

2023 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
2023 年 12 月

统计说明

1、检索时间和统计方法：

- ① 检索时间段：从 2023 年 10 月 1 日至 2023 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 Affiliation”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、2023 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 (53 篇)

1. **Accession number:** 20233014433572
Title: Study on the microscopic wear mechanism of nanoparticles sliding stainless steel
Authors: Sun, Jingting ; Yuan, Zewei ; Zheng, Peng ; Tang, Meiling ; Wang, Ying ; Sun, Xiaohan ; He, Yan
Source title: Modelling and Simulation in Materials Science and Engineering
2. **Accession number:** 20233114459337
Title: Damage mechanisms of a typical simplified hull girder with thinner plates subjected to near-field underwater explosions
Authors: Gong, Yuxiang ; Zhang, Wenpeng ; Du, Zhipeng
Source title: Ocean Engineering
3. **Accession number:** 20233814746445
Title: Anti-reflective properties of butterfly-wing-micro-nano structures in the infrared band
Authors: Zhong, Bing ; Guo, Wei-Ling ; He, Dong-Yv ; Xing, Zhi-Guo ; Huang, Yan-Fei ; Lv, Xiao-Ren
Source title: Optics and Laser Technology
4. **Accession number:** 20233014433208
Title: Atomistic removal mechanisms of nano polishing single-crystal SiC in hydroxyl free radical aqueous solution
Authors: Yuan, Zewei ; Tang, Meiling ; Wang, Ying ; Sun, Jingting ; He, Yan
Source title: Physica Scripta
5. **Accession number:** 20234114845425
Title: A Molecular Dynamics Simulation Study on Enhancement of Mechanical and Tribological Properties of Nitrile—Butadiene Rubber with Varied Contents of Acrylonitrile
Authors: Yuan, Quan ; Li, Yunlong ; Wang, Shijie ; He, Enqiu ; Yang, Bin ; Nie, Rui
Source title: Polymers
6. **Accession number:** 20233614689920
Title: Study of a magnetostrictive energy harvester for harvesting transient shock vibration
Authors: Wei, Linru ; Liu, Huifang ; Shu, Liang ; Zhao, Luyao ; Liu, Zhanqi ; Chang, Yunlong
Source title: Sensors and Actuators A: Physical
7. **Accession number:** 20233614668966
Title: SIMULATION ANALYSIS AND EXPERIMENTAL STUDY ON EXOTHERMIC PROCESS OF SOLID ACCUMULATOR
Authors: Hu, Zifeng ; Duan, Zhenyun ; Xu, Yaozu ; Shang, Xiangdong ; Xu, Jingjiu
Source title: Taiyangneng Xuebao/Acta Energiae Solaris Sinica
8. **Accession number:** 20233614674514
Title: RESEARCH ON BEARING FAULT DIAGNOSIS OF WIND TURBINES BASED ON TRANSFER LEARNING
Authors: An, Wenjie ; Chen, Changzheng ; Tian, Miao ; Su, Xiaoming ; Sun, Xianming ; Gu, Yanling
Source title: Taiyangneng Xuebao/Acta Energiae Solaris Sinica
9. **Accession number:** 20233614674487

Title: DYNAMIC MODELING AND ANALYSIS FOR PLANETARY GEAR TRANSMISSION SYSTEM WITH DYNAMIC BACKLASH AND PRESSURE ANGLE

Authors: Zhang, Lei ; Wang, Zhong ; Zhang, Ming ; Gu, Quan ; Zhao, Xinguang

Source title: Taiyangneng Xuebao/Acta Energriae Solaris Sinica

10. Accession number: 20232814374589

Title: Analysis of the tribological and dynamic performance of textured bearings under contaminated conditions

Authors: Zhao, Xudong ; Zhang, Yimin

Source title: Tribology International

11. Accession number: 20233614695876

Title: Tribological and dynamic performance analysis of rolling bearings with varied surface textures operating under lubricant contamination

Authors: Zhao, Xudong ; Zhang, Yimin

Source title: Wear

12. Accession number: 20233114465576

Title: LQR Control Strategy for Electromagnetic Active Suspension Considering Energy Consumption

Authors: Sun, Feng ; Xing, Dazhuang ; Zhou, Ran ; Jin, Junjie ; Xu, Fangchao

Source title: Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University

13. Accession number: 20233014448603

Title: Modeling and Characteristic Analysis of a Magnetic Spring with High Static Stiffness and Low Dynamic Stiffness

Authors: Zhang, Ming ; Xie, Yansong ; Li, Hongtao ; Sun, Feng ; Xu, Fangchao ; Zhang, Lei

Source title: Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University

14. Accession number: 20233814770241

Title: Performance of Support Buffering Seat Based on Semi-active Magnetorheological Damping Control

Authors: Zeng, Zecui ; Feng, Yujian ; Zhang, Lei ; Yan, Ming ; Zhang, Chunhui ; Ju, Yuanyuan ; Wang, Tao

Source title : Zhendong Ceshi Yu Zhenduan/Journal of Vibration, Measurement and Diagnosis

15. Accession number: 20234014824716

Title: Vibration characteristics analysis of motorized spindle system using magnetic-ball bearing composite support

Authors: Xu, Fangchao ; Wang, Zhengxin ; Zhao, Chuan ; Sun, Feng ; Jin, Junjie ; Zhou, Junyu ; Zhao, Haining

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

16. Accession number: 20232814373644

Title: Microstructure and Friction and Wear Properties of Laser Deposition Repair GH4169/GH738 Alloy with Aging Heat Treatment

Authors: Bian, Hongyou ; Liu, Ziming ; Liu, Weijun ; Huo, Qingsheng ; Xu, Xiaowen ; Xing, Fei

Source title: Zhongguo Jiguang/Chinese Journal of Lasers

17. Accession number: 20232614308371

Title: Thermal Mechanics Coupling Analysis of Angular Contact Ball Bearings Installed in Pairs in Feed System

Authors: Li, Zhenjun ; Zhao, Chunyu

Source title: Zhongguo Jixie Gongcheng/China Mechanical Engineering

18. Accession number: 20234615043981

Title: Numerical Simulation and Experimental Study of Noise Reduction of Bladeless Fan Based on Acoustic Metamaterials

Authors: Wu, Xiupeng ; Chen, Changzheng ; Zhang, Dacheng ; Sun, Xianming ; Song, Yang ; Yang, Fan

Source title: Acoustics Australia

19. Accession number: 20234114864617

Title: A novel plate element based on absolute nodal coordinate formulation with collocation strategy

Authors: Wang, Jia ; Wang, Tengfei ; Zhang, Yulong ; Bian, Hongyou ; Liu, Weijun

Source title: Acta Mechanica

20. Accession number: 20234414993830

Title: Experimental analysis and modeling of subsurface cracks with random propagation for ceramic material on rolling contact fatigue

Authors: Li, Tao ; Shi, Huaitao ; Bai, Xiaotian ; Zhang, Ke ; Bin, Guangfu

Source title: Engineering Failure Analysis

21. Accession number: 20234715083644

Title: Simulation and experimental study on the stability and comfortability of the wheelchair human system under uneven pavement

Authors: Luo, Haitao ; Cao, Xuan ; Dong, Yuming ; Li, Yuxin

Source title: Frontiers in Bioengineering and Biotechnology

22. Accession number: 20234314966248

Title: Selective Maintenance on a Multistate System Executing Multiple Consecutive Missions Under Sequential Maintenance

Authors: Sun, Yao ; Zhou, Jie ; Sun, Zhili ; Wei, Zhe

Source title: IEEE Access

23. Accession number: 20234515023416

Title: Clinched joining mechanical performance in multiple states

Authors: Song, Chunyu ; Lei, Lei ; Yan, Ming

Source title: International Journal of Advanced Manufacturing Technology

24. Accession number: 20234214913005

Title: Simulation experimental investigations into material removal mechanism of SiC ceramic by using drilling-grinding composite machining

Authors: Liu, Yin ; Chen, Jiahao ; Sun, Xingwei ; Dong, Zhixu ; Yang, Heran ; Zhao, Hongxun ; Mu, Shibo ; Zhang, Weifeng ; Gong, Yadong ; Liu, Weijun

Source title: International Journal of Advanced Manufacturing Technology

25. Accession number: 20234214917448

Title: Analysis of rotor fatigue characteristics of permanent magnet synchronous motor spindle in eccentric state

Authors: Zhao, Haining ; Yu, Shenbo

- Source title:** International Journal of Applied Electromagnetics and Mechanics
- 26. Accession number:** 20234715101043
Title: Attention mechanism-based multisensor data fusion neural network for fault diagnosis of autonomous underwater vehicles
Authors: Shi, Huaitao ; Song, Zelong ; Bai, Xiaotian ; Zhang, Ke
Source title: Journal of Field Robotics
- 27. Accession number:** 20234615043811
Title: Acoustic signal analysis for gear fault diagnosis using a uniform circular microphone array
Authors: Li, Chi ; C., Chen; X., Gu
Source title: Journal of Mechanical Science and Technology
- 28. Accession number:** 20234415002235
Title: Effect of laser energy density on the microstructure and properties of Tribaloy T-800 coating fabricated by laser cladding on the DZ125 alloy
Authors: Xu, Xiaowen ; Bian, Hongyou ; Liu, Weijun ; Xing, Fei ; Song, Boxue ; Chen, Keqiang ; Liu, Ao
Source title: Materials Today Communications
- 29. Accession number:** 20234114854428
Title: Early performance degradation of ceramic bearings by a twin-driven model
Authors: Li, Tao ; Shi, Huaitao ; Bai, Xiaotian ; Zhang, Ke ; Bin, Guangfu
Source title: Mechanical Systems and Signal Processing
- 30. Accession number:** 20234114853411
Title: Design and Characteristics Study of Variable-stiffness Joint Based on Principle of Magnetic Flux Superposition
Authors: Zhang, Ming ; Li, Hongyu ; Wang, Chuanyang ; Xie, Yansong ; Fang, Lijin
Source title: Nongye Jixie Xuebao/Transactions of the Chinese Society for Agricultural Machinery
- 31. Accession number:** 20234414978003
Title: Modeling and vibration feature analysis of a spur gear-bearing system with a misaligned shaft angle
Authors: Zhao, Wei-qiang ; Liu, Jie ; Zhao, Wen-hui ; Wang, Hao ; Yang, Na
Source title: Nonlinear Dynamics
- 32. Accession number:** 20234414978003
Title: Modeling and vibration feature analysis of a spur gear-bearing system with a misaligned shaft angle
Authors: Zhao, Wei-qiang ; Liu, Jie ; Zhao, Wen-hui ; Wang, Hao ; Yang, Na
Source title: Nonlinear Dynamics
- 33. Accession number:** 20234314936209
Title: Effects of different paddling motion patterns and flexibility on hydrofoil propulsion performance
Authors: Peng, Linghui ; Zhang, Yu ; Zhao, Wenchuan ; Wang, Ning ; Luo, Jun
Source title: Ocean Engineering
- 34. Accession number:** 20234615063647

Title: Enhanced Feature Extraction Network Based on Acoustic Signal Feature Learning for Bearing Fault Diagnosis

Authors: Luo, Yuanqing ; Lu, Wenxia ; Kang, Shuang ; Tian, Xueyong ; Kang, Xiaoqi ; Sun, Feng

Source title: Sensors

35. Accession number: 20234314960405

Title: Restraint Friction Reduction Mechanism of Graphene Coating on Copper Substrate

Authors: Ran, Di ; Zheng, Peng ; Yuan, Ze-Wei ; Wang, Ning

Source title: Surface Technology

36. Accession number: 20234414978242

Title: Human-chatbot interaction studies through the lens of bibliometric analysis

Authors: Chen, Jiahao ; Guo, Fu ; Ren, Zenggen ; Wang, Xueshuang ; Ham, Jaap

Source title: Universal Access in the Information Society

37. Accession number: 20234515036621

Title: Advance in the sulfur-based electron donor autotrophic denitrification for nitrate nitrogen removal from wastewater

Authors: Shao, Lixin ; Wang, Dexi ; Chen, Gong ; Zhao, Xibo ; Fan, Lihua

Source title: World Journal of Microbiology and Biotechnology

38. Accession number: 20234314940338

Title: On-Machine Measuring System Based on Laser Triangular Displacement Sensor for Double-Headed Screw Rotor

Authors: Sun, Mengnan ; Dong, Zhixu ; Xu, Wei ; Liu, Mingxuan ; Sun, Xingwei

Source title: Zhongguo Jiguang/Chinese Journal of Lasers

39. Accession number: 20234815127179

Title: A fine-tuning deep residual convolutional neural network for emotion recognition based on frequency-channel matrices representation of one-dimensional electroencephalography

Authors: Chen, Jichi ; Cui, Yuguo ; Qian, Cheng ; He, Enqiu

Source title: Computer Methods in Biomechanics and Biomedical Engineering

40. Accession number: 20234915143479

Title: Analytical calculation of no-load air gap magnetic field of V-type interior permanent magnet synchronous motors

Authors: Zhai, Fengchen ; Yu, Shenbo ; He, Qingrao

Source title: Dianji yu Kongzhi Xuebao/Electric Machines and Control

41. Accession number: 20234915189703

Title: Research on the Improvement of Lithium-Ion Battery Performance at Low Temperatures Based on Electromagnetic Induction Heating Technology

Authors: Wang, Borui ; Yan, Mingyin

Source title: Energies

42. Accession number: 20234815139998

Title: Realization Mechanism and Development of Permanent Magnetic Levitation: A Review

Authors: Zhao, Chuan ; Sun, Feng ; Pei, Wenzhe ; Jin, Junjie ; Xu, Fangchao ; Oka, Koichi ; Yu, Suyuan

Source title: Jixie Gongcheng Xuebao/Journal of Mechanical Engineering

- 43. Accession number:** 20234815140196
Title: Gait Interaction Design of Lower Limb Rehabilitation Exoskeletons: A Review
Authors: Gao, Yicong ; Wang, Yankun ; Zheng, Hao ; Wei, Zhe ; Tan, Jianrong
Source title: Jixie Gongcheng Xuebao/Journal of Mechanical Engineering
- 44. Accession number:** 20234915178395
Title: A novel multi-objective tuning strategy for model predictive control in trajectory tracking
Authors: Chen, Jianqiao ; Tian, Guofu ; Fu, Yanbo
Source title: Journal of Mechanical Science and Technology
- 45. Accession number:** 20234815118230
Title: Interaction Between Gear Surface Wear and Contact Fatigue
Authors: Zhang, Shengnan ; Yan, Ming ; Wang, Yushi
Source title: Journal of Tribology
- 46. Accession number:** 20234915172996
Title: Characteristics of atomic removal and mechanism of damage formation in vibration-assisted nano cutting of copper-nickel alloy
Authors: He, Yan ; Gao, Zikai ; Tang, Meiling ; Sun, Xiaohan ; Gao, Peng ; Sun, Jingting
Source title: Materials Today Communications
- 47. Accession number:** 20234915156282
Title: Terminal sliding mode control based on recursive stochastic configuration network for ball mill lining replacement process
Authors: Tang, Yunze ; Qiao, Jinghui ; Chen, Yuxi
Source title : Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering
- 48. Accession number:** 20235115235252
Title: Effect of Galvanometer Scanning Speed on Surface Quality and Friction Characteristics of 7075 Aluminum Alloy During Laser Cleaning
Authors: Wang, Wei ; Shen, Jie ; Liu, Weijun ; Xing, Fei ; Zhang, Kai ; Li, Qiang ; Yu, Xingfu
Source title: Binggong Xuebao/Acta Armamentarii
- 49. Accession number:** 20235115235441
Title: Thermal-Mechanical Analysis of the Biaxial Stretch of Aviation Glass
Authors: Zhao, Wenhui ; Bai, Shihuan ; Gao, Dayong ; Li, Xiaowei ; Duan, Zhenyun
Source title: Binggong Xuebao/Acta Armamentarii
- 50. Accession number:** 20235115255358
Title: Investigation on edge defect characteristics and electronic transport characteristics of graphene nano cutting
Authors: Tang, Meiling ; Yuan, Zewei ; Sun, Jingting ; Sun, Xiaohan ; He, Yan ; Zhou, Xinbo
Source title: Modelling and Simulation in Materials Science and Engineering
- 51. Accession number:** 20235015209657
Title: RESEARCH ON FAULT DIAGNOSIS METHOD OF WIND TURBINE GENERATOR BEARINGS BASED ON DOMAIN ADAPTATION
Authors: Tian, Miao ; Su, Xiaoming ; Chen, Changzheng ; An, Wenjie ; Sun, Xianming

Source title: Taiyangneng Xuebao/Acta Energiae Solaris Sinica

52. Accession number: 20235115258846

Title: Study on the prediction method of ultra-micro adhesive transfer ratio based on controlling the change of physical parameters

Authors: Chen, Xi ; Liu, Huifang ; Cong, Xin ; Luo, Xuan ; Yu, Xingfu ; Liu, Zhanqi ; Chang, Yunlong

Source title: Experimental Thermal and Fluid Science

53. Accession number: 20235015215351

Title: Magnetic-linkage nonlinear piezoelectric energy harvester with time-varying potential wells: Theoretical and experimental investigations

Authors: Mei, Xutao ; Nan, Huawen ; Dong, Runhong ; Zhou, Ran ; Jin, Junjie ; Sun, Feng ; Zhou, Shengxi

Source title: Mechanical Systems and Signal Processing

(二) 材料科学与工程学院 (109 篇)

1. **Accession number:** 20232814382594
Title: Realizing efficient electrochemical overall water electrolysis through hierarchical CoP@NiCo-LDH nanohybrids
Authors: Wang, Mengdi ; Liu, Xingyu ; Wu, Xiang
Source title: Nano Energy
2. **Accession number:** 20233614672252
Title: Efficient synthesis of forsterite via high-temperature thermochemical reactions from boron mud waste without briquetting
Authors: Hu, Fangling ; Fu, Liangliang ; Zhang, Qingjin ; Xu, Guangwen ; Bai, Dingrong
Source title: Particuology
3. **Accession number:** 20232714346619
Title: Study on magnetic and thermodynamic characteristics of graphyne-like sandwich structure
Authors: Shi, Kai-Le ; Wang, Chao-Fan ; Jiang, Wei
Source title: Physica Scripta
4. **Accession number:** 20232614303808
Title: A Review of Fe-Based Amorphous and Nanocrystalline Alloys: Preparations, Applications, and Effects of Alloying Elements
Authors: Qi, Xiaojing ; You, Junhua ; Zhou, Jifeng ; Qiu, Keqiang ; Cui, Xiaoli ; Tian, Jia ; Li, Boliang
Source title: Physica Status Solidi (A) Applications and Materials Science
5. **Accession number:** 20233814757957
Title: Crystallization, structure and properties of PP-b-PE block copolymer
Authors: Hua, Xia ; Cheng, Jiahui ; Wang, Ying ; Liu, Li-Zhi ; Wang, Yuanxia ; Shi, Ying
Source title: Polymer
6. **Accession number:** 20232814382016
Title: Self-diagnosing and active protective dual-functional water-borne polyurethane coating based on smart mesoporous containers
Authors: Gu, Songhua ; Shi, Hongwei ; Li, Jianyang ; Xu, Hao ; Udoh, Inime Ime ; Liu, Fuchun ; Han, En-Hou
Source title: Progress in Organic Coatings
7. **Accession number:** 20233914776811
Title: La-doped micro-angular cube ZnSnO₃ with nano-La₂O₃ decoration for enhanced ethylene glycol sensing performance at low temperature
Authors: Zhao, Guanyu ; Li, Mingchun ; Li, Huifeng ; Ping, Zihan ; Wang, Peijie ; Wu, Yusheng ; Li, Laishi
Source title: Sensors and Actuators A: Physical
8. **Accession number:** 20233614689920
Title: Study of a magnetostrictive energy harvester for harvesting transient shock vibration
Authors: Wei, Linru ; Liu, Huifang ; Shu, Liang ; Zhao, Luyao ; Liu, Zhanqi ; Chang, Yunlong
Source title: Sensors and Actuators A: Physical

- 9. Accession number:** 20233314567057
Title: Corrosion and cavitation erosion behaviors of laser clad FeNiCoCr high-entropy alloy coatings with different types of TiC reinforcement
Authors: Wu, H. ; Wang, L. ; Zhang, S. ; Wu, C.L. ; Zhang, C.H. ; Sun, X.Y.
Source title: Surface and Coatings Technology
- 10. Accession number:** 20233414614762
Title: Influence of Ta + Al on the microstructure evolution of two Ru-containing Ni-based single crystal superalloys deposited with $\gamma' + \beta$ NiAl coating at extremely high temperature
Authors: Ge, M.T. ; Li, Y.M. ; Tan, Z.H. ; Tao, X.P. ; Yang, Y.H. ; Liu, J.D. ; Liu, J.L. ; Zou, M.K. ; Zhang, C.H. ; Zhang, S. ; Wang, X.G. ; Li, J.G. ; Zhou, Y.Z. ; Sun, X.F.
Source title: Surface and Coatings Technology
- 11. Accession number:** 20233514660104
Title: Effect of synergistic cavitation erosion-corrosion on cavitation damage of CoCrFeNiMn high entropy alloy layer by laser cladding
Authors: Zhao, T. ; Wang, L. ; Zhang, S. ; Zhang, C.H. ; Sun, X.Y. ; Chen, H.T. ; Bai, X.L. ; Wu, C.L.
Source title: Surface and Coatings Technology
- 12. Accession number:** 20233914801740
Title: High performance tin-based Babbitt coatings deposited by high-pressure cold spraying
Authors: Zhang, Xiaoqiang ; Wu, Sanshuan ; Liu, Weijie ; Chu, Xin ; Xie, Yingchun ; Zhang, Fan
Source title: Surface and Coatings Technology
- 13. Accession number:** 20233314567377
Title: Tribological properties and sulfuric acid corrosion resistance of laser clad CoCrFeNi high entropy alloy coatings with different types of TiC reinforcement
Authors: Wu, H. ; Wang, L. ; Zhang, S. ; Wu, C.L. ; Zhang, C.H. ; Sun, X.Y. ; Chen, J.
Source title: Tribology International
- 14. Accession number:** 20233814736592
Title: Improvement of memristive switching of Pb(Zr_{0.52}Ti_{0.48})O₃/Nb:SrTiO₃ heterostructures via La doping
Authors: Yue, Zhi Yun ; Lin, Jun Liang ; Bai, Yu ; Zhang, Zhi Dong ; Wang, Zhan Jie
Source title: Vacuum
- 15. Accession number:** 20232714332538
Title: Study on arc characteristics under high-frequency sine wave pulse current and effect of weld appearance and microstructure of AISI444 ferritic stainless steel
Authors: Dong, Zhihai ; Li, Yiwen ; Miu, Junyan ; Liu, Zhanqi ; Chang, Chenhe ; Chang, Yunlong
Source title: Welding International
- 16. Accession number:** 20233114460043
Title: Research Progress on Ferroelectric Superlattices
Authors: Lin, Junliang ; Wang, Zhanjie
Source title: Wuji Cailiao Xuebao/Journal of Inorganic Materials
- 17. Accession number:** 20234014828602

Title: Effect of Processing Parameters on Microstructure and Mechanical Properties of Ta Prepared by Selective Laser Melting

Authors: Qin, Feng ; Shen, Zhengyan ; Shi, Qi ; Zhou, Ge ; Yao, Dao ; Zhao, Yumin ; Liu, Xin ; Chen, Lijia

Source title: Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering

18. Accession number: 20234715078581

Title: Parameter Identification Strategy of Yield Criterion for Accurately Predicting Anisotropic Behaviors under Near Plane Strain Loading

Authors: Du, Kai ; Ren, Yanqiang ; Hou, Yong ; Li, Xiaoqiang ; Chen, Shuaifeng ; Sun, Liang ; Zuo, Xiaojiao ; Yuan, Xiaoguang

Source title: Zhongguo Jixie Gongcheng/China Mechanical Engineering

19. Accession number: 20234314960687

Title: Highly Reversible Zn Metal Anode with Low Voltage Hysteresis Enabled by Tannic Acid Chemistry

Authors: Cao, Jin ; Zhang, Dongdong ; Chanajaree, Rungroj ; Yue, Yilei ; Zhang, Xinyu ; Yang, Xuelin ; Cheng, Chong ; Li, Shuang ; Qin, Jiaqian ; Zhou, Jiang ; Zeng, Zhiyuan

Source title: ACS Applied Materials and Interfaces

20. Accession number: 20234615056594

Title: Microstructural Stability and Stress Rupture Property of a 6Re/3Ru Containing Nickel-based Single Crystal Superalloy

Authors: Chen, Ruizhi ; Liu, Lirong ; Guo, Shengdong ; Zhang, Mai ; Lu, Guangxian ; Li, Yuan ; Zhao, Yunsong ; Zhang, Jian

Source title: Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research

21. Accession number: 20234214904509

Title: Enhanced energy storage properties of $(\text{Bi}_{0.2}\text{Na}_{0.2}\text{Ca}_{0.2}\text{Ba}_{0.2}\text{Sr}_{0.2})(\text{Ti}_{1-x}\text{Zr}_x)\text{O}_3$ high entropy ceramics by Zr doping at B-site

Authors: Niu, Yiwen ; Zhang, Fan ; Zhang, Xue ; Zhang, Zhiqiang ; Bai, Yu ; Wang, Zhan Jie

Source title: Ceramics International

22. Accession number: 20234214922479

Title: Dual regulation of crystal structure and purity of Ti_2SC in the $\text{Ti}/\text{TiC}/\text{FeS}_2$ system via enhancing reactant contact and controlling crystal plane growth rates

Authors: Pang, Sheng ; Cong, Liangwei ; Xu, Youpeng ; Sun, Yiwei ; Wang, Dong ; Qian, Guoyu ; Wang, Zhi

Source title: Ceramics International

23. Accession number: 20234314936365

Title: Effect of pulsed electric field on the nanocrystalline growth of magnetron-sputtered TiAlN hard coatings

Authors: Lü, Wenzhang ; Li, Guojian ; Li, Xianliang ; Liu, Shiyong ; Deng, Jiwu ; Wang, Qiang

Source title: Ceramics International

24. Accession number: 20234615055651

Title: An experimental investigation of high-temperature thermochemical conversion of oil shale residues into valuable materials

- Authors:** Song, Jia ; Fu, Liangliang ; Zou, Xu ; Li, Yafu ; Zhang, Qingjin ; Xu, Guangwen ; Bai, Dingrong
Source title: Chemical Engineering Science
- 25. Accession number:** 20234615044406
Title: Mechanical properties, tensile strength, anisotropy and electronic properties of ZrxSiy intermetallics
Authors: Xu, Binghui ; Zhang, Xudong ; Wang, Feng
Source title: Chemical Physics Letters
- 26. Accession number:** 20234615058910
Title: First-principles prediction on the structural stability, electronic and mechanical properties of TixBy phases
Authors: Wang, Xiaoming ; Ma, He ; Zhang, Xudong ; Chen, Lijia ; Wu, Hao
Source title: Chemical Physics Letters
- 27. Accession number:** 20233414603854
Title: Effect of mold and core preheating temperature on corrosion resistance of casting Al-12Si alloy U-shaped cooling channel
Authors: Li, Guang-long ; Zhang, Jie ; Wang, Meng-yu ; Su, Rui-ming ; Cao, Yang ; Qu, Ying-dong
Source title: China Foundry
- 28. Accession number:** 20233414603686
Title: Effect of heat treatment on microstructure, mechanical and tribological properties of in-situ (TiC+TiB)/TC4 composites by casting
Authors: Zheng, Bo-wen ; Chen, Shuai ; Yue, Chun-yu ; Lin, Xue-jian ; Dong, Fu-yu ; Huang, Hong-jun ; Zuo, Xiao-jiao ; Wang, Yin-xiao ; Yuan, Xiao-guang
Source title: China Foundry
- 29. Accession number:** 20233414603815
Title: High-temperature oxidation behavior of a cast Ti-47.5Al-2.5V-1.0Cr-0.2Zr alloy
Authors: Lin, Xue-jian ; Huang, Hong-jun ; Yuan, Xiao-guang ; Wang, Yin-xiao ; Zheng, Bo-wen ; Zuo, Xiao-jiao ; Zhou, Ge
Source title: China Foundry
- 30. Accession number:** 20233414603706
Title: Improvement of microstructure, mechanical properties, and corrosion resistance of WE43 alloy by squeeze casting
Authors: Bian, Jian-cong ; Yu, Bao-yi ; Hao, Jian-fei ; Zhu, Hui-wen ; Wu, Hui-shu ; Chen, Bin ; Li, Wei-rong ; Li, Yan-fang ; Zheng, Li ; Li, Run-xia
Source title: China Foundry
- 31. Accession number:** 20233414603758
Title: Effect of TiO₂ nano-ceramic particles on microstructure and mechanical properties of Al_{0.4}CoCrFe₂Ni₂ high-entropy alloy
Authors: Qi, Hao ; Li, Guang-long ; Zhang, Wei ; Lü, Qing-yao ; Li, Rong-de ; Xie, Si-chen ; Shi, Yu ; Yu, Bo ; Chen, Rui-run ; Qu, Ying-dong
Source title: China Foundry
- 32. Accession number:** 20234715095200
Title: High-Capacity Aqueous Zn/MnO₂ Batteries: A Clue of K Ion Preintercalation

- Authors:** Li, Shilong ; Zhao, Ming ; Zhang, Dongdong ; Wu, Xiang
Source title: Crystal Growth and Design
- 33. Accession number:** 20234414984765
Title: Surfactant-Assisted Preparation of Nanorod La₂O₃ Catalysts for Oxidative Coupling of Methane
Authors: Yue, Junrong ; Xiao, Qingyue ; Zhao, Dawei ; Guan, Yu ; Liu, Jiao ; Xu, Guangwen
Source title: Energy and Fuels
- 34. Accession number:** 20234615051124
Title: The synergistic effect of Ni and C14 Laves phase on the hydrogen storage properties of TiVZrNbNi high entropy hydrogen storage alloy
Authors: Liang, Jian ; Li, Guanglong ; Ding, Xin ; Li, Yue ; Wen, Zhen ; Zhang, Tong ; Qu, Yingdong
Source title: Intermetallics
- 35. Accession number:** 20234214905056
Title: Enhanced fracture toughness stability of (B,Y)-contained TiAl-based alloy prepared by cold crucible directional solidification
Authors: Dong, Shulin ; Wu, Wei ; Chen, Ruirun ; Qu, Yingdong ; Guo, Jingjie ; Li, Guanglong ; Zhang, Wei ; Fu, Hengzhi ; Yu, Bo
Source title: Intermetallics
- 36. Accession number:** 20234414997417
Title: Research progress on surface reconstruction of transition metal sulfides (TMS, M=Fe, Co, Ni) as precatalysts for oxygen evolution reaction
Authors: Zhang, Shiqi ; Cheng, Ying ; Wang, Peng ; Lei, Xuefei ; You, Junhua ; Guo, Rui ; Zhang, Hangzhou
Source title: International Journal of Hydrogen Energy
- 37. Accession number:** 20234314953809
Title: Effect of Secondary Aging on Microstructure and Properties of Cast Al - Cu - Mg - Ag Alloy
Authors: Guo, Jincheng ; Su, Ruiming ; Li, Guanglong ; Qu, Yingdong
Source title: International Journal of Metalcasting
- 38. Accession number:** 20234515036588
Title: Effect of Carbon Dioxide Temperature on Adhesion of Na₂SiO₃ Binder to Silica Sand Surface: Comparison of Experimental Data with Molecular Dynamics Simulations
Authors: Li, Qinghua ; Zhang, Jingkai ; Song, Lai ; Liu, Weihua ; Liu, Bao ; Li, Yang ; Li, Yingmin
Source title: International Journal of Metalcasting
- 39. Accession number:** 20234715083549
Title: Effects of Ni Content on Solidification Behavior and Hot Tearing Susceptibility of LPSO-Reinforced Mg - 4Y - xNi alloys
Authors: Mu, Weipeng ; Wei, Ziqi ; Mao, Pingli ; Wang, Feng ; Wang, Zhi ; Zhou, Le ; Liu, Zheng
Source title: International Journal of Metalcasting
- 40. Accession number:** 20234314927941

- Title:** Improving the High-Temperature Oxidation Resistance of Cast WE43 Magnesium Alloy by Adding Ca Element
Authors: Zhu, Huiwen ; Yu, Baoyi ; Li, Lei ; Xia, Mengyuan ; Zheng, Li ; Zhang, Hao
Source title: International Journal of Metalcasting
- 41. Accession number:** 20234114862448
Title: Highly reversible aqueous Zn battery based VS4 microcrystal cathode
Authors: Zhao, Shiqi ; Liu, Jingxuan ; Wu, Xiang
Source title: Ionics
- 42. Accession number:** 20234715098709
Title: Recovery of Alumina and Alkali from Red Mud Using NaFeO₂ (NF) as an Additive in the Hydrothermal Process
Authors: Shao, Jun ; Li, Laishi ; Wu, Yusheng ; Wang, Yalei ; Liu, Feng
Source title: JOM
- 43. Accession number:** 20234214903413
Title: Quasi-in situ observation of extension twinning of AZ31 magnesium alloy under co-directional dynamic compression
Authors: Zhou, Le ; Yan, Ruihua ; He, Zhenyu ; Wang, Zhi ; Wang, Feng ; Wei, Ziqi ; Mao, Pingli ; Liu, Zheng
Source title: Journal of Alloys and Compounds
- 44. Accession number:** 20234014836941
Title: Novel Fe-doped BiOI nanosheets attaching surface Fe (III) clusters: Additional superoxide radical and enhanced charge separation efficiency for remarkable tetracycline decomposition
Authors: Li, Huifeng ; Li, Mingchun ; Song, Minggao ; Wang, Peijie ; Ping, Zihan ; Zhao, Guanyu ; Wu, Yusheng ; Li, Laishi
Source title: Journal of Alloys and Compounds
- 45. Accession number:** 20233914783885
Title: Hot deformation behavior of near- β titanium alloy Ti-3Mo-6Cr-3Al-3Sn based on phenomenological constitutive model and machine learning algorithm
Authors: Liu, Xuejia ; Zhang, Haoyu ; Zhang, Shuai ; Peng, Wen ; Zhou, Ge ; Wang, Chuan ; Chen, Lijia
Source title: Journal of Alloys and Compounds
- 46. Accession number:** 20234615058521
Title: Study on the wear resistance and mechanism of AlCrCuFe₂NiTi_x high-entropy surfacing alloys
Authors: Liang, Xuwei ; Su, Yunhai ; Yang, Taisen ; Dai, Zhiyong ; Wang, Yingdi ; Yong, Xingping
Source title: Journal of Alloys and Compounds
- 47. Accession number:** 20234615071747
Title: Boosting Zn metal anode stability with a dimethylformamide additive
Authors: Cao, Jin ; Wang, Xu ; Zhang, Dongdong ; Chanajaree, Rungroj ; Zhang, Lulu ; Qin, Jiaqian ; Yang, Xuelin
Source title: Journal of Alloys and Compounds
- 48. Accession number:** 20234214924894

Title: A polyurethane coating using CoMOF-BTA metal-organic framework for active protection of AA2024-T3

Authors: Nwokolo, Izuchukwu K. ; Shi, Hongwei ; Ikeuba, Alexander I. ; Zhang, Wanyu ; Liu, Fuchun ; Han, En-Hou

Source title: Journal of Coatings Technology and Research

49. Accession number: 20234615051490

Title: Hydrangea-like MoS₂/carbon dots anode for high-performance sodium storage

Authors: Wang, Yan ; Wang, Qing ; Liu, Wuxin ; Wei, Yuli ; Wang, Shasha ; Luo, Shaohua ; Zhang, Yahui ; Hou, Pengqing ; Yan, Shengxue ; Liu, Xin ; Guo, Jing

Source title: Journal of Colloid and Interface Science

50. Accession number: 20234414985215

Title: Enhanced water electrolysis performance of bifunctional NiCoP electrocatalyst in alkaline media

Authors: Wang, Dengke ; Umar, Ahmad ; Wu, Xiang

Source title: Journal of Electroanalytical Chemistry

51. Accession number: 20234214922372

Title: Efficient wastewater disinfection through FeOOH-mediated photo-Fenton reaction: A review

Authors: Wang, Chen ; Shi, Peng ; Wang, Zhaobo ; Guo, Rui ; You, Junhua ; Zhang, Hangzhou

Source title: Journal of Environmental Chemical Engineering

52. Accession number: 20234214906350

Title: Mechanical properties and thermal deformation behavior of low-cost titanium matrix composites prepared by a structure-optimized Y₂O₃ crucible

Authors: Dang, Qian ; Huang, Gang ; Wang, Ye ; Zhang, Chi ; Liu, Guo-huai ; Wang, Zhao-dong

Source title: Journal of Iron and Steel Research International

53. Accession number: 20234615053651

Title: Investigating the Effect of Fixation Tension on the Thermal Analysis Process and Crystal Structure of Polyacrylonitrile (PAN) Fibers

Authors: Cui, Ye ; Liu, Li-Zhi ; Song, Lixin ; Wang, Yuanxia ; Li, Sanxi ; Shi, Ying

Source title: Journal of Macromolecular Science, Part B: Physics

54. Accession number: 20234715075360

Title: A long-term stable zinc metal anode enabled by a mannitol additive

Authors: Zhang, Dongdong ; Cao, Jin ; Dai, Zhiqiang ; Chanajaree, Rungroj ; Yang, Chengwu ; Wu, Xiang ; Zhang, Xinyu ; Qin, Jiaqian

Source title: Journal of Materials Chemistry A

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Title: In situ formation of a ZnS/In interphase for reversible Zn metal anodes at ultrahigh currents and capacities

Authors: Yang, Chengwu ; Woottapanit, Pattaraporn ; Cao, Jin ; Yue, Yilei ; Zhang, Dongdong ; Yi, Jin ; Zeng, Zhiyuan ; Zhang, Xinyu ; Qin, Jiaqian ; Wang, Yonggang

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Title: Effect of Al on the Microstructure and Properties of Fe-Cr-C-N System Surfacing Alloy

Authors: Ai, Xingyu ; Liu, Zhengjun ; Zou, Zongxuan

Source title: Journal of Materials Engineering and Performance

57. Accession number: 20234615057301

Title: Characterization of the Corrosion Mechanism of Cu/Al Clad Plates in Simulated Acid Rain Solution

Authors: Zhang, Yifan ; Yuan, Xiaoguang ; Zuo, Xiaojiao

Source title: Journal of Materials Engineering and Performance

58. Accession number: 20234214918042

Title: Comparative Study on the Microstructure, Wear Behavior, and Corrosion Performance of Iron-Based and Cobalt-Based Coatings Fabricated by Laser Cladding

Authors: Jin, F. ; Zhang, S. ; Wu, C.L. ; Zhang, C.H. ; Sun, X.Y. ; Bai, X.L.

Source title: Journal of Materials Engineering and Performance

59. Accession number: 20234515019491

Title: The Influence Mechanism of Alternating Magnetic Field on Microstructure and Mechanical Properties of Ti-6Al-4V Alloy

Authors: Ding, Laifa ; Wang, Haiyan ; Zeng, Zhibin ; Vladyslav, Khaskin ; Chen, Lijia ; Li, Feng ; Zhang, Yupeng ; Qin, Binhao

Source title: Journal of Materials Engineering and Performance

60. Accession number: 20234515032546

Title: Fabrication of an ultra-thin and ordered SPEEK proton exchange membrane by a Langmuir-Blodgett self-assembly process

Authors: Zhang, Yuqing ; Zhang, Ailing ; He, Huiyang ; Fan, Yuting ; Li, Yongjiang ; Wang, Song ; Li, Sanxi

Source title: Journal of Membrane Science

61. Accession number: 20234114848873

Title: Effect of Sn/Ca Mass Ratio on the Second Phase, Corrosion Behavior and Discharge Performance of Mg-xSn-1Ca Mg-Air Battery Anodes

Authors: Le, Taihe ; Mao, Pingli ; Hu, Wenyi ; Le, Qichi

Source title: Journal of the Electrochemical Society

62. Accession number: 20234615066884

Title: Study on the Mechanical Properties and Mechanism of a Nickel-Iron Slag Cement-Based Composite under the Action of Sodium Sulfate

Authors: Zhang, Jingyu ; Zhou, Yuwan ; Chen, Sili ; Meng, Jinzhu ; Wang, Junxiang

Source title: Materials

63. Accession number: 20234214908749

Title: Modeling of Eyring's Anisotropic Yield Criterion Considering Strength Differential Effect and Analysis of Optimal Calibration Strategy

Authors: Du, Kai ; Dong, Li ; Zhang, Hao ; Mu, Zhenkai ; Dong, Hongrui ; Wang, Haibo ; Ren, Yanqiang ; Sun, Liang ; Zhang, Liang ; Yuan, Xiaoguang

Source title: Materials

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Title: Role of microstructural stability and superdislocation shearing on creep behavior of two low-cost Ni-based single crystal superalloys at 1100 ° C/130 MPa

Authors: Lv, Peisen ; Liu, Lirong ; Yang, Yanhong ; Zhao, Yunsong ; Zhang, Jian

Source title: Materials Science and Engineering: A

65. Accession number: 20234715084821

Title: Corrigendum to 'Theoretical study of the photocatalytic activity of hBNC/MoSX (X = Se, Te) heterojunctions' [Mater. Today Commun. 37(2023) 107468] (Materials Today Communications (2023) 37, (S2352492823021591), (10.1016/j.mtcomm.2023.107468))

Authors: He, Jianlin ; Liu, Guili ; Zhang, Chunwei ; Zhang, Guoying

Source title: Materials Today Communications

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Authors: He, Jianlin ; Liu, Guili ; Zhang, Chunwei ; Zhang, Guoying

Source title: Materials Today Communications

67. Accession number: 20234314958371

Title: Dynamic compression properties and microstructural evolution of ZCW612 alloy under different strain levels

Authors: Xu, Chenkun ; Gao, Shoukang ; Zhou, Le ; Wang, Zhi ; Wang, Feng ; Zhang, Weihai ; Wei, Ziqi ; Mao, Pingli

Source title: Materials Today Communications

68. Accession number: 20234615057239

Title: Flow Stress Behavior and Governing Equation of Plastic Flow of Low-Carbon Steel at Elevated Temperatures

Authors: Wang, Z.Y. ; Ma, M.X. ; Zhong, S. ; Zhang, S. ; Feng, J. ; Wu, H.L. ; Cao, Yu.

Source title: Metal Science and Heat Treatment

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Title: Reaction behavior of high manganese and high aluminum steel with chromium-containing ladle filler sand

Authors: Kong, Lingzhong ; Kang, Ming ; Zang, Ximin ; Li, Shisen ; Yang, Jie

Source title: Micro and Nanostructures

70. Accession number: 20234715078784

Title: Review of Bi-based catalysts in piezocatalytic, photocatalytic and piezo-photocatalytic degradation of organic pollutants

Authors: Cheng, Ying ; Zhang, Yubo ; Wang, Zhaobo ; Guo, Rui ; You, Junhua ; Zhang, Hangzhou

Source title: Nanoscale

71. Accession number: 20234615062798

Title: Effect of nanometer zinc oxide and processing technology on the properties of antibacterial composites

Authors: Wang, Ying ; Wang, Ting ; Liu, Li-Zhi ; Wang, Yuanxia ; Song, Lixin ; Shi, Ying

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Title: Flow regimes and transitions in an ultra-high temperature gas-solid fluidized bed

- Authors:** Zhang, Qingjin ; Fu, Liangliang ; Xu, Guangwen ; Bai, Dingrong
Source title: Powder Technology
- 73. Accession number:** 20234314937615
Title: The lattice vibration, mechanical anisotropy, stress-strain behavior and electronic properties of $ZrxCu_ySiz$ intermetallics: A first-principles study
Authors: Li, Chen ; Zhang, Xudong ; Wang, Feng
Source title: Solid State Communications
- 74. Accession number:** 20234615043634
Title: Effects of Dual-Phase Region Quenching Treatment on Microstructure and Mechanical Properties of 24CrNiMo Low-Alloy Steel Prepared by Selective Laser Melting
Authors: Cui, Xue ; Wang, Tao ; Wang, Li ; Zhang, Song ; Zhang, Chunhua ; Wu, Chenliang ; Zong, Weian ; Sun, Xueying ; Chen, Haitao
Source title: Steel Research International
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Title: Preparation and Properties of Cold Sprayed Copper Coating on Stainless Steel Surface
Authors: Zhang, Long-Long ; Huang, Ji-Bo ; Li, De-Yuan ; Deng, Chun-Ming ; Huang, Ren-Zhong ; Zhang, Nan-Nan ; Xie, Ying-Chun
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Title: Effects of Agglomerated Powder Particle Size on Performance of GYbZ Thermal Barrier Coating Prepared by PS-PVD
Authors: Yang, Shuo ; Mao, Jie ; Deng, Zi-Qian ; Hu, Fang ; Deng, Chun-Ming ; Deng, Chang-Guang
Source title: Surface Technology
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Title: Structure and Wear Resistance of CuZn35 Coating Prepared by Cold Spraying
Authors: Zhang, Long-Long ; Huang, Ji-Bo ; Diao, Peng-Yuan ; Li, De-Yuan ; Huang, Ren-Zhong ; Zhang, Nan-Nan ; Xie, Ying-Chun
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- 78. Accession number:** 20234615053338
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Authors: Wang, Junru ; Liu, Taikai ; Song, Jiawei ; Wang, Xianbin ; Deng, Chunming ; Wang, Yingxiao
Source title: Taiyangneng Xuebao/Acta Energiae Solaris Sinica
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Authors: CAI, Ke-xing ; LUO, Shao-hua ; CONG, Jun ; LI, Kun ; YAN, Sheng-xue ; HOU, Peng-qing ; WANG, Qing ; ZHANG, Ya-hui ; LIU, Xin
Source title: Transactions of Nonferrous Metals Society of China (English Edition)
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Title: Parameter Identification Strategy of Yield Criterion for Accurately Predicting Anisotropic Behaviors under Near Plane Strain Loading

Authors: Du, Kai ; Ren, Yanqiang ; Hou, Yong ; Li, Xiaoqiang ; Chen, Shuaifeng ; Sun, Liang ; Zuo, Xiaoqiao ; Yuan, Xiaoguang

Source title: Zhongguo Jixie Gongcheng/China Mechanical Engineering

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Title: Interfacial Double-Coordination Effect Guiding Uniform Electrodeposition for Reversible Zinc Metal Anode

Authors: Cao, Jin ; Sun, Yongxin ; Zhang, Dongdong ; Luo, Ding ; Zhang, Lulu ; Chanajaree, Rungroj ; Qin, Jiaqian ; Yang, Xuelin ; Lu, Jun

Source title: Advanced Energy Materials

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Title: Nano hollow carbon regulated by carbon dots as a high-performance anode for potassium and sodium ion battery

Authors: Wei, Yuli ; Wang, Qing ; Liu, Qing ; Wang, Rongzhe ; Wang, Yan ; Luo, Shaohua ; Zhang, Yahui ; Hou, Pengqing ; Yan, Shengxue ; Liu, Xin ; Guo, Jing

Source title: Applied Surface Science

83. Accession number: 20234915153191

Title: Investigation on the relation of microstructures and CMAS corrosion resistance of high entropy RE disilicates

Authors: Xiao, Guozheng ; Shen, Qiyu ; Tian, Yue ; Wang, Chao ; Lu, Xuefeng ; Li, Liuyuan ; Liu, Shiyong ; Wu, Yusheng ; Wang, Zhanjie

Source title: Corrosion Science

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Title: Improved thermal properties and CMAS corrosion resistance of rare-earth monosilicates by adjusting the configuration entropy with RE-doping

Authors: He, Yuxuan ; Xiao, Guozheng ; Wang, Chao ; Lu, Xuefeng ; Li, Liuyuan ; Liu, Shiyong ; Wu, Yusheng ; Wang, Zhanjie

Source title: Corrosion Science

85. Accession number: 20234815131272

Title: A generalized, computationally versatile plasticity model framework - Part I: Theory and verification focusing on tension-compression asymmetry

Authors: Hou, Yong ; Du, Kai ; Min, Junying ; Lee, Hyung-Rim ; Lou, Yanshan ; Park, Namsu ; Lee, Myoung-Gyu

Source title: International Journal of Plasticity

86. Accession number: 20234815117257

Title: The effect of the volume fraction of nanocrystals on the brittleness of Fe-based amorphous/nanocrystalline alloys simulated by molecular dynamics

Authors: Zhang, Yiran ; Pang, Jing ; Xiang, Qingchun ; Yang, Dong ; Ren, Yinglei ; Li, Xiaoyu ; Qiu, Keqiang

Source title: Journal of Non-Crystalline Solids

87. Accession number: 20234915173576

Title: Corrosion behavior of N-containing low Ni deposited metal and Inconel 625 deposited metal in 40 mol% MgCl₂ + 60 mol% KCl molten salt at 600 ° C

Authors: Yang, Taisen ; Zhang, Guiqing ; Dai, Zhiyong ; Liang, Xuwei ; Wang, YingDi ; Su, Yunhai

- Source title:** Materials Letters
- 88. Accession number:** 20234815138282
Title: Effect of non-isothermal aging on the microstructure and properties of Al-Zn-Mg-Cu alloys
Authors: Wang, Yuezhu ; Su, Ruiming ; Li, Guanglong ; Qu, Yingdong
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- 89. Accession number:** 20234915182664
Title: Study on thermal deformation constitutive model of NiCoFeAlCrMo high-entropy alloy with FCC / L12 coherent structure
Authors: Xueyu, Jiang ; Xin, Che ; Ge, Zhou ; Yunsheng, Zhang ; Haoyu, Zhang ; Siqian, Zhang ; Lijia, Chen ; Xue, Cao
Source title: Materials Today Communications
- 90. Accession number:** 20234815115831
Title: The interface bonding properties of Mg/SiC composite doped with Zr, Al, and Zn elements: A first-principles study
Authors: Dai, Yijian ; Zhou, Le ; Mao, Pingli ; Wang, Zhi ; Wei, Ziqi ; Xu, Chenkun
Source title: Materials Today Communications
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Title: Microstructural morphology and mechanical properties of deep cryogenic treatment modified Al-Cu-Mg-Ag alloy
Authors: Guo, Jincheng ; Jin, Meiling ; Su, Ruiming ; Li, Guanglong ; Qu, Yingdong
Source title: Materials Today Communications
- 92. Accession number:** 20234915147786
Title: Investigation of deformation behavior of Mg-2Ho alloy based on hyperbolic sine constitutive equation and PSO-BP neural network
Authors: Li, Xiaowei ; Liu, Yafei ; Luan, Shiyu ; Ma, Deqing ; Liu, Xiaoyu ; Liu, Qiangbing ; Wang, Jinhui
Source title: Materials Today Communications
- 93. Accession number:** 20234915143626
Title: Corrosion Behavior of Semi-Solid Formed Mg - Zn - Zr - Nd Alloy
Authors: Sun, Hao ; Zhao, Zhanyong ; Wang, Zhi ; Li, Weirong ; Yu, Jiangwei ; Gao, Fei ; Cai, Minghui ; Li, Yanfang ; Iskandarovich, Giyasov S. ; Tie, Di
Source title: Materials Transactions
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Authors: Zhang, Qingjin ; Fu, Liangliang ; Xu, Guangwen ; Bai, Dingrong
Source title: Particuology
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Title: Effect of Cr₂O₃ Addition on Sintering Behavior of Novel Chromite-Based Ladle Filler Sand
Authors: Li, Shi-Sen ; Kong, Ling-Zhong ; Zang, Xi-Min
Source title: Steel Research International
- 96. Accession number:** 20234915145135

- Title:** Influence of Si content on thermoelectric properties of Mg₂(Sn,Si) films by sputtering
Authors: Mo, Huiqi ; Song, Guihong ; Ran, Liyang ; Han, Xinghai ; Hu, Fang ; Wu, Yusheng ; You, Junhua
Source title: Vacuum
- 97. Accession number:** 20234815140056
Title: Study on microstructure characterization and mechanical properties of AISI 444 ferritic stainless steel joint by high-frequency pulse K-TIG welding
Authors: Dong, Zhihai ; Tian, Ye ; Hao, Tingting ; Li, YiWen ; Miu, JunYan ; Cui, XinYing ; Chang, Chenhe ; Chang, Yunlong
Source title: Welding in the World
- 98. Accession number:** 20235115261400
Title: Investigation of the Microstructure of PAN Precursor Fibers Obtained at Various Processing Stages
Authors: Hua, Xia ; Cui, Ye ; Liu, Li-Zhi ; Wang, Yuanxia ; Shi, Ying
Source title: Journal of Macromolecular Science, Part B: Physics
- 99. Accession number:** 20235115247014
Title: Microstructure, Mechanical and Wear Properties of Short Carbon Fiber-Reinforced AM50 Magnesium Matrix Composite
Authors: Lv, Guofeng ; Wang, Feng ; Du, Xudong ; Mao, Pingli ; Zhou, Le ; Wei, Ziqi ; Li, Jinwei
Source title: International Journal of Metalcasting
- 100. Accession number:** 20235015198920
Title: Microstructure and Mechanical Properties of Semi-Solid Die Casting Mg - 5Zn - 2Gd - 0.6Zr Alloy
Authors: Liu, Jiahui ; Wang, Feng ; Lang, Zihan ; Du, Xudong ; Wang, Zhi ; Li, Jinwei
Source title: International Journal of Metalcasting
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Title: Morphologies, structures, and properties on blends of triblock copolymers and linear low-density polyethylene
Authors: Wang, Ying ; Wu, Shangfeng ; Liu, Li-Zhi ; Chen, Hao ; Wang, Yuanxia ; Song, Lixin ; Shi, Ying
Source title: Journal of Polymer Engineering
- 102. Accession number:** 20235015221821
Title: Microstructure and Thermoelectric Properties of Bi-doped β -Cu₂Se Film
Authors: Zhou, Zheng-Xu ; Chen, Yu ; Song, Gui-Hong ; Hu, Fang ; Wu, Yu-Sheng ; You, Jun-Hua
Source title: Surface Technology
- 103. Accession number:** 20235015209875
Title: Effect of deformation amount on microstructure and properties of AA2024-T8I4 aluminum alloy
Authors: Zhu, Mei-Yi ; Jia, Yong-Xin ; Su, Rui-Ming ; Li, Guang-Long ; Qu, Ying-Dong
Source title: Zhongguo Youse Jinshu Xuebao/Chinese Journal of Nonferrous Metals
- 104. Accession number:** 20235015217010

Title: Architecting a High-Energy-Density Rocking-Chair Zinc-Ion Batteries via Carbon-Wrapped Vanadium Dioxide

Authors: Zhang, Dongdong ; Cao, Jin ; Zhang, Xinyu ; Qin, Jiaqian ; Zeng, Zhiyuan

Source title: ACS Applied Materials and Interfaces

105. Accession number: 20235015197804

Title: Development and characterization of a novel maraging steel fabricated by laser additive manufacturing

Authors: Xu, T.Z. ; Zhang, S. ; Du, Y. ; Wu, C.L. ; Zhang, C.H. ; Sun, X.Y. ; Chen, H.T. ; Chen, J.

Source title: Materials Science and Engineering: A

106. Accession number: 20235115258846

Title: Study on the prediction method of ultra-micro adhesive transfer ratio based on controlling the change of physical parameters

Authors: Chen, Xi ; Liu, Huifang ; Cong, Xin ; Luo, Xuan ; Yu, Xingfu ; Liu, Zhanqi ; Chang, Yunlong

Source title: Experimental Thermal and Fluid Science

107. Accession number: 20234915159310

Title: High-temperature resistance and self-lubricating TiAlTaCN nanocomposite hard coating by synergistic interaction of TiAlN(C) and TaN(C) phases

Authors: Li, Xianliang ; Li, Guojian ; Lü, Wenzhang ; Liu, Shiyong ; Deng, Jiwei ; Wang, Qiang

Source title: Corrosion Science

108. Accession number: 20235015215229

Title: Microstructural and mechanical properties of additive manufactured 2319 aluminum alloy annular-shaped components: As-built and multistage heat treatment

Authors: Zhang, Dong ; Gao, Ju ; Bai, Xuedong ; Wang, Yubo ; Liu, Zhengjun ; Zhu, Jingshuai ; Gou, Jian

Source title: Materials Today Communications

109. Accession number: 20235115231570

Title: Improving antifouling functions of titanium alloys by robust slippery liquid-infused porous surfaces with tailored multiscale structures

Authors: Zhang, Zeping ; Bai, Yun ; Han, Rizheng ; Yu, Qiang ; Yang, Rui ; Zhang, Xing

Source title: Chemical Engineering Journal

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Title: Compensation temperatures and hysteresis loops of the ferrimagnetic bilayer kagome lattice with RKKY interaction
Authors: Xu, Shi-qi ; Wang, Wei ; Xu, Zhen-yao ; Lv, Jia-qi ; Li, Bo-chen
Source title: Physica B: Condensed Matter
2. **Accession number:** 20233714718340
Title: Study on space charge accumulation characteristics of 320 kV cross-linked polyethylene cable joints
Authors: Liu, Yuqi ; Cai, Xinjing ; Zhang, Dan
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14. Accession number: 20234815131376

Title: UV-activated room temperature oxygen gas sensor based on TiO₂-decorated bridging GaN nanowires

Authors: Li, Zhirui ; Huang, Hui ; Zhao, Danna ; Chen, Shunji ; Cai, Weicheng ; Tang, Tianlin

Source title: Sensors and Actuators B: Chemical

15. Accession number: 20234915160108

Title: Analysis of Ca⁺(2S) + HD ($v_0 = 0, j_0 = 0$) \rightarrow CaH⁺/CaD⁺ + D/H reaction dynamics using time-dependent wave packet method

Authors: Xu, Xiaoxi ; Yang, Zijiang ; Buren, Bayaer ; Chen, Maodu

Source title: Chemical Physics Letters

(七) 建筑与土木工程学院 (21 篇)

1. **Accession number:** 20233614674901
Title: Damage localization and quantification of a truss bridge using PCA and convolutional neural network
Authors: Hao, Jiajia ; Zhu, Xinqun ; Yu, Yang ; Zhang, Chunwei ; Li, Jianchun
Source title: Smart Structures and Systems
2. **Accession number:** 20233114475292
Title: Experimental study on the seismic performance of precast segmental unbonded post-tensioned frame piers
Authors: Bao, Longsheng ; Zhao, Jiakang ; Teng, Fei ; Kong, Zhe ; Yu, Ling ; Bao, Yuyang ; Zhao, Tongfeng ; Yang, Yuhao
Source title: Soil Dynamics and Earthquake Engineering
3. **Accession number:** 20233114458702
Title: Bending deformation regulates the electronic structure and optical properties of Na adsorbed borophene
Authors: Gao, Xuewen ; Wang, Ying ; Su, Qing ; Liu, Guili ; Zhang, Guoying
Source title: Solid State Communications
4. **Accession number:** 20233414607774
Title: Residual capacity assessment of post-damaged RC columns exposed to high strain rate loading
Authors: Abedini, Masoud ; Zhang, Chunwei
Source title: Steel and Composite Structures
5. **Accession number:** 20233014428873
Title: Available challenges and recent progress in carbon dioxide capture, and reusing methods toward renewable energy
Authors: Mirparizi, Mina ; Shakeriaski, Farshad ; Salehi, Fatemeh ; Zhang, Chunwei
Source title: Sustainable Energy Technologies and Assessments
6. **Accession number:** 20232714364842
Title: Failure mode classification of surrounding rock of shallow-buried underground powerhouses considering stress adjustment during construction
Authors: Chen, Zhi ; Yang, Fanjie ; Zhou, Hui ; Zhou, Hongbo ; Zhang, Chuanqing ; Li, Zhi ; Chen, Sili
Source title: Yanshilixue Yu Gongcheng Xuebao/Chinese Journal of Rock Mechanics and Engineering
7. **Accession number:** 20233614679012
Title: The mode I crack morphology and section roughness of granite under impact
Authors: Wang, Xue-Song ; Guo, Lian-Jun ; Liu, Xin ; Deng, Ding ; Zhang, Jiu-Yang ; Xu, Zhen-Yang
Source title: Yantu Lixue/Rock and Soil Mechanics
8. **Accession number:** 20234715087049
Title: Optimal Control of Non-Holonomic Robotic Systems Based on Type-3 Fuzzy Model
Authors: Wu, Lili ; Huang, Haiyan ; Wang, Meng ; Alattas, Khalid A. ; Mohammadzadeh, Ardashir ; Ghaderpour, Ebrahim

- Source title:** IEEE Access
- 9. Accession number:** 20234615057206
Title: Dynamic performance of ultra-high performance fiber-reinforced concrete panel exposed to explosive loading
Authors: Abedini, Masoud ; Zhang, Chunwei
Source title: International Journal of Protective Structures
- 10. Accession number:** 20234214882875
Title: Enhancement mechanism of micro-iron ore tailings on mechanical properties and hydration characteristics of cement-steel slag system
Authors: Wang, Hongyu ; Gu, Xiaowei ; Liu, Jianping ; Zhu, Zhenguo ; Wang, Shenyu ; Xu, Xiaochuan ; Meng, Jinzhou
Source title: Journal of Building Engineering
- 11. Accession number:** 20234715086090
Title: Anti-bonding mediated record low and comparable-to-air lattice thermal conductivity of two metallic crystals
Authors: Yang, Zhonghua ; Ning, Wenbo ; Rodriguez, Alejandro ; Lu, Lihua ; Wang, Junxiang ; Yao, Yagang ; Yuan, Kunpeng ; Hu, Ming
Source title: Journal of Materials Chemistry C
- 12. Accession number:** 20234615065610
Title: First-Principle Study of the Magnetic Properties of Fe-, Ru-, Os-, Co-, and Ni-Substituting Silicone
Authors: Qian, Shaoran ; Liu, Guili ; Wei, Lin ; Su, Qing ; Zhang, Guoying
Source title: Journal of Superconductivity and Novel Magnetism
- 13. Accession number:** 20234414983572
Title: A Quantitative Method for Seismic Robustness of RC Frame Considering Resistance Vulnerability of Column and Storey Drift Ratios
Authors: Sheng, Guohua ; Jin, Shengji ; Ma, Lintao ; Bai, Quan ; Xu, Chao ; Wang, Xiaoyu
Source title: KSCE Journal of Civil Engineering
- 14. Accession number:** 20234715084821
Title: Corrigendum to 'Theoretical study of the photocatalytic activity of hBNC/MoSX (X = Se, Te) heterojunctions' [Mater. Today Commun. 37(2023) 107468] (Materials Today Communications (2023) 37, (S2352492823021591), (10.1016/j.mtcomm.2023.107468))
Authors: He, Jianlin ; Liu, Guili ; Zhang, Chunwei ; Zhang, Guoying
Source title: Materials Today Communications
- 15. Accession number:** 20234515010817
Title: Theoretical study of the photocatalytic activity of hBNC/MoSX (X = Se, Te) heterojunctions
Authors: He, Jianlin ; Liu, Guili ; Zhang, Chunwei ; Zhang, Guoying
Source title: Materials Today Communications
- 16. Accession number:** 20234114855481
Title: Temperature self-compensating and high-sensitivity FBG inclination sensor based on the sliding mass principle
Authors: Sun, Li ; Liang, Tianqi ; Sun, Xinxin ; Li, Chuang ; Zhang, Chunwei
Source title: Optical Fiber Technology

- 17. Accession number:** 20234515027918
Title: Effect of Non-Metallic Doping and Tensile Strain on Photoelectric Properties of 1T-ZrS₂ Monolayer
Authors: Wei, Xingbin ; Yang, Lu ; Bao, Jinlin
Source title: Russian Journal of Physical Chemistry A
- 18. Accession number:** 20234314945322
Title: Effect of sulfur defects on the photoelectric and magnetic properties of metal-doped CrS₂: first-principles study
Authors: Liu, Huaidong ; Yang, Lu ; Wei, Xingbin ; Sun, Shihang ; Zhao, Yanshen
Source title: Structural Chemistry
- 19. Accession number:** 20234915180391
Title: Synergistic effects of steel slag and metakaolin in cementitious systems: Packing properties, strength, and microstructure
Authors: Gu, Xiaowei ; Wang, Hongyu ; Liu, Jianping ; Zhu, Zhenguo ; Wang, Shenyu ; Xu, Xiaochuan
Source title: Construction and Building Materials
- 20. Accession number:** 20235015199437
Title: Compressive strength evaluation of cement-based materials in sulphate environment using optimized deep learning technology
Authors: Yu, Yang ; Zhang, Chunwei ; Xie, Xingyang ; Yousefi, Amir M. ; Zhang, Guang ; Li, Jiehong ; Samali, Bijan
Source title: Developments in the Built Environment
- 21. Accession number:** 20235015198377
Title: Length-scale effect on the hardness of metallic/ceramic multilayered composites: A machine learning prediction
Authors: Wang, M. ; Chen, Y. ; Zhang, C.L. ; Hong, W. ; Yang, C.X. ; Wang, J.W. ; Sun, J. ; Li, W. ; Yan, C.
Source title: Scripta Materialia

(八) 软件学院 (2 篇)

- 1. Accession number:** 20234314958358
Title: Multi-scale context feature and cross-attention network-enabled system and software-based for pavement crack detection
Authors: Wen, Xin ; Li, Shuo ; Yu, Hao ; He, Yu
Source title: Engineering Applications of Artificial Intelligence
- 2. Accession number:** 20234515021979
Title: A multi-constrained domain adaptation network for remaining useful life prediction of bearings
Authors: Dong, Xingjun ; Zhang, Changsheng ; Liu, Hanrui ; Wang, Dawei ; Wang, Tong
Source title: Mechanical Systems and Signal Processing

(九) 人工智能学院 (10 篇)

1. **Accession number:** 20232914412440
Title: Multi-channel frequency difference noise analysis and cancellation method for the balanced field electromagnetic pipeline inspection gauge
Authors: Zheng, Wenxue ; Li, Jiayin
Source title: Review of Scientific Instruments
2. **Accession number:** 20233714722422
Title: Design of unknown input observer for discrete-time Markov jump systems with unknown input in both state equation and output equation
Authors: Lian, Lian ; Tian, Zhongda
Source title: Transactions of the Institute of Measurement and Control
3. **Accession number:** 20233314531747
Title: Each step time-limited iterative learning control for a cushion robot with motion velocity constraints
Authors: Shan, Rui ; Sun, Ping ; Wang, Shuoyu ; Chang, Hongbin
Source title: Transactions of the Institute of Measurement and Control
4. **Accession number:** 20233314566096
Title: A learning-based approach to event-triggered guaranteed cost control for completely unknown nonlinear systems
Authors: Liang, Yuling ; Zhang, Jun ; Zhao, Hui ; Su, Hanguang ; Cui, Xiaohong
Source title: Transactions of the Institute of Measurement and Control
5. **Accession number:** 20233914792277
Title: Cross-modal collaborative propagation for RGB - T saliency detection
Authors: Yu, Xiaosheng ; Pang, Yu ; Chi, Jianning ; Qi, Qi
Source title: Visual Computer
6. **Accession number:** 20234114851797
Title: IDBNet: Improved differentiable binarisation network for natural scene text detection
Authors: Zhang, Zhijia ; Shao, Yiming ; Wang, Ligang ; Li, Haixing ; Liu, Yunpeng
Source title: IET Computer Vision
7. **Accession number:** 20234214912206
Title: Sliding-mode Adaptive Control for Multiple High-speed Trains With State Constraints and Input Saturation
Authors: Zhao, Hui ; Dai, Xuewu ; Zhao, Yuan
Source title: International Journal of Control, Automation and Systems
8. **Accession number:** 20234114854642
Title: Automatic recognition of surface defects of hot rolled strip steel based on deep parallel attention convolution neural network
Authors: Zhao, YuFeng ; Sun, XiaoLei ; Yang, JiaXing
Source title: Materials Letters
9. **Accession number:** 20234915153324
Title: Dynamic event-triggered-based online IRL algorithm for the decentralized control of the input and state constrained large-scale unmatched interconnected system

Authors: Luan, Xinyang ; Su, Hanguang ; Zhang, Huaguang ; Liang, Xiaodong ; Liang, Yuling ; Wang, Jiawei

Source title: Neurocomputing

10. Accession number: 20234915147211

Title: Working condition recognition of sucker rod pumping system based on 4-segment time-frequency signature matrix and deep learning

Authors: He, Yun-Peng ; Cheng, Hai-Bo ; Zeng, Peng ; Zang, Chuan-Zhi ; Dong, Qing-Wei ; Wan, Guang-Xi ; Dong, Xiao-Ting

Source title: Petroleum Science

(十) 环境与化学工程学院 (17 篇)

1. **Accession number:** 20232714346619
Title: Study on magnetic and thermodynamic characteristics of graphyne-like sandwich structure
Authors: Shi, Kai-Le ; Wang, Chao-Fan ; Jiang, Wei
Source title: Physica Scripta
2. **Accession number:** 20233214510321
Title: 1T-WS₂/NCN photocatalyst with unique trion behavior and cyano-defects: Photocatalytic hydrogen evolution and mechanistic insights
Authors: Ma, ZhiPeng ; Ma, Xue ; Zhang, Linnan ; Cheng, Hefa ; Shi, Fa-Nian
Source title: Separation and Purification Technology
3. **Accession number:** 20233414604996
Title: Tungsten chalcogenides as anodes for potassium-ion batteries
Authors: Wu, Yu-Han ; Xia, Wei-Hao ; Liu, Yun-Zhuo ; Wang, Peng-Fei ; Zhang, Yu-Hang ; Huang, Jin-Ru ; Xu, Yang ; Li, De-Ping ; Ci, Li-Jie
Source title: Tungsten
4. **Accession number:** 20233114472120
Title: Preparation of Cu-Doped Bicontinuous Catalyst and the Performance in Non-thermal Plasma Co-catalytic Degradation of H₂S
Authors: Chen, Sheng nan ; Gao, Ying jun ; Ming, Hao ; Ren, Longlong ; Geng, Cong ; Shen, Xinjun ; Shen, Chenguang ; Guan, Yinyan ; Gao, Weichun
Source title: Water, Air, and Soil Pollution
5. **Accession number:** 20233314536546
Title: Target and nontarget analysis of PFASs in mothers and newborns and related health risks of newborns
Authors: Bao, Jia ; Qu, Wen-E ; Shao, Li-Xin ; Liu, Yang ; Wang, Xin ; Wu, Yu-Qing
Source title: Zhongguo Huanjing Kexue/China Environmental Science
6. **Accession number:** 20234114849576
Title: Separation of methyl ethyl ketone - methanol azeotrope by ionic liquids: Thermodynamic and molecular mechanism
Authors: Yang, Fan ; Wu, Tianzhao ; Xin, Hua ; Lv, Meiheng ; Wang, Yue ; Fang, Hong ; Chen, Hongliang ; San, Lili ; Zhang, Qinqin ; Zhang, Zhigang
Source title: Chemical Engineering Science
7. **Accession number:** 20234414989800
Title: Flame-retardant epoxy resin: synergistic effect between aluminum diethylphosphinate and piperazine pyrophosphate
Authors: Ding, Zhan ; Wang, Song ; Ge, Jingyi ; Okoye, Patrick U. ; Wu, Weidong ; Chen, Qi ; Meng, Lingchen ; Zhang, Ailing ; Li, Sanxi
Source title: Iranian Polymer Journal (English Edition)
8. **Accession number:** 20234615045164
Title: Enhanced low-temperature performance of multiscale (Nb₂O₅/TiNb₂O₇)@C nanoarchitectures with intensified ion diffusion kinetics

Authors: Wang, Guan ; Chen, Jianyue ; Zhang, Fengjie ; Zhao, Lina ; Chen, Qingjun ; Wang, Guixin ; Zhang, Haitao

Source title: Journal of Energy Storage

9. **Accession number:** 20234615063647

Title: Enhanced Feature Extraction Network Based on Acoustic Signal Feature Learning for Bearing Fault Diagnosis

Authors: Luo, Yuanqing ; Lu, Wenxia ; Kang, Shuang ; Tian, Xueyong ; Kang, Xiaoqi ; Sun, Feng

Source title: Sensors

10. **Accession number:** 20234515008894

Title: Modeling Method for Aerobic Zone of A2O Based on KPCA-PSO-SCN

Authors: Lu, Wenxia ; Tian, Xueyong ; Ma, Yongguang ; Guan, Yinyan ; Liu, Libo ; Shi, Liwei

Source title: Water (Switzerland)

11. **Accession number:** 20234114874766

Title: Experimental Study of Honeycomb Wire-Barrel Type Corona Discharge Reactor for Degrading Cooking Fume

Authors: Zhang, Jing ; Shen, Xinjun ; Wang, Zixin ; Zhang, Siyu

Source title: Water, Air, and Soil Pollution

12. **Accession number:** 20234915156096

Title: Waterproof and Flame-Retardant Fabric Coating with Nail-Tie Structure was Constructed by Janus Particles with Strong Mechanical, Physical, and Chemical Durability

Authors: Yang, Tiantian ; Jiang, Chengzhen ; Zhang, Linnan ; Du, Yi ; Fan, Jiangtao ; Zhang, Linlin ; Liang, Fuxin

Source title: ACS Applied Materials and Interfaces

13. **Accession number:** 20234915185865

Title: A novel graphitic carbon nitride photocatalyst with ultramicro amounts of intramolecular donor-acceptor structures for excellent photocatalytic hydrogen production

Authors: Zhou, Fang ; Chen, Xiaona ; Zhao, Yuren ; Cheng, Jinglin ; Xu, Ge

Source title: Journal of Photochemistry and Photobiology A: Chemistry

14. **Accession number:** 20234915173924

Title: Stabilizing Ca-ion batteries with a 7000-cycle lifespan and superior rate capability by a superlattice-like vanadium heterostructure

Authors: Hao, Xiaorui ; Zheng, Lirong ; Hu, Sanlue ; Wu, Yuhan ; Zhang, Guobin ; Li, Baohua ; Yang, Meng ; Han, Cuiping

Source title: Materials Today Energy

15. **Accession number:** 20234915180826

Title: Enhanced Performance of Li-Rich Manganese Oxide Cathode Synergistically Modified by F-Doping and Oleic Acid Treatment

Authors: Dong, Haotian ; Jiang, Danfeng ; Xing, Shengzhou ; Zhao, Lina ; Hu, Lei ; Mao, Jing ; Zhang, Haitao

Source title: Small

16. **Accession number:** 20235115260918

Title: Automated multi-functional system for the characterization of plate valves in reciprocating compressors

Authors: Cui, Weilin ; Wang, Dexi ; Hong, Xiao ; Liu, Dajing ; Cao, Xiwen

Source title: Instrumentation Science and Technology

17. Accession number: 20235115229398

Title: Carboxymethylation and cross-linking of konjac glucomannan: structure and properties

Authors: Tang, Hongbo ; Bai, Yao ; Li, Yanping ; Liu, Xiaojun

Source title: Iranian Polymer Journal (English Edition)

(十一) 石油化工学院 (13 篇)

- 1. Accession number:** 20233114473383
Title: Optimization of TiO(acac)₂ for efficient catalytic alcoholysis of waste PET using response surface methodology
Authors: Wen, Ruiyang ; Shen, Guoliang ; Zhai, Jinmiao ; Meng, Linghui ; Bai, Yunlong
Source title: New Journal of Chemistry
- 2. Accession number:** 20233614685142
Title: Research progress of metal-organic framework-based material activation of persulfate to degrade organic pollutants in water
Authors: Wen, Ruiyang ; Shen, Guoliang ; Meng, Linghui
Source title: RSC Advances
- 3. Accession number:** 20232614299859
Title: Optimization of Ti-BA efficiently for the catalytic alcoholysis of waste PET using response surface methodology
Authors: Wen, Ruiyang ; Shen, Guoliang ; Yu, Yang ; Xu, Shijie ; Wei, Jie ; Huo, Yue ; Jiang, Sijin
Source title: RSC Advances
- 4. Accession number:** 20234214906564
Title: Optimization of Microwave Pyrolysis of Castor Oil to Sebacic Acid
Authors: Yu, Yang ; Shen, Guo-Liang ; Xu, Tie-Jun ; Wang, Yong-Jie ; Wen, Rui-Yang
Source title: BioResources
- 5. Accession number:** 20234515007151
Title: Preparation of functionalised heteropolyacid ionic liquids and their application in catalytic degradation of bottle-grade polyester
Authors: Liu, Bo ; Liu, Bing ; Liao, Zhangbin ; Zhang, Jialin ; Guo, Liying
Source title: New Journal of Chemistry
- 6. Accession number:** 20234615070294
Title: Preparation and properties of mesoporous SiO₂/polyimide composite films
Authors: Cui, Xue ; Zheng, Rong-rong ; Wang, Jing-ying ; Chen, Shu-wu ; Yu, Yang ; Guo, Li-ying ; Wang, Cheng ; Wang, Li-yan ; Ruan, Xuehua
Source title: Polymer Composites
- 7. Accession number:** 20234415005005
Title: Molecular-Level Insight into Impact of Additives on Film Formation and Molecular Packing in Y6-based Organic Solar Cells
Authors: Mei, Le ; Xia, Xinxin ; Sun, Rui ; Pan, Yuyu ; Min, Jie ; Lu, Xinhui ; Jen, Alex K.-Y. ; Chen, Xian-Kai
Source title: Small
- 8. Accession number:** 20234815118267
Title: Highly efficient deep-blue organic light-emitting diodes (OLEDs) based on hot-exciton materials with multiple triplet exciton conversion channels
Authors: Sun, Mizhen ; Ma, Chenglin ; Chu, Lizhi ; Pan, Yuyu ; Sun, Qikun ; Yang, Wenjun ; Xue, Shanfeng
Source title: Journal of Materials Chemistry C

- 9. Accession number:** 20235115260856
Title: Fe₃O₄@Co₃S₄ Nanocatalyst: Enhanced Activation of Peroxymonosulfate For Acetaminophen Degradation
Authors: Guan, Xiaotong ; Jiang, Yu ; Meng, Liang
Source title: Nano
- 10. Accession number:** 20235115259600
Title: Ti-Si composite glycol salts: depolymerization and repolymerization studies of PET
Authors: Yu, Yang ; Shen, Guoliang ; Xu, Tie Jun ; Wen, Ruiyang ; Qiao, Yun Chang ; Cheng, Ru Chao ; Huo, Yue
Source title: RSC Advances
- 11. Accession number:** 20235115262715
Title: Preparation and Property Study of PA56/POE-g-MAH-GMA/PPO Ternary Alloy
Authors: Chong, Yunsheng ; Wang, Liyan ; Xu, Xiangming ; Zhuang, Xiao ; Zheng, Rongrong ; Cao, Di ; Chen, Yanming
Source title: Advances in Polymer Technology
- 12. Accession number:** 20235015214414
Title: Numerical simulation of enhancing fluid perturbation to improve separation of dimethyl sulfide/nitrogen via pressure swing adsorption
Authors: Guo, Qiang ; Zhao, Wenkai ; Xiao, Yonghou
Source title: Huagong Jinzhan/Chemical Industry and Engineering Progress
- 13. Accession number:** 20235115231862
Title: Multi-functionalized MCNs effectively improve the interfacial compatibility of mixed matrix membranes and enhance CO₂ separation performance
Authors: Wang, Huahao ; Yang, Xiaochen ; Dai, Yan ; Yu, Miao ; Zheng, Wenji ; Ruan, Xuehua ; Xi, Yuan ; Liang, Hai ; Liu, Hongjing ; He, Gaohong
Source title: Separation and Purification Technology

(十二) 化工装备学院 (4 篇)

1. **Accession number:** 20233014431717
Title: TORSIONAL VIBRATION CHARACTERISTICS OF WIND TURBINE TRANSMISSION SYSTEM CONSIDERING GEAR FLEXIBILITY
Authors: Niu, Shuaihao ; Xu, Zengjin ; Yang, Yongjiang ; Yuan, Hengchao
Source title: Taiyangneng Xuebao/Acta Energiae Solaris Sinica
2. **Accession number:** 20234515009599
Title: A hybrid few-shot multiple-instance learning model predicting the aggressiveness of lymphoma in PET/CT images
Authors: Xu, Caiwen ; Feng, Jie ; Yue, Yong ; Cheng, Wanjun ; He, Dianning ; Qi, Shouliang ; Zhang, Guojun
Source title: Computer Methods and Programs in Biomedicine
3. **Accession number:** 20234515036621
Title: Advance in the sulfur-based electron donor autotrophic denitrification for nitrate nitrogen removal from wastewater
Authors: Shao, Lixin ; Wang, Dexi ; Chen, Gong ; Zhao, Xibo ; Fan, Lihua
Source title: World Journal of Microbiology and Biotechnology
4. **Accession number:** 20234815127179
Title: A fine-tuning deep residual convolutional neural network for emotion recognition based on frequency-channel matrices representation of one-dimensional electroencephalography
Authors: Chen, Jichi ; Cui, Yuguo ; Qian, Cheng ; He, Enqiu
Source title: Computer Methods in Biomechanics and Biomedical Engineering

(十三) 其他: 未注明学院 (5 篇)

1. **Accession number:** 20232914395806
Title: Cooperative Formation Control Method for Unmanned Aerial Vehicle Cluster Based on Less Sensor Data
Authors: Xia, Qingfeng ; Zhou, Xianzhong ; Song, Dalei ; Sun, Yuxiang
Source title: Sensors and Materials
2. **Accession number:** 20234515014427
Title: Effect of composite solid lubricant coatings on the tribological performance of thrust cylindrical roller bearings
Authors: Xu, Xiao ; Zhang, Yimin
Source title: Industrial Lubrication and Tribology
3. **Accession number:** 20234314949276
Title: A flexible triboelectric sensor based on P(VDF-co-HFP)/MXene for breath and posture monitoring in basketball motion
Authors: Li, Yang ; Xu, Dongyuan
Source title: Materials Technology
4. **Accession number:** 20234715076856
Title: Research Progress on Thermal Barrier Coating Evolution, Failure Theory and Modeling
Authors: Wang, Zhi-Ping ; Zhan, Jin-Ying ; Liu, Yan-Kuan ; Wang, Lu-Lu
Source title: Surface Technology
5. **Accession number:** 20235115238202
Title: Low-Carbon economic scheduling with Demand-Side response uncertainty in regional integrated energy system
Authors: Yan, Ning ; Li, Xiangjun ; Wu, Zhongli ; Shao, Junyan ; Guerrero, Josep M.
Source title: International Journal of Electrical Power and Energy Systems

二、2023 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) 机械工程学院 (3 篇)

1. Accession number: 20233714711615

Title: Servo motor fault detection for construction robot base on observer

Authors: Jinbao, Zhao ; Ke, Zhang ; Huaitao, Shi ; Dong, Wang ; Zhizhen, Pi

Source title: Proceedings of SPIE - The International Society for Optical Engineering

2. Accession number: 20234014823888

Title: Based on point cloud data of the ski jump system modeling and trimming

Authors: Xu, Qingchao ; Bu, Chunguang ; Qiao, Jinghui ; Fan, Xiaoliang ; Sui, Jin

Source title: Proceedings of SPIE - The International Society for Optical Engineering

3. Accession number: 20231613886792

Title: Model-free adaptive control based on prescribed performance and time delay estimation for robotic manipulators subject to backlash hysteresis

Authors: Zhang, Yue ; Fang, Lijin ; Song, Tangzhong ; Zhang, Ming

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

(二) 电气工程学院 (7 篇)

1. **Accession number:** 20232714347014
Title: Comparison of Performance of YASA Axial Flux Permanent Magnet Motor with Interior Tangential Rotor and Sticker Rotor
Authors: Zhu, Dasui ; Peng, Bing ; Wang, Chao
Source title : Proceedings - 2023 3rd Asia-Pacific Conference on Communications Technology and Computer Science, ACCTCS 2023
2. **Accession number:** 20233114457286
Title: Position Control of X-Y Precision Planar Motion Stage Based on Iterative Learning and Cross-coupling
Authors: Fang, Jingzhe ; Zhang, Tao ; Chen, Xiyou ; Qi, Chen ; Zhang, Guopeng ; Zhang, Hualiang ; Yan, Hongyu
Source title : Proceedings of 2023 IEEE 12th Data Driven Control and Learning Systems Conference, DDCLS 2023
3. **Accession number:** 20233714726471
Title: Design and Cogging Torque Optimization of Yokeless and Segmented Armature Disc Motor
Authors: Nie, Chengyu ; Tian, Yanfeng ; Zhang, Jixin
Source title: Proceedings of SPIE - The International Society for Optical Engineering
4. **Accession number:** 20233714729828
Title: Low-Frequency Oscillation Suppression Method of Low Inertia Power System Based on Auxiliary Inertia
Authors: Liang, Yuanqing ; Cheng, Shanshan ; Meng, Linglin ; Lu, Shengyang ; Feng, Bing ; Wang, Haixin ; Yanga, Junyou
Source title: Proceedings of SPIE - The International Society for Optical Engineering
5. **Accession number:** 20233714729805
Title: Comparative Analysis of Frequency Regulation Methods of Energy Storage in Microgrid
Authors: Wang, Huibin ; Meng, Linglin ; Cheng, Shanshan ; Cui, Haoqian ; Wang, Haixin ; Yang, Junyou
Source title: Proceedings of SPIE - The International Society for Optical Engineering
6. **Accession number:** 20233814747087
Title: Recursive Full Convolutional Network Hybrid Model Based on Industrial Load Data Augmentation
Authors: Tian, Yanfeng ; Shao, Liyan ; Wang, Anni ; Ma, Shimeng ; Jin, Hongwei ; Yao, Yuan ; Zhang, Hongtao
Source title: Proceedings of SPIE - The International Society for Optical Engineering
7. **Accession number:** 20231714021960
Title: Adaptive super-twisting-based nonsingular fast terminal sliding mode control of permanent magnet linear synchronous motor
Authors: Zhao, Xi-Mei ; Gong, Yun-Wei ; Jin, Hong-Yan ; Xu, Chi
Source title: Transactions of the Institute of Measurement and Control

(三) 信息科学与工程学院 (2 篇)

1. **Accession number:** 20233114457537
Title: Forecasting Calling Activity Based on ARIMA Model
Authors: Gui, Jun ; Sun, Hao ; Jia, Danping ; Yan, Tianyu ; Cui, Xianyue ; Zhao, Lu
Source title : Proceedings of 2023 IEEE 3rd International Conference on Information Technology, Big Data and Artificial Intelligence, ICIBA 2023
2. **Accession number:** 20233114457661
Title: Call Frequency Time Series Forecasting Based On LSTM
Authors: Gui, Jun ; Sun, Hao ; Jia, Danping ; Zong, Jia ; Zhao, Lu
Source title : Proceedings of 2023 IEEE 3rd International Conference on Information Technology, Big Data and Artificial Intelligence, ICIBA 2023

(四) 软件学院 (2 篇)

1. **Accession number:** 20233714703681
Title: Mixed text detection and classification method based on attention mechanism and YOLOv7
Authors: Niu, Lianqiang ; Lv, Fenglin
Source title: Proceedings of SPIE - The International Society for Optical Engineering
2. **Accession number:** 20233714703654
Title: Research on emotion recognition method of police dogs based on deep learning
Authors: Chen, Jiaqi ; Feng, Haiwen ; Qi, Shuai ; Liu, Jiafeng
Source title: Proceedings of SPIE - The International Society for Optical Engineering

(五) 人工智能学院 (4 篇)

1. **Accession number:** 20233714722422
Title: Design of unknown input observer for discrete-time Markov jump systems with unknown input in both state equation and output equation
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