demand situation  
**Authors:** Jianzhu, Sun ; Qingshan, Zhang ; Yinyun, Yu  
**Source title:** Journal of Intelligent and Fuzzy Systems
4. **Accession number:**20214611158917  
**Title:** A partner selection problem for complex product of manufacturing enterprises in supply chain  
**Authors:** Li, Congdong ; Yu, Yinyun ; Xu, Wei ; Sun, Jianzhu  
**Source title:** Journal of Intelligent and Fuzzy Systems
5. **Accession number:**20214811239692  
**Title:** A Joint Optimization Model considering the Product User's Risk Preference for Supply System Disruption  
**Authors:** Song, Yang ; Liu, Yan-Qiu ; Sun, Qi ; Chen, Ming-Fei ; Xu, Hai-Tao  
**Source title:** Mathematical Problems in Engineering
6. **Accession number:** 20214711209503  
**Title:** Synergetic management of water-energy-food nexus system and GHG emissions under multiple uncertainties: An inexact fractional fuzzy chance constraint programming method  
**Authors:** Xu, Ye ; Tan, Junyuan ; Wang, Xu ; Li, Wei ; He, Xing ; Hu, Xiaoguang ; Fan, Yurui  
**Source title:** Agricultural Water Management
7. **Accession number:** 20213310777851  
**Title:** Parasitism or symbiosis? A selection of R&D strategy from the perspective of responsibility paradox (Open Access)  
**Authors:** He, Deyu ; Zou, Hua ; Wang, Haijun ; Sun, Jian  
**Source title:** IEEE Access

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1. **Accession number:** 20213310757245  
**Title:** Crystallization, structure, morphology, and properties of linear low-density polyethylene blends made with different comonomers  
**Authors:** Hu, Xinlu ; Shi, Ying ; Wang, Ying ; Liu, Li-Zhi ; Ren, Yi ; Wang, Yuanxia  
**Source title:** Polymer Engineering and Science
2. **Accession number:** 20213310758570  
**Title:** A New Stochastic Sliding-Mode Design for Descriptor Fuzzy Systems with Time-Varying Delay  
**Authors:** Wang, Yingying ; Zhang, Jianyu ; Zhang, Huaguang ; Sun, Jiayue  
**Source title:** IEEE Transactions on Cybernetics
3. **Accession number:** 20213410790709  
**Title:** Electrochemical degradation of chloramphenicol using Ti-based SnO<sub>2</sub>-Sb-Ni electrode (Open Access)  
**Authors:** Li, Dan ; Zhang, Libao ; Gao, Weichun ; Meng, Jing ; Guan, Yinyan ; Liang, Jiyan ; Shen, Xinjun  
**Source title:** Water Science and Technology
4. **Accession number:** 20213610853683  
**Title:** Magnetic and thermodynamic properties of a diluted fullerene-like structure X<sub>20</sub> with embedded atom  
**Authors:** Li, Qi ; Wang, Wei ; Sun, Lei ; Li, Bo-chen ; Tian, Ming  
**Source title:** Physica B: Condensed Matter
5. **Accession number:** 20213710887721  
**Title:** The elastic anisotropy, electronic and thermodynamic properties of TM<sub>5</sub>Si<sub>4</sub> (TM= Sc, Y, Ti, Zr and Hf) silicides from first-principles calculations  
**Authors:** Zhu, Na ; Guo, Yongxin ; Zhang, Xudong ; Wang, Feng  
**Source title:** Vacuum
6. **Accession number:** 20214010972982  
**Title:** The effects of vacancies defects and oxygen atoms occupation on physical properties of chromium silicide from a first-principles calculations  
**Authors:** Zhu, Na ; Guo, Yongxin ; Zhang, Xudong ; Wang, Feng  
**Source title:** Solid State Communications
7. **Accession number:** 20214110989191  
**Title:** Tunable microwave absorption properties of B-doped SiC nanopowders prepared by arc-discharge method  
**Authors:** Shi, Gui-Me ; Ji, Long ; Zhang, Yan ; Wang, Xiao-Lei ; Shi, Fa-Nian ; Yu, Di ; Bao, Xiu-Kun  
**Source title:** Journal of Materials Science: Materials in Electronics
8. **Accession number:** 20214511122427  
**Title:** Polyvinylpyrrolidone supported brønsted acidic catalyst for esterification (Open Access)  
**Authors:** Wang, Song ; Tian, Chengcheng  
**Source title:** International Journal of Polymer Science

- 9. Accession number:** 20214511123047  
**Title:** Optimization of Process Variables in the Synthesis of Tributyl Citrate Using a Polyvinylpolypyrrolidone-Supported Brønsted Acidic Ionic Liquid Catalyst (Open Access)  
**Authors:** Wang, Song; Xu, Lanlan ; Xu, Linlin ; Tian, Chengcheng ; Guan, Yinyan  
**Source title:** International Journal of Polymer Science
- 10. Accession number:** 20214511123667  
**Title:** Synthesis, Optimization, Property, Characterization, and Application of Dialdehyde Cross-Linking Guar Gum (Open Access)  
**Authors:** Hongbo, Tang ; Yanping, Li ; Wen, Zhang ; Siqing, Dong  
**Source title:** International Journal of Polymer Science
- 11. Accession number:** 20214511130921  
**Title:** Insight into magnetic properties and magnetocaloric effect in a Janus particle  
**Authors:** Sun, Lei ; Lv, Dan ; Yang, Yi ; Wang, Wei ; Gao, Zhong-yue ; Bao, Jia  
**Source title:** Polymer
- 12. Accession number:** 20214611157951  
**Title:** Extremal Solutions for Caputo Conformable Differential Equations with  $p$ -Laplacian Operator and Integral Boundary Condition (Open Access)  
**Authors:** Peng, Zhongqi ; Li, Yuan ; Zhang, Qi ; Xue, Yimin  
**Source title:** Complexity
- 13. Accession number:** 20215011313215  
**Title:** Magnetic properties of a fullerene-like X20structure with embedded metal atom  
**Authors:** Gao, Zhong-Yue ; Lv, Dan ; Wang, Wei ; Yang, Lin-Mei ; Sun, Lei ; Wang, Feng  
**Source title:** Physica Scripta
- 14. Accession number:** 20215011320522  
**Title:** Stable nanotube construction conditions and electronic properties of possible Si double-walled nanotubes  $(n_{in}, m_{in})@(6, m_{out})$  ( $n_{in} = 3, 4$ ) by SCC-DFTB calculations  
**Authors:** Wu, Lijun ; Han, Yan ; Li, Wu ; Chen, Shangfeng ; Zhao, Qian ; Shen, Longhai  
**Source title:** Materials Chemistry and Physics
- 15. Accession number:** 20213210751281  
**Title:** Input-to-state stability of the nonlinear fuzzy systems via small-gain theorem and decentralized sliding mode control  
**Authors:** Jin, Zhenghong ; Wang, Zhangxiu ; Li, Jiawen  
**Source title:** IEEE Transactions on Fuzzy Systems
- 16. Accession number:** 20210609895618  
**Title:** Impulse elimination of the Takagi-Sugeno fuzzy singular system via sliding mode control  
**Authors:** Zhang, Yi ; Jin, Zhenghong ; Zhang, Qingling  
**Source title:** IEEE Transactions on Fuzzy Systems
- 17. Accession number:** 20214811237902  
**Title:** Critical and compensation behaviors of a graphyne bilayer: A Monte Carlo study  
**Authors:** Sun, Lei ; Zhang, Fan ; Wang, Wei ; Gao, Zhong-yue ; Li, Bo-chen ; Lv, Jia-qi  
**Source title:** Journal of Magnetism and Magnetic Materials

(七) 建筑与土木工程学院 (13 篇)

1. **Accession number:** 20213910937741  
**Title:** Strain-induced changes of electronic and optical properties of O adsorbed ReS<sub>2</sub> monolayer  
**Authors:** Gu, Tian Yi ; Wang, Ying ; Liu, Gui Li ; Zhang, Guo Ying  
**Source title:** Chemical Physics Letters
2. **Accession number:** 20214110997971  
**Title:** Identification and prediction of instability status of composites with defective wind power blades  
**Authors:** Zhang, Ya'nan ; Zhou, Bo ; Yu, Fang'ai ; Shen, Chen  
**Source title:** Taiyangneng Xuebao/Acta Energiae Solaris Sinica
3. **Accession number:** 20214110998147  
**Title:** Field Test on the Uplift Bearing Characteristics of Thin-walled Cone-end Grouting Micro-steel Pipe Pile  
**Authors:** Cui, Qiang ; Guo, Chaoyi ; Zhang, Kai ; Zhang, Chuanqing  
**Source title:** Gongcheng Kexue Yu Jishu/Advanced Engineering Science
4. **Accession number:** 20214411092222  
**Title:** Improved test method for convection heat transfer characteristics of carbonate fractures after acidizing etching (Open Access)  
**Authors:** Zhan, Hongyang ; Dong, Wenbao ; Chen, Sili ; Hu, Dawei ; Zhou, Hui ; Luo, Jing  
**Source title:** Advances in Geo-Energy Research
5. **Accession number:** 20214511134259  
**Title:** Effects of hpmc on workability and mechanical properties of concrete using iron tailings as aggregates (Open Access)  
**Authors:** Gu, Xiaowei ; Li, Xiaohui ; Zhang, Weifeng ; Gao, Yuxin ; Kong, Yaning ; Liu, Jianping ; Zhang, Xinlong  
**Source title:** Materials
6. **Accession number:** 20214911285403  
**Title:** Improvement of stability and reduction of energy consumption for Ti-based MnO<sub>x</sub> electrode by Ce and carbon black co-incorporation in electrochemical degradation of ammonia nitrogen  
**Authors:** Zhao, Jiao ; Xu, Xuelu ; Liu, Zehui ; Bai, Xiaodan ; Yang, Yan ; Li, Xiaoyi ; Wang, Yin ; Liu, Weifeng ; Zhu, Yimin  
**Source title:** Water Science and Technology
7. **Accession number:** 20214911288709  
**Title:** Effect of twisting deformation on electronic structure and optical properties of gold-doped black phosphorene  
**Authors:** He, Jian-Lin ; Liu, Gui-Li ; Li, Xin-Yue  
**Source title:** Wuli Xuebao/Acta Physica Sinica

- 8. Accession number:** 20214911294306  
**Title:** Density functional theory study on influence of tensile deformation and electric field on electrical properties of Si atom adsorbed on black phosphorene  
**Authors:** Wei, Lin ; Liu, Gui-Li ; Wang, Jia-Xin ; Mu, Guang-Yao ; Zhang, Guo-Ying  
**Source title:** Wuli Xuebao/Acta Physica Sinica
- 9. Accession number:** 20214711210012  
**Title:** Combined effect of passive vortex generators and leading-edge roughness on dynamic stall of the wind turbine airfoil  
**Authors:** Zhu, Chengyong ; Qiu, Yingning ; Feng, Yanhui ; Wang, Tongguang ; Li, Hui  
**Source title:** Energy Conversion and Management
- 10. Accession number:** 20214010987937  
**Title:** Three-Dimensional Discontinuous Deformation Analysis of Failure Mechanisms and Movement Characteristics of Slope Rockfalls  
**Authors:** Ma, Ke ; Liu, Guoyang  
**Source title:** Rock Mechanics and Rock Engineering
- 11. Accession number:** 20214511137965  
**Title:** Effect of O adsorption on the electronic structure and optical properties of black phosphorene  
**Authors:** He, Jianlin ; Liu, Guili ; Wei, Lin  
**Source title:** Molecular Physics
- 12. Accession number:** 20213310780276  
**Title:** Density functional theory study on the electronic structure and optical properties of Li adsorbed borophene  
**Authors:** Yongde Yao ;Guili Liu  
**Source title:** Molecular Physics
- 13. Accession number:** 20215011308710  
**Title:** Effect of Al doping on the electronic structure and optical properties of germanene  
**Authors:** He, Jianlin ; Liu, Guili ; Wei, Lin ; Li, Xinyue  
**Source title:** Molecular Physics

(八) 人工智能学院 (12 篇)

1. **Accession number:** 20213510824285  
**Title:** Partial Memory Iterative Learning Control with Velocity Constraints for Rehabilitative Training Walker under Human-robot Uncertainty  
**Authors:** Sun, Ping ; Shan, Rui ; Wang, Shuoyu  
**Source title:** Jiqiren/Robot
2. **Accession number:** 20213710895425  
**Title:** Dynamic Jobshop Scheduling Algorithm Based on Deep Q Network (Open Access)  
**Authors:** Zhao, Yejian ; Wang, Yanhong ; Tan, Yuanyuan ; Zhang, Jun ; Yu, Hongxia  
**Source title:** IEEE Access
3. **Accession number:** 20213910952214  
**Title:** Fault detection for uncertain nonlinear systems via recursive observer and tight threshold  
**Authors:** Zhang, Zhi-Hui ; Hao, Li-Ying ; Guo, Mingjie  
**Source title:** Applied Mathematics and Computation
4. **Accession number:** 20214010973304  
**Title:** A novel decomposition-ensemble prediction model for ultra-short-term wind speed  
**Authors:** Tian, Zhongda ; Chen, Hao  
**Source title:** Energy Conversion and Management
5. **Accession number:** 20212210417046  
**Title:** Predictive control compensation for networked control system with time-delay  
**Authors:** Tian, Zhongda ; Wang, Yanhong  
**Source title:** Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering
6. **Accession number:** 20213810912950  
**Title:** Approach for short-term wind power prediction via kernel principal component analysis and echo state network optimized by improved particle swarm optimization algorithm  
**Authors:** Tian, Zhongda  
**Source title:** Transactions of the Institute of Measurement and Control
7. **Accession number:** 20214611154790  
**Title:** Safety-triggered stochastic tracking control for a cushion robot by constraining velocity considering the estimated internal disturbance: Safety-triggered stochastic tracking control for a cushion robot  
**Authors:** Sun, Ping ; Shan, Rui ; Wang, Shuoyu  
**Source title:** Applied Mathematics and Computation
8. **Accession number:** 20214611179344  
**Title:** A novel predictive method based on key points for dynamic multi-objective optimization  
**Authors:** Wang, Chunfeng ; Yen, Gary G ; Zou, Fei  
**Source title:** Expert Systems with Applications
9. **Accession number:** 20212210435936

**Title:** Network traffic prediction method based on autoregressive integrated moving average and adaptive Volterra filter

**Authors:** Tian, Zhongda ; Li, Feihong

**Source title:** International Journal of Communication Systems

**10. Accession number:** 20214411103555

**Title:** Resilient Cooperative Control for High-speed Trains under Denial-of-Service Attacks

**Authors:** Zhao, Hui ; Dai, Xuewu ; Ding, Lei ; Cui, Dongliang ; Ding, Jinliang ; Chai, Tianyou

**Source title:** IEEE Transactions on Vehicular Technology

**11. Accession number:** 20214411106867

**Title:** Design of unknown input observer for discrete time nonlinear generalized Markov jump systems under fault conditions

**Authors:** Tian, Zhongda ; Li, Shuo

**Source title:** Transactions of the Institute of Measurement and Control

**12. Accession number:** 20212610568524

**Title:** Analysis and research on chaotic dynamics behaviour of wind power time series at different time scales

**Authors:** Tian, Zhongda

**Source title:** Journal of Ambient Intelligence and Humanized Computing



(九) 环境与化学工程学院 (15 篇)

1. **Accession number:** 20213310785353  
**Title:** Polyurethane/polydopamine/graphene auxetic composite foam with high-efficient and tunable electromagnetic interference shielding performance  
**Authors:** Fan, Donglei ; Li, Niexin ; Li, Minggang ; Wang, Song ; Li, Sanxi ; Tang, Tao  
**Source title:** Chemical Engineering Journal
2. **Accession number:** 20213610875025  
**Title:** Magnetic behaviors of an antiferromagnetic/ferromagnetic bilayer in a time-dependent magnetic field  
**Authors:** Lv, Dan ; Liu, Jin-cheng ; Zhang, Fan ; Zhang, De-zhi  
**Source title:** Journal of Molecular Graphics and Modelling
3. **Accession number:** 20213810909676  
**Title:** Advanced reduction process to achieve efficient degradation of pyridine  
**Authors:** Liu, Shuhao ; Han, Jinglong ; Ding, Yangcheng ; Gao, Xiaoxu ; Cheng, Haoyi ; Wang, Hongcheng ; Liu, Chunshuang ; Wang, Aijie  
**Source title:** Chemosphere
4. **Accession number:** 20213810914199  
**Title:** Preparation of Fe<sub>3</sub>O<sub>4</sub>@polypyrrole composite materials for asymmetric supercapacitor applications  
**Authors:** Li, Shiyun ; Zhang, Ling ; Zhang, Luxi ; Guo, Yuqiong ; Chen, Xuecheng ; Holze, Rudolf ; Tang, Tao  
**Source title:** New Journal of Chemistry
5. **Accession number:** 20211410162913  
**Title:** Using waste crayfish shell derived catalyst to synthesize glycerol carbonate by transesterification reaction between glycerol and dimethyl carbonate  
**Authors:** Wang, Jianye ; Liu, Haifeng ; Chen, Zhonghui ; Sun, Yifeng ; Wang, Song  
**Source title:** Reaction Kinetics, Mechanisms and Catalysis
6. **Accession number:** 20213710899571  
**Title:** Synthesis of PVDF-B4C mixed matrix membrane for ultrafiltration of protein and photocatalytic dye removal  
**Authors:** Ouyang, Yuanyuan ; Otitoju, Tunmise Ayode ; Jiang, Dafu ; Li, Sanxi ; Shoparwe, Noor Fazliani ; Wang, Song ; Zhang, Ailing  
**Source title:** Journal of Applied Polymer Science
7. **Accession number:** 20214211035952  
**Title:** High-performance ZnCo<sub>2</sub>O<sub>4</sub>microsheets as an anode for lithium-ion batteries  
**Authors:** Kang, Ying ; Shi, Hongwei ; Zhang, Yu-Hang ; Shi, Fa-Nian  
**Source title:** Chemical Communications
8. **Accession number:** 20214511125075  
**Title:** Using Diaper Waste to Prepare Magnetic Catalyst for the Synthesis of Glycerol Carbonate  
**Authors:** Wang, Jincan ; Liang, Yong ; Wang, Song ; Okoye, Patrick U. ; Chen, Hongxu ; Zhou, Yue ; Xu, Jiening ; Meng, Zhenhao ; Wang, Lei ; Li, Sanxi  
**Source title:** International Journal of Polymer Science

- 9. Accession number:** 20215011313215  
**Title:** Magnetic properties of a fullerene-like X<sub>20</sub> structure with embedded metal atom  
**Authors:** Gao, Zhong-Yue ; Lv, Dan ; Wang, Wei ; Yang, Lin-Mei ; Sun, Lei ; Wang, Feng  
**Source title:** Physica Scripta
- 10. Accession number:** 20214911293608  
**Title:** One pot synthesis of lanthanide-iron-sodium trimetallic metal-organic frameworks as anode materials for lithium-ion batteries  
**Authors:** Lv, Xiao-Nan ; Zhang, Yu-Hang ; Sun, Ping-Ping ; Wang, Peng-Fei ; Tang, Jun-Jie ; Yang, Gang ; Shi, Qi ; Shi, Fa-Nian  
**Source title:** Journal of Solid State Chemistry
- 11. Accession number:** 20214511118679  
**Title:** Effect of oleic acid on improving flame retardancy of brucite in low-density polyethylene composite  
**Authors:** Liu, Renjie ; Xia, Wei ; Otitoju, Tunmise Ayode ; Wu, Weidong ; Wang, Song ; Li, Sanxi ; Zhang, Ailing ; Chen, Xuecheng ; Tang, Tao ; Liu, Jie  
**Source title:** Journal of Applied Polymer Science
- 12. Accession number:** 20214911294303  
**Title:** Ca-doped PrBa<sub>1-x</sub>Ca<sub>x</sub>CoCuO<sub>5+δ</sub> (x = 0 - 0.2) as cathode materials for solid oxide fuel cells  
**Authors:** Yao, Chuangang ; Yang, Jixing ; Zhang, Haixia ; Lang, Xiaoshi ; Cai, Kedi  
**Source title:** Ceramics International
- 13. Accession number:** 20214811237686  
**Title:** Study on the properties of Cu powder modified 3-D Co-MOF in electrode materials of lithium ion batteries  
**Authors:** Sun, Ping-Ping ; Zhang, Yu-Hang ; Shi, Hongwei ; Shi, Fa-Nian  
**Source title:** Journal of Solid State Chemistry
- 14. Accession number:** 20214511134262  
**Title:** Phthalate debranched Canna edulis Ker starch with high degree of substitution: preparation, characterization and property  
**Authors:** Hongbo, Tang ; Qian, Zhao ; Yanping, Li ; Xiaojun, Liu  
**Source title:** Polymer Bulletin
- 15. Accession number:** 20213910942572  
**Title:** Plant-microbial remediation of chlorpyrifos contaminated soil  
**Authors:** Wang, Xin ; Hou, Jia-wen ; Liu, Wen-rui ; Bao, Jia  
**Source title :** Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes

(十) 石油化工学院 (10 篇)

1. **Accession number:** 20213410810671  
**Title:** Preparation, structure and properties of carbon molecular sieving membranes enabled by hybridization of TiO<sub>2</sub> sol  
**Authors:** Yao, Yanhu ; Yang, Chen ; Zhang, Bing ; Wu, Yonghong ; Wang, Tonghua  
**Source title:** Huagong Xuebao/CIESC Journal
2. **Accession number:** 20213510823333  
**Title:** Highly permeable and selective sepiolite hybrid mixed matrix carbon membranes supported on plate carbon substrates for gas separation  
**Authors:** Yang, Chen ; Zhang, Bing ; Zhang, Suixin ; Wu, Yonghong ; Wang, Tonghua ; Qiu, Jieshan  
**Source title:** Chemical Engineering Research and Design
3. **Accession number:** 20213810906083  
**Title:** Enhanced separation performance of microfiltration carbon membranes for oily wastewater treatment by an air oxidation strategy  
**Authors:** Zhang, Bing ; Zhang, Suixin ; Wu, Yonghong ; Hong, Xueqian ; Liang, Yuji ; Wang, Tonghua ; Qiu, Jieshan  
**Source title:** Chemical Engineering and Processing - Process Intensification
4. **Accession number:** 20213910938360  
**Title:** Study of potential of Fe-Si76 as catalyst for CO<sub>2</sub> reduction to CH<sub>3</sub>OH  
**Authors:** Zhao, Xiudan ; Xu, Tiejun ; Lu, Jingjing ; Liu, Haitao  
**Source title:** Journal of Molecular Liquids
5. **Accession number:** 20214010975854  
**Title:** Preparation and catalytic property of composite ionic liquid immobilized on sba-15  
**Authors:** Lining, Shan ; Haiyue, Wang ; Liying, Guo ; Rongrong, Zheng ; Lili, Shi ; Shuo, Zhang  
**Source title:** Canadian Journal of Chemistry
6. **Accession number:** 20214311078613  
**Title:** CO<sub>2</sub> separation of Pebax-based mixed matrix membranes promoted by Cu(Qc)<sub>2</sub>  
**Authors:** Ning, Mengjia ; Dai, Yan ; Xi, Yuan ; Zhang, Xing ; Liu, Hongjing ; He, Gaohong  
**Source title:** Huagong Jinzhan/Chemical Industry and Engineering Progress
7. **Accession number:** 20214711194371  
**Title:** The selectivity of a polydimethylsiloxane-based triblock copolymer as the stationary phase for capillary gas chromatography  
**Authors:** Sun, Tao ; Huang, Qiuchen ; Chen, Ruonan ; Zhang, Wei ; Li, Qionglu ; Wu, Aoping ; Wang, Guixia ; Hu, Shaoqiang ; Cai, Zhiqiang  
**Source title:** New Journal of Chemistry
8. **Accession number:** 20213310790478  
**Title:** Effect of acidic conditions on electrochemical desulfurization of clean coal  
**Authors:** zhang, yong ; yu, qi  
**Source title:** Energy Sources, Part A: Recovery, Utilization and Environmental Effects
9. **Accession number:** 20213910956683

**Title:** Study on the performance of petroleum coke after electrolytic desulfurization in NaBr-CH<sub>3</sub>COOH system

**Authors:** Zhang, Yong ; Yu, Qi ; Wang, Huanhuan ; Zou, Mingxu

**Source title:** Energy Sources, Part A: Recovery, Utilization and Environmental Effects

**10. Accession number:** 20212710582161

**Title:** Preparation of Diacid Comprising Ionic Liquid Catalyst and Its Application in Catalytic Degradation of PET

**Authors:** Shi, Kaiyu ; Guo, Liying ; Zheng, Rongrong ; Wang, Haiyue ; Chen, Yanming

**Source title:** Catalysis Letters

(十一) 其他: 未注明学院 (6 篇)

**1. Accession number:** 20213210752544

**Title:** Investigation on the relationship between bending angle of the overhanging surface and overhanging surface quality printed using selective laser melting

**Authors:** Duan, Weipeng ; Han, Jitai ; Xia, Qingfeng ; Wang, Keqing ; Wu, Meiping ; Song, Dalei

**Source title:** Rapid Prototyping Journal

**2. Accession number:** 20213310771713

**Title:** Improvements of microstructure and hardness of lead-free solders doped with Mo nanoparticles

**Authors:** Yang, Linmei ; Ma, Shiran ; Mu, Guowan

**Source title:** Materials Letters

**3. Accession number:** 20213410815512

**Title:** Seepage characteristics of thermally and chemically treated Mesozoic granite from geothermal region of Liaodong Peninsula

**Authors:** Liu, Hejuan ; Shi, Yingkun ; Fang, Zhiming ; Liu, Jianfeng ; Zhang, Liwei ; Tong, Rongchen

**Source title:** Environmental Earth Sciences

**4. Accession number:** 20214311072758

**Title:** Stability control method for hybrid AC-DC transmission systems considering cross-region multi-energy coordination (Open Access)

**Authors:** Sun, Peng ; Teng, Yun ; Leng, Ouyang ; Chen, Zhe

**Source title:** CSEE Journal of Power and Energy Systems

**5. Accession number:** 20214511135131

**Title:** Research on Maximum Power Tracking Control Method of 10MW MVSPMSG Based on Neutral Point Potential Balance

**Authors:** Wang, Xian ; Wang, Dazhi ; Zhu, Shiyu ; Liu, Yang ; Zhao, Haichuan

**Source title:** IEEE Transactions on Applied Superconductivity

**6. Accession number:** 20214511129956

**Title:** An Improved Impedance Modeling Method of Grid-Tied Inverters with White-Box Property

**Authors:**Zeng, Zhijie ; Xiao, Huafeng ; Niu, Chenhui ; Chen, Jie ; Wang, Ziyi ; Wu, Xu ; Cheng, Ming

**Source title:** IEEE Transactions on Power Electronics

## 二、2021 年第四季度 Ei (CA) 收录各学院论文情况

由于版面有限，每篇论文按如下信息项编制：

(1) Accession number:EI 论文收录编号

(2) Title:论文题目

(3) Authors:作者英文姓名

(4) Source title: 论文来源

### (一) 电气工程学院 (10 篇)

1. **Accession number:** 20214311045156  
**Title:** Fault Diagnosis of Permanent Magnet Synchronous Motor Based on Improved Probabilistic Neural Network  
**Authors:** Dai, Xuesong ; Zhang, Yuxian ; Qiao, Likui ; Sun, Deyuan  
**Source title:** Chinese Control Conference, CCC
2. **Accession number:** 20214311045313  
**Title:** A Deep Neural Networks Based on Multi-task Learning and Its Application  
**Authors:** Zhao, Mengru ; Zhang, Yuxian ; Qiao, Likui ; Sun, Deyuan  
**Source title:** Chinese Control Conference, CCC
3. **Accession number:** 20214511132458  
**Title:** High temperature insulation design of capacitive wall bushing for high-temperature solid electrical heat storage devices (Open Access)  
**Authors:** Wang, Zhe ; Fu, Qitong ; Fan, Jinpeng ; Xing, Zuoxia  
**Source title:** Journal of Physics: Conference Series
4. **Accession number:** 20214511132476  
**Title:** Combination prediction method of electric vehicle charging load based on Monte Carlo method and neural network (Open Access)  
**Authors:** Yang, Wanying ; Li, Yunlu ; Wang, Haixin ; Feng, Jiawei ; Yang, Junyou  
**Source title:** Journal of Physics: Conference Series
5. **Accession number:** 20214511132483  
**Title:** Optimal dispatch of integrated energy system considering demand response and load inertia (Open Access)  
**Authors:** Hong, Feng ; Wang, Haixin ; Yang, Junyou ; Li, Yunlu ; Zhou, Xiran ; Gao, Liu  
**Source title:** Journal of Physics: Conference Series
6. **Accession number:** 20214711191229  
**Title:** Modeling and Dynamic Matrix Control of Solid-state Electric Heat Storage System with Time Delay  
**Authors:** Chen, Lei ; Zhao, Xu Zhang ; Su, Jian ; Jin, Yongqiang  
**Source title:** 2021 4th Asia Conference on Energy and Electrical Engineering, ACEEE 2021

7. **Accession number:** 20215111370105  
**Title:** Small-signal modeling and stability analysis of grid-connected offshore wind power based on virtual synchronous generator control  
**Authors:** Lihu Dong ;Danqing Song ;Zhuo Chen  
**Source title:** Journal of Physics: Conference Series
8. **Accession number:** 20215111365096  
**Title:** Experimental research on break dynamic insulation characteristics of C4F7N/CO2 mixed gas  
**Authors:** Jianying Zhong;Guohui Han;Jia Zhang;Xin Lin;Zhenxin Geng;Jianyuan Xu;Guanglei Sun  
**Source title :** 7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020 - Proceedings
9. **Accession number:** 20214911287477  
**Title:** Predicting Surgical Outcomes in Epilepsy Patients Using Directed Transfer Function and Computational Model  
**Authors:** Zhou, Fang ; Han, Ling ; Li, Chunsheng  
**Source title:** ACM International Conference Proceeding Series
10. **Accession number:** 20214911287449  
**Title:** Localizing Epileptic Focus of Patients with Epilepsy Using Post-Ictal Scalp EEG  
**Authors:** Yao, Meiheng ; Li, Chunsheng  
**Source title:** ACM International Conference Proceeding Series

(二) 信息科学与工程学院 (1 篇)

1. **Accession number:** 20214711201825  
**Title:** ORBSLAM combined with electromagnetic tracking in duodenum 3D reconstruction  
**Authors:** Zou, Yan ; Yang, Yongming ; Wang, Chongyang ; Huang, Yongping ; Chang, Li ; Jiang, Zhenming ; Liu, Hao  
**Source title :** 2021 IEEE 11th Annual International Conference on CYBER Technology in Automation, Control, and Intelligent Systems, CYBER 2021

(三) 理学院 (2 篇)

1. **Accession number:** 20214311046180  
**Title:** A New Iterative Learning Control Algorithm for A Class of Single Link Manipulator System with Time-iteration-varying Parameters  
**Authors:** Li, Siqi ; Zhang, Guoshan ; Zhang, Yi  
**Source title:** Chinese Control Conference, CCC
2. **Accession number:** 20214311046597  
**Title:** Distributed Adaptive Sliding Mode Control for Takagi-Sugeno Fuzzy Multiagent Systems  
**Authors:** Jin, Zhenghong ; Liu, Tengfei ; Li, Jiawen  
**Source title:** Chinese Control Conference, CCC

(四) 人工智能学院 (2 篇)

1. **Accession number:** 20214311045313  
**Title:** A Deep Neural Networks Based on Multi-task Learning and Its Application  
**Authors:** Zhao, Mengru ; Zhang, Yuxian ; Qiao, Likui ; Sun, Deyuan  
**Source title:** Chinese Control Conference, CCC
2. **Accession number:** 20214311045887  
**Title:** Trajectory Tracking Control Based on RTO Enforcing SCFO for Lower Limb Rehabilitation Robot  
**Authors:** Chu, Qinghao ; Zhang, Jun ; Chen, Zhaoxin  
**Source title:** Chinese Control Conference, CCC

(五) 其他: 未注明学院 (2 篇)

1. **Accession number:** 20214111004269  
**Title:** Mobile Robot Dynamic Path Planning Based on Improved A\* Algorithm  
**Authors:** Sun, Tong ; Wang, Ting ; Sun, Ping  
**Source title:** 2021 3rd International Conference on Robotics and Computer Vision, ICRCV 2021
2. **Accession number:** 20214411094302  
**Title:** 4D Printed bilayer helical structures mechanical behaviors and shape memory effects  
**Authors:** Zeng, Siyuan ; Feng, Yixiong ; Gao, Yicong ; Tan, Jianrong ; Wei, Zhe  
**Source title :** Proceedings of ASME 2021 Conference on Smart Materials, Adaptive Structures and Intelligent Systems, SMASIS 2021