

**2025 年第一季度  
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  
2025 年 3 月**

## 统计说明

### 1、检索时间和统计方法：

- ① 检索时间段：从 2025 年 1 月 1 日至 2025 年 3 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。

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联系电话：25496607

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## 一、2025 年第一季度 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 (63 篇)

1. **Accession number:** 20250617817571  
**Title:** Optimization and Interpretability Analysis of Machine Learning Methods for ZnO Colloid Particle Size Prediction  
**Authors:** Fan, Lin; Yu, Honglei; He, Yan; Guo, Jinyuan; Min, Guangjun; Wang, Juan  
**Source title:** ACS Applied Nano Materials
2. **Accession number:** 20250717888370  
**Title:** Research on the Midinfrared Antireflection Performance of Disordered Porous Structures  
**Authors:** Zhong, Bing; Zhou, Xinbo; Zhu, Hefa; Xin, Wen; Zhang, Lei; Wang, Zhong  
**Source title:** Advanced Engineering Materials
3. **Accession number:** 20250417732876  
**Title:** Effect of Wall Slip on the Extrusion Characteristics of 3D Printing of Cementitious Materials  
**Authors:** Wang, Yibo; Yan, Ming; Yang, Kun; Ao, Chenyang; Ren, Changzai  
**Source title:** Advanced Theory and Simulations
4. **Accession number:** 20250617823348  
**Title:** Analysis of Microstructure and Properties of GH738/K417G Alloy by Laser Deposition Repair by Aging Heat Treatment  
**Authors:** Bian, Hongyou; Liu, Jinsheng; Liu, Weijun; Zhang, Guangtai; Yao, Jiabin; Xing, Fei  
**Source title:** Cailiao Daobao/Materials Reports
5. **Accession number:** 20250317714566  
**Title:** Finite Element Analysis of Dry Friction Wear of Al-based Composite Coatings  
**Authors:** Wang, Huiming; Wang, Jinlong; Li, Yingju; Zhang, Hongyi; Lv, Xiaoren  
**Source title:** Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research
6. **Accession number:** 20250717852339  
**Title:** Research on vibration characteristics of permanent magnet synchronous motor rotor parallel eccentricity and bearing inner ring radial misalignment coupling fault  
**Authors:** Huang, Fengchao; Chen, Changzheng; Wang, Zhengqi; Fu, Hao  
**Source title:** Electrical Engineering
7. **Accession number:** 20250417759378  
**Title:** An improved energy management strategy of fuel cell hybrid vehicles based on proximal policy optimization algorithm  
**Authors:** Li, Baomin; Cui, Yunduan; Xiao, Yao; Fu, Shengxiang; Choi, Jongwoo; Zheng, Chunhua  
**Source title:** Energy
8. **Accession number:** 20250617838236  
**Title:** Analysis of noise characteristics of ceramic bearings rotor system in a wide temperature range  
**Authors:** An, Wenjie; Gu, Yanling; Chen, Changzheng; Zheng, Hao; Tian, Miao  
**Source title:** Engineering Research Express
9. **Accession number:** 20250317682323

**Title:** A magnetostrictive tri-stable energy harvester utilizing a shared pre-magnetization field and analysis of its centrifugal effect

**Authors:** Dong, Weiwei; Liu, Huifang; Liang, Quan; Ren, Teng; Wang, Chao; Xu, Wenkai; Wang, Yun

**Source title:** Engineering Structures

**10. Accession number:** 20250517780348

**Title:** Atomic insights on mechanical and piezoelectric properties of BNNTs and BNNTs/PDMS nanocomposites

**Authors:** Yang, Bin; Yang, Xu; Li, Yunlong; Wang, Quan; Wu, Yufei; Wang, Shijie

**Source title:** International Journal of Mechanical Sciences

**11. Accession number:** 20250417742658

**Title:** Nonlinear vibration analysis of rotor-bearing system with insufficient interference and bearing tilt

**Authors:** Ma, Xingfu; Li, Zhinong; Xiang, Jiawei; Sun, Xingwei; Chen, Changzheng; Huang, Fengchao

**Source title:** International Journal of Mechanical Sciences

**12. Accession number:** 20250717853142

**Title:** The Influence of Ultrasonic Synergistic Effect on Riveting Quality

**Authors:** Zhang, Heng; Yuan, Zewei; Liu, Weijun; Zou, Deyi; Qu, Jing

**Source title:** International Journal of Precision Engineering and Manufacturing

**13. Accession number:** 20250417747864

**Title:** Human-robot Collaboration of Parallel Robots Based on Fractional Admittance and Inverse Dynamic Robust Control

**Authors:** Sun, Deyuan; Wang, Junyi; Xu, Zhigang; Bao, Jianwen; Wang, Zhijun; Liu, Huifang

**Source title:** Jiqiren/Robot

**14. Accession number:** 20250517771584

**Title:** Research on Nonlinear Vibration Characteristics of Ceramic Bearing-rotor System Considering Dynamic Waviness

**Authors:** Wang, Zhan; Chen, Siyang; Wang, Zinan; Zhang, Ke

**Source title:** Jixie Gongcheng Xuebao/Journal of Mechanical Engineering

**15. Accession number:** 20250417727594

**Title:** Amorphous-dominated MgO hollow spheres enhanced fluoride adsorption: Mechanism analysis and machine learning prediction

**Authors:** Fan, Lin; Wang, Dexi; Yu, Honglei; Guo, Jinyuan; He, Yan

**Source title:** Journal of Chemical Physics

**16. Accession number:** 20250717877992

**Title:** A novel multi-objective optimization of high-power laser directed energy deposition green processes: A case study of titanium alloy

**Authors:** Chen, Keqiang; Jiang, Xingyu; Liu, Weijun; Zhang, Fei; Liu, Ao; Xu, Xiaowen; Song, Boxue; Xi, Wenchao; Bian, Hongyou; Yang, Guoze

**Source title:** Journal of Cleaner Production

**17. Accession number:** 20250117642991

**Title:** Application of machine learning to predict the fluoride removal capability of MgO

- Authors:** Fan, Lin; Wang, Dexi; Yu, Honglei; Gong, Ze; He, Yan; Guo, Jinyuan  
**Source title:** Journal of Environmental Chemical Engineering
- 18. Accession number:** 20250117636426  
**Title:** Bandgap tuning and stress concentration reduction in fluid-filled periodic pipes via functionally graded materials  
**Authors:** Li, Wenjie; Kong, Xiangxi; Xu, Qi; Hao, Ziyu  
**Source title:** Journal of Fluids and Structures
- 19. Accession number:** 20250417765124  
**Title:** Influences of multi-dimensional energy density on multi-scale characteristics of TC4 alloy by Laser Powder Bed Fusion  
**Authors:** Zhang, Kai; Li, Binghan; Liu, Chengwei; Liu, Weijun; Wang, Wenlong; Wang, Huiru; Bian, Hongyou  
**Source title:** Journal of Manufacturing Processes
- 20. Accession number:** 20250417756516  
**Title:** A new cross-domain bearing fault diagnosis method with few samples under different working conditions  
**Authors:** Dong, Xingjun; Zhang, Changsheng; Liu, Hanrui; Wang, Dawei; Chen, Yao; Wang, Tong  
**Source title:** Journal of Manufacturing Processes
- 21. Accession number:** 20250717849086  
**Title:** Effect of TiC Addition on the Microstructure and Mechanical Properties of Fe55Cr25Co10Ni10 High-Entropy Alloy by Laser Melting Deposition Manufacturing  
**Authors:** Wang, Zijian; Xing, Fei; Liu, Xiangyu; Xu, Guojian; Liu, Weijun; Bian, Hongyou  
**Source title:** Journal of Materials Engineering and Performance
- 22. Accession number:** 20250717851847  
**Title:** Predicting and optimizing network recognition time: a multi-parameter fusion model for edge-side human behavior recognition  
**Authors:** Pang, Di; Wei, Zhe; Chen, Mo  
**Source title:** Journal of Mechanical Science and Technology
- 23. Accession number:** 20250417745556  
**Title:** Research on the Parameter Configuration Law of Transfer of Ultramicro Liquid by Pipetting Needle Based on the Quasi-static State  
**Authors:** Chen, Xi; Liu, Huifang; Zhang, Shiyu; Chang, Yunlong; Ren, Teng  
**Source title:** Langmuir
- 24. Accession number:** 20250517787835  
**Title:** Microstructure and Properties of Laser Additive Repaired Electron Beam Welds in Ti-6Al-4V Alloy  
**Authors:** Cui, B.-L.; Liu, W.-J.; Bian, H.-Y.; Zhang, K.; Wang, H.-R.  
**Source title:** Lasers in Engineering
- 25. Accession number:** 20250717863932  
**Title:** A Faster Method for Evaluating the Ultimate Strength of Ship Hulls Under Elevated Temperatures - Fire Idealized Structural Unit Method  
**Authors:** Wu, Jiaxin; Yan, Ming; Sun, Xingwei  
**Source title:** Latin American Journal of Solids and Structures

- 26. Accession number:** 20250217673703  
**Title:** A novel approach to enhance the wear resistance of laser-cladded Tribaloy T-800 coatings on DD5 single crystal alloys by addition of Si  
**Authors:** Zhang, Guangtai; Liu, Weijun; Bian, Hongyou; Xi, Wenchao; Zhang, Kai; Wang, Huiru  
**Source title:** Materials Characterization
- 27. Accession number:** 20250417724974  
**Title:** Research on rolling bearing fault diagnosis method based on improved multi-source fusion convolutional neural network  
**Authors:** Shi, Huaitao; Sun, Huayang; Bai, Xiaotian; Song, Zelong; Gao, Tianhao  
**Source title:** Measurement Science and Technology
- 28. Accession number:** 20250417753232  
**Title:** Structural Design Analysis of Substrate with Honeycomb Core Under Normal Pressure, Using RSM and ANN  
**Authors:** Li, Peiyuan; Xing, Fei  
**Source title:** Processes
- 29. Accession number:** 20250117622369  
**Title:** Analysis of laser peeling fabrication processes and mechanisms of flexible coils for magnetostrictive nanogenerators  
**Authors:** Li, Wencheng; Liu, Huifang; Lu, Yufei; Liang, Quan; Ren, Teng  
**Source title:** Sensors and Actuators A: Physical
- 30. Accession number:** 20250117635218  
**Title:** Magnetostrictive bi-stable broadband energy harvester based on flytrap bionic mechanism  
**Authors:** Ma, Jiaqi; Liu, Huifang; Zhao, Luyao; Wei, Linru; Li, Wencheng; Chang, Yunlong; Ren, Teng  
**Source title:** Sensors and Actuators A: Physical
- 31. Accession number:** 20250317695658  
**Title:** Optimization of multi-pass coating for magnetic-thermal-assisted laser cladding based on data-enhanced WOA-DE-TELM and LHS-AMOPSO algorithm  
**Authors:** Gong, Jiangtao; Li, Haiqing; Yu, Helong; Shu, Linsen; Zhang, Zhong; Han, Xu; Lun, Weihao  
**Source title:** Surface and Coatings Technology
- 32. Accession number:** 20250417753072  
**Title:** RESEARCH ON HYDRODYNAMIC CHARACTERISTICS OF WIND TURBINE WITH HEAVE PLATE UNDER WIND AND WAVE COUPLING  
**Authors:** Guo, Xinpeng; Sun, Chuanzong; Shan, Guangkun; Jia, Li'na  
**Source title:** Taiyangneng Xuebao/Acta Energiae Solaris Sinica
- 33. Accession number:** 20250717889449  
**Title:** RESEARCH ON FAULT DIAGNOSIS METHOD OF WIND TURBINE BEARING BASED ON IBCAN  
**Authors:** He, Linfang; Wang, Daohan; Tian, Miao; An, Wenjie; Sun, Xianming  
**Source title:** Taiyangneng Xuebao/Acta Energiae Solaris Sinica
- 34. Accession number:** 20250717884202

**Title:** Corrigendum to "Effect of different chemical conversion coatings on the tribological performance of cylindrical thrust roller bearings under conditions of dry friction and solid lubrication"[Wear 548 – 549(2024) 205351]

**Authors:** Xu, Xiao; Zhang, Yimin

**Source title:** Wear

**35. Accession number:** 20250217673917

**Title:** Fault Diagnosis of Wind Turbine Rolling Bearing Based on SVDS- MSCNN

**Authors:** Shi, Zonghui; Chen, Changzheng; An, Wenjie; Tian, Miao; Sun, Xianming

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

**36. Accession number:** 20250317700990

**Title:** Gas turbine shock measurement point optimization based on shock response analysis

**Authors:** Wang, Hao; Zhang, Chunhui; Zhao, Pengduo; Yan, Ming; Jin, Yingli

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

**37. Accession number:** 20250317682119

**Title:** Design and Tests of Lunar Spring-recovery Rope-driven Sampling Robot Arm

**Authors:** Sun, Feng; Zhu, Anjie; Zhang, Ming; Pei, Wenzhe; Jin, Junjie; Zhang, Weiwei; Tang, Junyue; Jiang, Shengyuan

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

**38. Accession number:** 20251318110330

**Title:** Stability analysis of ultrasonic bone cutting under dynamic loads

**Authors:** Zhang, Anxing; Wang, Linwei; Wang, Jingyu; Liu, Yu; Li, Jinguang; Sun, Yumeng; Wang, Shiwei

**Source title:** Applied Acoustics

**39. Accession number:** 20251218089390

**Title:** Dynamic modeling and optimization method for large amplitude ultrasonic osteotome for surgical robots

**Authors:** Wang, Linwei; Zhang, Faming; Yan, Ming; Liu, Yu

**Source title:** Applied Acoustics

**40. Accession number:** 20251218106331

**Title:** Molecular dynamics study on the atomic configuration evolution and suppression of shear bands for Zr-based metallic glass during cutting processing

**Authors:** Liu, Yin; Li, Cuiping; Pan, Fei; Sun, Xingwei; Dong, Haosheng; Zhang, Weifeng; Zhao, Hongxun; Mu, Shibo; Luo, Zhenshan; Yuan, Zewei

**Source title:** Applied Physics A: Materials Science and Processing

**41. Accession number:** 20250917950398

**Title:** Study on the polishing mechanism under the combined effect of K<sub>2</sub>CO<sub>3</sub>, KH550 and ultrasonic vibration for K9 optical glass

**Authors:** Qu, Sheng; Cui, Zhijie; Chu, Xuchen; Sun, Xingwei; Dong, Zhixu; Yang, Heran; Liu, Yin; Wang, Zixuan; Yu, Tianbiao; Zhao, Ji

**Source title:** Applied Surface Science

**42. Accession number:** 20250917944537

**Title:** Fatigue State Quantitative Analysis of TA1 Titanium Alloy Clinched Joints Based on Dynamic Response Characterization

- Authors:** Lei, Lei; Zhang, Huabin; Zhao, Zhiqiang; Yan, Ming; Shi, Ye; Sun, Jiawei  
**Source title:** Fatigue and Fracture of Engineering Materials and Structures
- 43. Accession number:** 20251218066814  
**Title:** Improve LADRC Strategy for variable air gap permanent magnetic levitation system  
**Authors:** Zhang, Hongkui; Zhang, Qinwei; Shen, Hang; Lan, Yipeng; Wen, Jiaqi; Zhao, Chuan  
**Source title:** IEEE Access
- 44. Accession number:** 20250917944201  
**Title:** Degradation Twin Modeling of Bearing With Local Fluctuations at Spatial-Temporal Scale  
**Authors:** Li, Tao; Shi, Huaitao; Bai, Xiaotian; Zhao, Chengying; Yang, Tianyi; Zhang, Ke  
**Source title:** IEEE Transactions on Instrumentation and Measurement
- 45. Accession number:** 20250917972795  
**Title:** Effects of surface texture on tribological performance and bonding strength of phosphate coatings in cylindrical thrust roller bearings  
**Authors:** Xu, Xiao; Zhang, Yimin; Gao, Shuzhi  
**Source title:** Industrial Lubrication and Tribology
- 46. Accession number:** 20250917959213  
**Title:** A Bibliometric and Visualized Review of Research on VDH of the Metaverse  
**Authors:** Wang, Xue-shuang; Hu, Kai-jie; Lyu, Wei; Xu, Shu-jing  
**Source title:** International Journal of Human-Computer Interaction
- 47. Accession number:** 20251218079045  
**Title:** Modeling and Multi-objective Optimization of Laser Cleaning Quality of 7075 Aluminum Alloy  
**Authors:** Wang, Wei; Li, Xiaoxu; Liu, Weijun; Bian, Hongyou; Xing, Fei; Wang, Jing  
**Source title:** Jixie Gongcheng Xuebao/Journal of Mechanical Engineering
- 48. Accession number:** 20251118027153  
**Title:** Research on the acoustic performance of MPP and inverse design  
**Authors:** Shi, Zonghui; Chen, Changzheng; Zhang, Dacheng; Song, Yang; Sun, Xianming  
**Source title:** Journal of Applied Physics
- 49. Accession number:** 20251118036757  
**Title:** Undercutting mechanism of worm wheel in offsetting normal arc-toothed cylindrical worm drive  
**Authors:** Meng, Qing-Xiang; Jiao, Yu-Ge; Zhao, Ya-Ping; Mu, Shi-Bo; Cui, Jian; Zhang, Ming-Hua  
**Source title:** Journal of Central South University
- 50. Accession number:** 20251018000563  
**Title:** Strategy of sulfur autotrophic denitrification system for nitrogen removal from landfill leachate with temperature variations  
**Authors:** Shao, Lixin; Wang, Dexi; Zhao, Hang; Zhao, Xibo; Fan, Lihua  
**Source title:** Journal of Environmental Chemical Engineering
- 51. Accession number:** 20251118036032  
**Title:** Microstructure evolution and plastic deformation behavior of DR-B2/ID-FCC phase lightweight high entropy alloy during improving thermal processing properties

**Authors:** Jiang, Xueyu; Che, Xin; Zhang, Haoyu; Zhang, Siqian; Wen, Xuelong; Zhou, Ge; Chen, Lijia; Liaw, Peter K.

**Source title:** Journal of Manufacturing Processes

**52. Accession number:** 20251218084017

**Title:** Effects of Laser Cleaning on Coating Removal and Secondary Coating Adhesion Performance of Aircraft Skin

**Authors:** Wang, Wei; Wang, Wei; Liu, Weijun; Bian, Hongyou; Zhang, Kai; Jiang, Qingyu; Yao, Tianhao

**Source title:** Journal of Materials Engineering and Performance

**53. Accession number:** 20251118051796

**Title:** Aged Microstructure and Mechanical Properties of K417G Alloy Repaired by Laser Deposition of DZ125 Alloy

**Authors:** Bian, Hongyou; Liu, Jinsheng; Liu, Weijun; Zhang, Guangtai; Wang, Huiru; Xu, Xiaowen

**Source title:** Journal of Materials Engineering and Performance

**54. Accession number:** 20251118023153

**Title:** Effect of laser power on the microscopic morphology and properties of aluminum-based deposited repair layers on TC4-ZL114A dissimilar substrates

**Authors:** Zhao, Ziming; Liu, Weijun; Bian, Hongyou; Li, Qiang; Xi, Wenchao; Xu, Xiaowen; Liu, Yanshuo

**Source title:** Materials Today Communications

**55. Accession number:** 20251017991042

**Title:** Dynamic behavior of permanent magnet synchronous motor rotor radial eccentricity

**Authors:** Huang, Fengchao; Wang, Zhengqi; Chen, Changzheng; Wang, Tong; Yang, Mingzheng; Fu, Hao

**Source title:** Measurement Science and Technology

**56. Accession number:** 20251118036330

**Title:** Modeling and design of a multi-degree-of-freedom soft pneumatic actuator based on oblique chambers

**Authors:** Peng, Linghui; Zhang, Yu; Wang, Ning; Zhao, Wenchuan

**Source title:** Mechanics of Advanced Materials and Structures

**57. Accession number:** 20251318112705

**Title:** Microstructure and mechanical properties of additive manufactured TiC-reinforced Fe55Cr25Co10Ni10 high-entropy alloy composites

**Authors:** Wang, Zijian; Xing, Fei; Xu, Guojian; Liu, Weijun; Bian, Hongyou

**Source title:** Optics and Laser Technology

**58. Accession number:** 20250917969165

**Title:** Effect of laser remelting on the microstructure and tribological properties of deposited layers reinforced by in situ NbC particles with different micromorphology

**Authors:** Xi, Wenchao; Liu, Weijun; Bian, Hongyou; Zhang, Kai; Hou, Zhuangzhuang; Tian, Zhiqiang; Yu, Tianbiao

**Source title:** Optics and Laser Technology

**59. Accession number:** 20251218083058

**Title:** Nanomaterial modification of ground tire rubber to improve the properties of recycled rubber: Experiments and molecular dynamics simulations

**Authors:** Jiang, Bowen; Zhao, Jing; Wang, Shijie; Yang, Bin; Li, Yunlong; Yang, Yadi

**Source title:** Polymer Composites

**60. Accession number:** 20251017999112

**Title:** Effect of Y<sub>2</sub>O<sub>3</sub> on Microstructure and Tribological Properties of Fe-Based Deposited Layers Reinforced by In Situ-Generated NbC Particles

**Authors:** Xi, Wenchao; Liu, Weijun; Bian, Hongyou; Li, Qiang; Wang, Huiru; Yu, Tianbiao

**Source title:** Steel Research International

**61. Accession number:** 20251118025789

**Title:** Influence mechanisms of Y<sub>2</sub>O<sub>3</sub> addition on the microstructure and wear resistance of laser-cladded T-800 + Si coatings on DD5 substrates

**Authors:** Zhang, Guangtai; Liu, Weijun; Bian, Hongyou; Xi, Wenchao; Zao, Yijie; Zhang, Kai; Wang, Huiru

**Source title:** Surface and Coatings Technology

**62. Accession number:** 20250917980991

**Title:** Prediction of Removal Depth in Screw Belt Grinding Based on the Neural Network Optimized by Sparrow Algorithm

**Authors:** Yang, Heran; Zhang, Peijie; Sun, Xingwei; Pan, Fei; Dong, Zhixu; Liu, Yin

**Source title:** Surface Technology

**63. Accession number:** 20250917979161

**Title:** Research on Composite Liquid Cooling Technology for the Thermal Management System of Power Batteries

**Authors:** Zhu, Lin; Li, Dianqi; Wu, Ziyao

**Source title:** World Electric Vehicle Journal

(二) 材料科学与工程学院 (142 篇)

1. **Accession number:** 20250417739879  
**Title:** Improvement of the Thermoelectric Properties in CNT/Bi<sub>2</sub>Te<sub>3</sub> Composite Films Due to Evolution of the Depletion Layer and Point Defects under the Pulse Current Field  
**Authors:** Lan, Mingdi; Sun, Shang; Liu, Shiyong; Li, Guojian; Wang, Zhe; Wang, Qiang  
**Source title:** ACS Applied Materials and Interfaces
2. **Accession number:** 20250717845713  
**Title:** Copper Precipitation Behavior and Mechanical Properties of Cu-Bearing Ferritic Stainless Steel with Different Cr Addition  
**Authors:** Li, Yifan; Ma, Shengyao; Zhang, Xinrui; Xi, Tong; Yang, Chunguang; Zhao, Hanyu; Yang, Ke  
**Source title:** Acta Metallurgica Sinica (English Letters)
3. **Accession number:** 20250217662251  
**Title:** High-Temperature Tensile Property of High-W-Content (Nb,W) Co-Alloying TiAl-Based Alloys under Different Tensile Rates  
**Authors:** Gao, Junchong; Dong, Shulin; Qu, Yingdong; Chen, Ruirun; Liu, Shibing; Li, Guanglong; Zhang, Wei; Sulaiman, Abudurousuli  
**Source title:** Advanced Engineering Materials
4. **Accession number:** 20250417749467  
**Title:** Phosphated Electrolyte Enabling Dual Robust Electrode - Electrolyte Interfacial Reconstruction Toward Capable Zn Metal Batteries  
**Authors:** Wang, Yuao; Wang, Tiantian; Cui, Penghui; Mao, Guanchong; Ye, Ke; Hu, Fang; Chen, Minghua; Cao, Dianxue; Zhu, Kai  
**Source title:** Advanced Functional Materials
5. **Accession number:** 20250717867775  
**Title:** Effect of Cr element on tensile mechanical properties of Al<sub>0.3</sub>CoCr<sub>x</sub>FeNi high entropy alloys by MD simulations  
**Authors:** Li, Youzhong; Guo, Dong; Fan, Shichao; Li, Zhe; Xu, Ziqing  
**Source title:** Applied Physics A: Materials Science and Processing
6. **Accession number:** 20250617812304  
**Title:** Regulation in CMAS corrosion behavior of high entropy RE monosilicates by component design of doped RE  
**Authors:** Li, Jiaxin; Li, Liuyuan; Wang, Pinchun; Wang, Chao; Liu, Shiyong; Wang, Zhanjie  
**Source title:** Ceramics International
7. **Accession number:** 20250117624967  
**Title:** A Novel Anodic Heterostructure Based on Commercial 1J50 Permalloy for Urea-Assisted Water Splitting  
**Authors:** Lin, Li; Zhang, Hongxu; Dai, Zhiyong; Wan, Rongchun; Fu, Liming; Shan, Aidang; Chen, Lijia  
**Source title:** ChemCatChem
8. **Accession number:** 20250617835362  
**Title:** Kinetics-Boosted and Dissolution-Suppressed Molybdenum-Doped vanadium dioxide for Long-Life Zinc-Ion batteries

**Authors:** Zhang, Dongdong; Yue, Yilei; Yang, Chengwu; Limphirat, Wanwisa; Zhang, Xinyu; Qin, Jiaqian; Cao, Jin

**Source title:** Chemical Engineering Journal

**9. Accession number:** 20250717865676

**Title:** First-principles investigations on the elastic properties, thermodynamic properties, electronic structures and anisotropy sound velocity of AlTi<sub>3</sub>N, AlTi<sub>2</sub>N, AlTi<sub>4</sub>N<sub>3</sub> and Al<sub>2</sub>Ti<sub>3</sub>N<sub>2</sub> ternary nitrides

**Authors:** Wang, Kun; Zhang, Xudong; Wang, Feng

**Source title:** Chemical Physics Letters

**10. Accession number:** 20250717864329

**Title:** The influence of Zr, Hf, Ti and Sc on the lattice vibration, mechanical, tensile stress-strain, electronic and optical properties of Al<sub>4</sub>C<sub>3</sub> from first-principles calculations

**Authors:** Zheng, Dongyu; Wang, Kun; Zhang, Xudong; Wang, Feng; Liu, Bin

**Source title:** Chemical Physics Letters

**11. Accession number:** 20250217664941

**Title:** Effect of pouring time on microstructure and mechanical properties of centrifugal cast Ti-46Al alloy tubes

**Authors:** Huang, Gang; Dang, Qian; Su, Cong-Cong; Zhao, Jing; Zhang, Chi; Liu, Guo-Huai; Wang, Zhao-Dong

**Source title:** China Foundry

**12. Accession number:** 20250217671996

**Title:** Green synthesis and tunable microwave absorption properties of core-shell structure SiC@Ni/C(N) nanocomposites

**Authors:** Yu, Di; Shi, Gui-Mei; Bao, Xiu-Kun; Shi, Fa-Nian

**Source title:** Colloids and Surfaces A: Physicochemical and Engineering Aspects

**13. Accession number:** 20250617807911

**Title:** The Fe-N system: crystal structure prediction, phase stability, and mechanical properties

**Authors:** Bao, Ergen; Zhao, Jinbin; Gao, Qiang; Shahid, Ijaz; Ma, Hui; Luo, Yixiu; Liu, Peitao; Sun, Yan; Chen, Xing-Qiu

**Source title:** Computational Materials Science

**14. Accession number:** 20250717884174

**Title:** Effect of tensile deformation on corrosion behavior of nitrogen-containing stainless steel bipolar plates in a simulated environment for proton exchange membrane fuel cells

**Authors:** Li, Zhuocheng; Li, Jiashu; Zhu, Wenxiang; Jiao, Jingjing; Wang, Bin; Tian, Yong; Yang, Xu; Yang, Lingxu; Liu, Huijun; Wang, Bingxing

**Source title:** Corrosion Science

**15. Accession number:** 20250417758890

**Title:** Wear resistance of electro-brush plated Ni/diamond nanocomposite coatings

**Authors:** Gao, Meiyu; Pei, Zhiliang; Song, Guihong; Liu, Zhiyang; Gu, Wenshuang; Gong, Jun

**Source title:** Diamond and Related Materials

**16. Accession number:** 20250617838655

**Title:** Constructing a gradient soft-coupled SEI film using a dilute ternary electrolyte system towards high-performance zinc-ion batteries with wide temperature stability

**Authors:** Wang, Tiantian; Wang, Yuao; Cui, Peng; Geng, Heshun; Wu, Yusheng; Hu, Fang; You, Junhua; Zhu, Kai

**Source title:** Energy and Environmental Science

**17. Accession number:** 20250517802191

**Title:** Microstructure evolution, corrosion and corrosive wear properties of NbC-reinforced FeNiCoCr-based high entropy alloys coatings fabricated by laser cladding

**Authors:** Wu, H.; Wang, Z.Y.; Wang, M.S.; Wang, R.; Zhang, S.; Zhang, C.H.; Wu, C.L.; Chen, H.T.; Chen, J.

**Source title:** Engineering Failure Analysis

**18. Accession number:** 20250417769804

**Title:** Construction of multifunctionally integrated catalyst via a self-assembly strategy for efficient CO<sub>2</sub> cycloaddition

**Authors:** Wei, Wensheng; Wang, Yuxin; Xu, Guangwen; Zhao, Jinggang; Shi, Lei

**Source title:** Fuel

**19. Accession number:** 20250417769942

**Title:** Numerical simulation of mixing performance of composite phyllotaxy microfluidic channel

**Authors:** Zhang, Weiye; Zhu, Xiaowu; Luo, Yonghao; Wang, Zhi

**Source title:** Huagong Jinzhan/Chemical Industry and Engineering Progress

**20. Accession number:** 20250317695331

**Title:** An in situ polymerization trial to prepare PEDOT decorated VO<sub>2</sub> hollow nanospheres for stable zinc ion storage at 0° C

**Authors:** Zhao, Chunru; Liu, Yi; Xu, Yefei; Liu, Zhanyi; Li, Mian; Huang, Qing; Wu, Xiang

**Source title:** Inorganic Chemistry Frontiers

**21. Accession number:** 20250617806248

**Title:** Optimization and verification of hot tensile deformation parameters of Ti-47.5Al-2.5V-1.0Cr-0.2Zr alloy based on processing map theory

**Authors:** Lin, Xuejian; Huang, Hongjun; Yuan, Xiaoguang; Zheng, Bowen; Zuo, Xiaojiao; Zhou, Ge; Du, Kai

**Source title:** Intermetallics

**22. Accession number:** 20250317677592

**Title:** Preparation and dynamics of silicate based sintered materials using high content solid waste

**Authors:** Ma, Minglong; Yang, He; Liu, Shengnan; Zhou, Miao; Wang, Yuzheng

**Source title:** International Journal of Applied Ceramic Technology

**23. Accession number:** 20250617818170

**Title:** Enhancing the compatibility and performance of poly (lactic acid) and thermoplastic polyolefin elastomer blends through a dual compatibilization strategy

**Authors:** Li, Yongchao; Qiu, Ying; Wei, Lan; Song, Yu; Guo, Wanyuan; Yu, Lingxiao; Gao, Guangxu; Gao, Jialu; Huang, Jiangting; Wang, Yuanxia; Shi, Ying; LIU, Li-Zhi; Zhang, Qi; Song, Lixin

**Source title:** International Journal of Biological Macromolecules

- 24. Accession number:** 20250717858804  
**Title:** Catalytic effect of Si<sub>2</sub>BN monolayer on the dehydrogenation of MgH<sub>2</sub>: First-principles study  
**Authors:** Han, Hecheng; Jiang, Wei; Si, Nan; Zheng, Huiling  
**Source title:** International Journal of Hydrogen Energy
- 25. Accession number:** 20250117628657  
**Title:** Nano-creep behavior of Ti-based bulk amorphous alloy after electrochemical hydrogen charging  
**Authors:** Dong, Fuyu; Zhou, Guishen; Hu, Yuanhong; Zhang, Yue; Liu, Kun; Wang, Binbin; Luo, Liangshun; Su, Yanqing; Yuan, Xiaoguang; Kuang, Peng; Zhang, Peng; Cao, Xingzhong; Cheng, Jun  
**Source title:** International Journal of Hydrogen Energy
- 26. Accession number:** 20250517780348  
**Title:** Atomic insights on mechanical and piezoelectric properties of BNNTs and BNNTs/PDMS nanocomposites  
**Authors:** Yang, Bin; Yang, Xu; Li, Yunlong; Wang, Quan; Wu, Yufei; Wang, Shijie  
**Source title:** International Journal of Mechanical Sciences
- 27. Accession number:** 20250717846855  
**Title:** Research on the Preparation and Performance of Water-Based Non-Occupying Coatings for Aluminum Castings  
**Authors:** Liu, Bao; Liu, Weihua; Song, Lai  
**Source title:** International Journal of Metalcasting
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**Title:** Effects of welding current on microstructure evolution and mechanical behavior of WC-Co/X32 steel joints by resistance spot welding  
**Authors:** Wang, R.; Zhang, S.; Hu, Y.; Meng, Q.H.; Fu, B.; Zhao, Y.W.; Wu, C.L.; Li, G.M.; Qin, J.; Wang, J.P.  
**Source title:** International Journal of Refractory Metals and Hard Materials
- 29. Accession number:** 20250717849379  
**Title:** Preparation of Na<sub>2</sub>FeO<sub>4</sub> from Red Mud Sodium Roasting and Alkali Leaching Residue with the Aid of Ultrasound  
**Authors:** Guan, Shuyue; Tang, Junjie; Sun, Yuan; Yang, Yanhong; Li, Laishi; Wu, Yusheng; Shi, Fanian  
**Source title:** JOM
- 30. Accession number:** 20250717851532  
**Title:** Synthesis and Evaluation of Herbicidal Ureidopyrimidine Compounds: Focus on Sulfonamide Modifications  
**Authors:** Pei, Hongyan; Ye, Jialin; Liu, Dongdong; Gao, Yixing; Zhang, Jing; Zhang, Lixin  
**Source title:** Journal of Agricultural and Food Chemistry
- 31. Accession number:** 20250517773256  
**Title:** Effect of deformation amount on microstructure and properties of spray formed Al-12.3Zn-2.2Mg-1.5Cu alloy with secondary aging  
**Authors:** Wang, Fengyi; Li, Kunze; Su, Ruiming; Li, Guanglong  
**Source title:** Journal of Alloys and Compounds

- 32. Accession number:** 20250217652178  
**Title:** The effect of Cu on microstructure, mechanical properties and fracture behavior of Al-15 %Mg<sub>2</sub>Si composite  
**Authors:** Zou, Xue; Liu, Tongyu; Liu, Weihua; Wang, Feng; Li, Yingmin; Su, Ruiming; Shi, Ling  
**Source title:** Journal of Alloys and Compounds
- 33. Accession number:** 20250817894023  
**Title:** Spin-coating co-reduction method to prepare Bi<sub>2</sub>Te<sub>3</sub> films and its tunable thermoelectric properties  
**Authors:** Lu, Fangxu; Liu, Shiyang; Dai, Mingchuan; Sun, Xiao; Zhang, Wenwen; Wang, Zhanjie  
**Source title:** Journal of Alloys and Compounds
- 34. Accession number:** 20250317707972  
**Title:** Reduced hot tearing susceptibility of Mg-4Zn-1.5Ca-xY-0.3Zr alloy by introducing intergranular bridging secondary phases  
**Authors:** Bai, Shengwei; Wang, Feng; Du, Xudong; Wang, Zhi; Zhou, Le; Wei, Ziqi; Mao, Pingli; Li, Jinwei  
**Source title:** Journal of Alloys and Compounds
- 35. Accession number:** 20250817893581  
**Title:** Effect of C15 Laves phase ratios on hydrogen absorption and desorption properties of Ti<sub>0.50-x</sub>V<sub>0.25</sub>Cr<sub>x</sub>Nb<sub>0.25</sub> (x = 0.15, 0.25, 0.30, and 0.35) multicomponent alloys  
**Authors:** Wen, Zhen; Li, Guanglong; Wang, Sibao; Li, Yue; Zhang, Tong; Ding, Xin; Qu, Yingdong  
**Source title:** Journal of Alloys and Compounds
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**Title:** Red mud-derived layered metal oxides for large-scale electrochemical sodium storage  
**Authors:** Hu, Jinduo; Li, Laishi; Wu, Yusheng; Wu, Yuhang; Wang, Yuzheng; Liu, Feng; Ye, Mingyuan; Mao, Weiren  
**Source title:** Journal of Environmental Chemical Engineering
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**Title:** Novel insight into evolution behavior of non-metallic oxides in tire cord steel based on dissolved oxygen obtained by electromotive force method  
**Authors:** Chen, Ji-Lin; Zang, Xi-Min; Li, Shi-Sen; Zhang, Bin-Yan; Yan, Zi-Wen; Yang, Jie; Kong, Ling-Zhong; Wang, Guo-Cheng  
**Source title:** Journal of Iron and Steel Research International
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**Title:** Effect of TiC Addition on the Microstructure and Mechanical Properties of Fe<sub>55</sub>Cr<sub>25</sub>Co<sub>10</sub>Ni<sub>10</sub> High-Entropy Alloy by Laser Melting Deposition Manufacturing  
**Authors:** Wang, Zijian; Xing, Fei; Liu, Xiangyu; Xu, Guojian; Liu, Weijun; Bian, Hongyou  
**Source title:** Journal of Materials Engineering and Performance
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**Title:** Influence of Aging State by Microstructure and Stress Corrosion Behavior with Al-7Zn-2.5Mg-2.0Cu-0.1Zr-0.2Sc Alloy  
**Authors:** Jiang, Xueyu; Yin, Shuying; Che, Xin; Liu, Jiafeng; Han, Yang

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- 40. Accession number:** 20250817922857  
**Title:** Effect of Non-isothermal Retrogression and Re-aging on Microstructure and Properties of an Al-Zn-Mg-Cu Alloy  
**Authors:** Liu, Tianyu; Liu, Changjun; Li, Haoyi; Niu, Yong; Zou, Ting; Wu, Xiaocui  
**Source title:** Journal of Materials Engineering and Performance
- 41. Accession number:** 20250817906635  
**Title:** Study on Microstructure and Cavitation Resistance of Fe-Based and Ni-Based Alloy Coatings by Plasma Transfer Arc Welding  
**Authors:** Zhou, G.X.; Zhao, T.; Wang, R.; Zhang, C.H.; Wu, C.L.; Zhang, S.; Chen, J.  
**Source title:** Journal of Materials Engineering and Performance
- 42. Accession number:** 20250717849180  
**Title:** Microstructure, Wear and Corrosion Performance of Cold Metal Transfer Additive Manufactured (Ni, Ti)-Modified Nickel Aluminum Bronze Alloy  
**Authors:** Huo, R.J.; Zhao, T.; Zhang, S.; Wu, C.L.; Zhang, C.H.; Chen, H.T.  
**Source title:** Journal of Materials Engineering and Performance
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**Title:** Effect of Al addition on phase constituent and corrosion behaviors of  $\text{Al}_x\text{CrFeMo}_{0.5}\text{Ni}_2$  high-entropy alloys  
**Authors:** Ma, Yu-qi; Zhang, Wei; Xiang, Qing-chun; Ren, Ying-lei; Qiu, Ke-qiang  
**Source title:** Journal of Materials Research and Technology
- 44. Accession number:** 20250117628634  
**Title:** Investigation on the microstructure evolution and deformation behavior of Mg - 2Zn-0.5Mn-0.2Ca-xNd/yLa alloy by in-situ tensile  
**Authors:** Mi, Jie; Liang, Shengquan; Luan, Shiyu; Ren, Qianlong; Che, Xin; Jin, Peipeng  
**Source title:** Journal of Materials Research and Technology
- 45. Accession number:** 20250717864927  
**Title:** Microstructural evolution in extruded Mg - Al - Ce-Nd-Gd-Y alloy with heterostructure under compression  
**Authors:** Feng, Yunzhao; Mi, Jie; Luan, Shiyu; Ren, Qianlong; Liang, Shengquan; Wang, Jinhui; Zhang, Lei  
**Source title:** Journal of Materials Research and Technology
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**Title:** Low cycle fatigue properties and life prediction of selective laser melted Inconel 718 at different temperatures  
**Authors:** Wang, N.; Li, W.B.; Zou, C.L.; Pang, J.C.; Chen, L.J.; Gao, C.; Zheng, S.J.; Li, S.X.; Zhang, H.; Zhang, Z.F.  
**Source title:** Journal of Materials Research and Technology
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**Title:** 3D characteristics of Fe-rich phase and its effect on mechanical properties of AA3104 alloys  
**Authors:** Yang, Dongming; Song, Dongfu; Yang, Dongyang; Zhao, Yuliang; Li, Daren; Zhou, Nan; Li, Xintao; Guo, Zhi-qiang  
**Source title:** Journal of Materials Research and Technology

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**Title:** Effect of loading modes on extension twinning behavior in AZ31 Mg alloy by in situ observation  
**Authors:** Yi, Haowei; Wei, Ziqi; Mao, Pingli; Zhou, Le; Wang, Zhi; Wang, Feng; Xu, Ning; Wang, Pengyu; Liu, Zheng  
**Source title:** Journal of Materials Science
- 49. Accession number:** 20250417733859  
**Title:** Breaking through the plasticity modeling limit in plane strain and shear loadings of sheet metals by a novel additive-coupled analytical yield criterion  
**Authors:** Du, Kai; Cui, Jianhua; Hou, Yong; Ren, Yanqiang; You, Jiaqing; Ying, Liang; Li, Xiaoqiang; Zuo, Xiaojiao; Huang, Hongjun; Yuan, Xiaoguang  
**Source title:** Journal of Materials Science and Technology
- 50. Accession number:** 20250417733845  
**Title:** A review of advancement in fluorescence-based corrosion detection for metals and future prospects  
**Authors:** Ahmed, Sharjeel; Shi, Hongwei; Ali, Mustehsin; Ali, Imran; Liu, Fuchun; Han, En-Hou  
**Source title:** Journal of Materials Science and Technology
- 51. Accession number:** 20250617808226  
**Title:** Facile design and synthesis of  $\text{Li}_2\text{FeTiO}_4$  as advanced cathode material for lithium-ion batteries  
**Authors:** Hou, Peng-Qing; Qu, Yingdong; Huang, Rui; Tian, Xinru; Li, Guanglong; Luo, Shaohua  
**Source title:** Journal of Solid State Electrochemistry
- 52. Accession number:** 20250217676640  
**Title:** Structural design and CMAS corrosion resistance of high entropy RE silicate multiphase ceramics as next-generation thermal/environmental barrier coatings  
**Authors:** Yue, Wanqiang; Zhao, Xiuyi; Wang, Zhan; Wang, Chao; Lu, Xuefeng; Liu, Feng; Liu, Shiyong; Wu, Yusheng; Wang, Zhanjie  
**Source title:** Journal of the European Ceramic Society
- 53. Accession number:** 20250117637293  
**Title:** Optimization of Microstructure and Mechanical Properties of 2219 Al Alloy Cold-Sprayed Coating by Heat Treatment  
**Authors:** Tao, Huwei; Chang, Zhilong; Shen, Yong; Liu, Zhuang; Jiang, Bingxin; Li, Zhihang; Cai, Qifeng; Zhang, Hua  
**Source title:** Journal of Thermal Spray Technology
- 54. Accession number:** 20250417745556  
**Title:** Research on the Parameter Configuration Law of Transfer of Ultramicro Liquid by Pipetting Needle Based on the Quasi-static State  
**Authors:** Chen, Xi; Liu, Huifang; Zhang, Shiyu; Chang, Yunlong; Ren, Teng  
**Source title:** Langmuir
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**Title:** The Multiple Effects of RE Element Addition in Non-Oriented Silicon Steel  
**Authors:** Li, Guobao; Yang, Yongjie; He, Zhenghua; Sha, Yuhui

- Source title:** Materials
- 56. Accession number:** 20250117642424  
**Title:** Study on the Hot Corrosion Behavior of Nitrogen-Containing Nickel-Based Cladding Layer in Na<sub>2</sub>SO<sub>4</sub> + NaCl Mixed Salt at 700° C  
**Authors:** Yang, Zhixin; Su, Yunhai; Feng, Shuo; Yang, Taisen; Dai, Zhiyong; Li, Haoxing; Yang, Yang  
**Source title:** Materials and Corrosion
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**Title:** The contribution of  $\gamma'$  phase transition induced (PI-CDRX) - CDRX-DDRX alternating cycling behavior to the hot formability of GH4079 alloy  
**Authors:** Zhang, Xiaojie; Tao, Chengchuang; Zhou, Ge; Zhang, Haoyu; Zhang, Siqian; Ma, Xin; Gan, Bin; Chen, Lijia  
**Source title:** Materials Characterization
- 58. Accession number:** 20250517798151  
**Title:** Effect of solution-aging treatment on microstructure and high temperature fracture toughness of Ti60 alloy rolled sheet  
**Authors:** Gong, Zhen; Dong, Shulin; Chen, Zhiyong; Qu, Yingdong; Chen, Ruirun; Li, Guanglong; Zhang, Wei; Na, Rongyi  
**Source title:** Materials Characterization
- 59. Accession number:** 20250417757706  
**Title:** Influence of Cu addition on the microstructure and mechanical properties of as-cast biomedical TaTi alloy  
**Authors:** Ma, Shengyao; Xi, Tong; Liu, Min; Li, Bo; Yang, Chunguang; Mao, Pingli; Yang, Ke  
**Source title:** Materials Letters
- 60. Accession number:** 20250717882893  
**Title:** Achieving synergistic enhancement of strength and plasticity of (TiC+Ti<sub>5</sub>Si<sub>3</sub>)/TC4 composites by dual-scale near-network structure design  
**Authors:** He, Tiantao; Yue, Chunyu; Zheng, Bowen; Gu, Feng; Zuo, Xiaojiao; Dong, Fuyu; Lin, Xuejian; Wang, Yinxiao; Huang, Hongjun; Yuan, Xiaoguang  
**Source title:** Materials Science and Engineering: A
- 61. Accession number:** 20250217657908  
**Title:** Effect of ultrasonic vibration on microstructure and mechanical properties of Al<sub>0.4</sub>CoCrFe<sub>2</sub>Ni<sub>2</sub> high entropy alloys reinforced by TiC with different scale  
**Authors:** Qi, Hao; Qu, Yingdong; Liu, Chenghao; Wu, Haokai; Li, Rongde; Li, Guanglong  
**Source title:** Materials Science and Engineering: A
- 62. Accession number:** 20250617818676  
**Title:** Effect of temperature on tensile properties of a third-generation low-cost single crystal superalloy: Experiments and molecular dynamics simulations  
**Authors:** Leng, Feng; Liu, Lirong; Lv, Peisen; Zhang, Jian; Zhao, Yunsong  
**Source title:** Materials Science and Engineering: A
- 63. Accession number:** 20250717861784  
**Title:** Effect of Cu on microstructure and tensile property of an Al-modified Ni-based superalloy

- Authors:** Cao, Shuting; Gong, Tongzhao; Zhang, Shaohua; Zhang, Jian  
**Source title:** Materials Science and Engineering: A
- 64. Accession number:** 20250217671617  
**Title:** Construction of multi-scale blocky retained austenite in nanostructured bainitic steel via two-step austempering  
**Authors:** Fan, Shichao; Guo, Dong; Xu, Ziqing; Hao, Hai; Bai, Yu; Wei, Le; Dai, Yongjuan  
**Source title:** Materials Science and Engineering: A
- 65. Accession number:** 20250517795314  
**Title:** Deformation behavior and strengthening mechanisms of a novel powder metallurgy Ni-based superalloy during in-situ tensile testing  
**Authors:** Liu, Yanzhuo; Chen, Lijia; Ren, Qianlong; Du, Hongqiang; Wei, Yongsheng; Shi, Yingnan; Hou, Xinmei; Wang, Jinhui; Jin, Peipeng  
**Source title:** Materials Science and Engineering: A
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**Title:** Enhance of thermoelectric properties of flexible  $\beta$ -Cu<sub>2</sub>+xSe/Cu<sub>2</sub>S multilayer films by layer interface  
**Authors:** Chen, Yu; Song, Guihong; Ben, Zhihao; Wu, Yusheng; You, Junhua  
**Source title:** Materials Science in Semiconductor Processing
- 67. Accession number:** 20250517791587  
**Title:** Needle-like morphology in a high-(Nb,Al)-contained TiAl-based alloy produced under 800 ° C plus compression  
**Authors:** Yu, Beibei; Dong, Shulin; Chang, Yiyuan; Li, Jiarui; Shang, Ju; Lin, Xinru; Qu, Yingdong; Chen, Ruirun  
**Source title:** Materials Today Communications
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**Title:** Microstructure and stress rupture properties degradation of a 2nd generation single crystal superalloy during short-duration overheating  
**Authors:** Ge, Chuntao; Liu, Lirong; Lv, Peisen; Zhou, Zhangrui; Zhang, Jian; Zhao, Yunsong  
**Source title:** Materials Today Communications
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**Title:** Precipitation phase conduction slip improves the plasticity of Mg-Zn-Mn-Ca alloy by microalloying with Nd and La elements  
**Authors:** Mi, Jie; Liang, Shengquan; Luan, Shiyu; Ren, Qianlong; Feng, Yunzhao; Cui, Jianmin; Che, Xin; Jin, Peipeng  
**Source title:** Materials Today Communications
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**Title:** In-situ synthesized (Ti,Nb)C reinforced austenitic stainless steel by laser cladding: New insights into microstructure evolution and corrosion behavior  
**Authors:** Zhang, H.F.; Wu, H.; Wang, Z.Y.; Wang, R.; Zhang, S.; Zhang, C.H.; Wu, C.L.; Chen, J.; Chen, H.T.  
**Source title:** Materials Today Communications
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**Title:** Study on the microstructure and properties of Mg-Zn-Mn-Ca alloy subjected to low-temperature extrusion-rolling composite deformation

**Authors:** Sha, Sha; Wang, Feng; Li, Rongguang; Song, Xue; Zhang, Hang; Liu, Boshu; Li, Shanshan; Tang, Yan

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**72. Accession number:** 20250217655485

**Title:** Polyamide microcapsules fabricated via spray drying and application in dual-component self-healing epoxy coating

**Authors:** Li, Jianyang; Shi, Hongwei; Gu, Songhua; Liu, Fuchun; Han, En-Hou

**Source title:** Materials Today Communications

**73. Accession number:** 20250817906595

**Title:** High-Temperature Oxidation Mechanism of Rack Steel During Electroslag Remelting Process

**Authors:** Xie, Xiangxiang; Li, Wanming; Zang, Ximin; Liu, Baoxi; Liu, Zefeng

**Source title:** Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science

**74. Accession number:** 20250117637364

**Title:** Interfacial Reaction Behavior Between a Novel Chromite – ZrO<sub>2</sub> – SiO<sub>2</sub> Mixed Sand and 13Cr9Mo1VNb Steel

**Authors:** Li, Shisen; Zang, Ximin; Kong, Lingzhong; Yang, Jie; Jing, Yu'an; Zhang, Jixin; Wang, Guocheng

**Source title:** Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science

**75. Accession number:** 20250717852215

**Title:** Nucleation and Growth Analysis of {10 – 12} Tensile Twin in TA2 Alloy by In-Situ Tensile Test

**Authors:** Wang, Pengyu; Wei, Ziqi; Mao, Pingli; Zhou, Le; Wang, Zhi; Wang, Feng; Liu, Xuanyu; Liu, Zheng

**Source title:** Metals and Materials International

**76. Accession number:** 20250517779391

**Title:** Platanus occidentalis L. fruit-derived carbon materials for electrochemical potassium storage

**Authors:** Hao, Jiaxing; Ye, Mingyuan; Vijaya Kumar Saroja, Ajay Piriya; Liu, Liying; Wu, Yuhan; Hao, Xiaorui; Liu, Feng; Fang, Yingjiao; Dong, Xuejun; Li, Laishi; Wu, Yusheng; Xu, Yang

**Source title:** Nanotechnology

**77. Accession number:** 20250717889510

**Title:** Microstructure and thermoelectric properties of Mg<sub>3</sub>(Bi,Sb)<sub>2</sub> films containing a Mg metal phase

**Authors:** Luo, Di; Song, Guihong; Zhang, Lingyu; Wu, Yusheng; You, Junhua

**Source title:** New Journal of Chemistry

**78. Accession number:** 20250517773691

**Title:** Effect of upconversion nanoparticles with various sizes on energy transfer efficacy of photosensitizer acceptors

**Authors:** Ren, Jie; Li, Chunxia; Ji, Xiaorui; Meng, Guangyi; Shi, Shuhui; Zhang, Siruo

**Source title:** Optical Materials

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**Title:** Dynamic magnetic characteristics and hysteresis behaviors of X540@Y540: A Monte Carlo study  
**Authors:** Li, Bo-chen; Wang, Wei; Lv, Dan  
**Source title:** Physica A: Statistical Mechanics and its Applications
- 80. Accession number:** 20250317714215  
**Title:** Electrochemical Oxidation Mechanism of Tetracycline in Various Supporting Electrolytes Based on a Boron-Doped Diamond Anode  
**Authors:** Li, Junyao; Zhai, Zhaofeng; Zhang, Chuyan; Chen, Bin; Hu, Tianwen; Song, Haozhe; Yang, Yuhua; Lv, Chengcheng; Liu, Lusheng; Jiang, Xin; Huang, Nan  
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- 81. Accession number:** 20250217654646  
**Title:** Impact of TM elements (TM=Cr, Mn, Ti, Sc) doped on the electronic and mechanical properties of ZrAlNi intermetallics  
**Authors:** Wang, Kun; Zhang, Xudong; Wang, Feng  
**Source title:** Physics Letters, Section A: General, Atomic and Solid State Physics
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**Title:** Effect of Tempering Temperature on the Strength and Ductility of a Low-Activation Martensitic Steel  
**Authors:** Li, Zhenshuai; Tian, Yang; Cheng, Jiwen; Zhou, Jinhua; Jiang, Yifu; Wu, Yuchao; Wang, Zuncheng; Wang, Xin  
**Source title:** Steel Research International
- 83. Accession number:** 20250217652257  
**Title:** Newly discovered ( $\alpha$  2+  $\gamma$ ) lamellae growth behavior in TiAl-based alloy  
**Authors:** Dong, Shulin; Chang, Yiyuan; Qu, Yingdong; Chen, Ruirun; Wang, Qi; Li, Guanglong; Yu, Beibei; Li, Zhenming  
**Source title:** Vacuum
- 84. Accession number:** 20250317709015  
**Title:** B2 phase precipitation behavior in high-Nb TiAl alloy under lower temperature and shorter time with compression stress  
**Authors:** Chang, Yiyuan; Dong, Shulin; Liu, Shibing; Qu, Yingdong; Chen, Ruirun; Li, Guanglong; Zhang, Wei; Zhang, Siruo  
**Source title:** Vacuum
- 85. Accession number:** 20250517780619  
**Title:** Effect of  $\alpha$  Phase on Stress Corrosion Behavior of Metastable  $\beta$  Titanium Alloy Ti-5.5Cr-5Al-4Mo-3Nb-2Zr in 3.5wt% NaCl Solution  
**Authors:** Liu, Xuan; Zhang, Haoyu; Wang, Shengyuan; Zhou, Ge; Cheng, Jun; Chen, Lijia  
**Source title:** Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering
- 86. Accession number:** 20251118039483  
**Title:** High-Entropy Composition Design for Achieving Excellent Energy Storage Performance in (Bi0.5Na0.5)0.94Ba0.06TiO3-Based Ceramics  
**Authors:** Niu, Yiwen; Zhang, Fan; Zhang, Zhiqiang; Li, Meiyue; Liu, Jihang; Wang, Zhan Jie  
**Source title:** ACS Applied Electronic Materials

- 87. Accession number:** 20251118030289  
**Title:** High-Performance Energy Storage in Ba(Al<sub>0.5</sub>Nb<sub>0.5</sub>)O<sub>3</sub>-Modified (Bi<sub>0.5</sub>Na<sub>0.5</sub>)TiO<sub>3</sub>-Based Lead-Free Ceramics via High-Entropy Strategy  
**Authors:** Zhang, Zhiqiang; Zhang, Fan; Niu, Yiwen; Li, Meiyue; Liu, Jihang; Wang, Zhan Jie  
**Source title:** ACS Applied Materials and Interfaces
- 88. Accession number:** 20251018000270  
**Title:** Improved compressive strength of laser powder bed fused porous tantalum by hot isostatic pressing  
**Authors:** Qin, Feng; Chen, Lijia; Zhou, Ge; Shi, Qi; Liu, Binbin; Liu, Xin  
**Source title:** Additive Manufacturing
- 89. Accession number:** 20251017987165  
**Title:** Deformation and Dynamic Recrystallization Alternately Dominate under 800 ° C with Different Initial Stresses  
**Authors:** Chang, Yiyuan; Dong, Shulin; Qu, Yingdong; Chen, Ruirun; Li, Guanglong; Zhang, Wei  
**Source title:** Advanced Engineering Materials
- 90. Accession number:** 20251118051312  
**Title:** Stress Relaxation Stability of (Nb, W) Coalloying TiAl-Based Alloys at Different Temperatures of 500 – 800 ° C and Different Initial Stresses of 300 – 600 MPa  
**Authors:** Zhang, Mingxu; Dong, Shulin; Qu, Yingdong; Chen, Ruirun; Liu, Shibing; Li, Guanglong; Zhang, Wei; Zhang, Siruo  
**Source title:** Advanced Engineering Materials
- 91. Accession number:** 20251118051313  
**Title:** High-Temperature Three-Point Bending Property of Ti60 Alloy Rolled Sheet Before and After Vacuum Solution Aging Treatment  
**Authors:** Gong, Zhen; Dong, Shulin; Chen, Zhiyong; Qu, Yingdong; Chen, Ruirun; Li, Guanglong; Zhang, Wei  
**Source title:** Advanced Engineering Materials
- 92. Accession number:** 20251017985019  
**Title:** Preparation and Microwave Absorption Properties of NiCo@C(N)/NC Nanocomposites  
**Authors:** Bao, Xiukun; Shi, Guimei  
**Source title:** Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research
- 93. Accession number:** 20250917961171  
**Title:** Effect of Long-term Thermal Exposure on Microstructure Evolution of Interface Thermal Barrier Coating/DZ411 Ni-based Superalloy  
**Authors:** Yuan, Hongyuan; Zhang, Siqian; Wang, Dong; Zhang, Yingjian; Ma, Li; Yu, Minghan; Zhang, Haoyu; Zhou, Ge; Chen, Lijia  
**Source title:** Cailiao Yanjiu Xuebao/Chinese Journal of Materials Research
- 94. Accession number:** 20251017984998  
**Title:** Tensile Properties and Deformation Mechanism of Additive Manufacturing Superalloy at Different Temperatures

**Authors:** Wang, Na; Li, Wenbin; Pang, Jianchao; Chen, Lijia; Gao, Chong; Zou, Chenglu; Zhang, Hui; Li, Shouxin; Zhang, Zhefeng

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

**95. Accession number:** 20250917938520

**Title:** Isotope-tagging atmosphere to characterize carbonate ore decomposition reaction in carbon dioxide

**Authors:** Liu, Xuejing; Xie, Jiaqi; Li, Xiyan; Xu, Shuai; Zhang, Hong; Jia, Xin; Xu, Guangwen

**Source title:** Carbon Resources Conversion

**96. Accession number:** 20251218070054

**Title:** Improving energy storage performance of (Bi<sub>0.5</sub>Na<sub>0.5</sub>)<sub>0.94</sub>Ba<sub>0.06</sub>TiO<sub>3</sub>-based high-entropy ceramics by A/B-site Co-regulation

**Authors:** Niu, Yiwen; Zhang, Fan; Zhang, Zhiqiang; Li, Meiyue; Liu, Jihang; Wang, Zhan Jie

**Source title:** Ceramics International

**97. Accession number:** 20251118023059

**Title:** Wetting behaviors and penetration mechanism between TiAl alloy and Y<sub>2</sub>O<sub>3</sub> porous ceramics with various microstructures

**Authors:** Dang, Qian; Zhang, Yun-Fei; Zan, Wen-Yu; Yu, Wei; Zhang, Chi; Liu, Guo-Huai; Wang, Zhao-Dong

**Source title:** Ceramics International

**98. Accession number:** 20250917968869

**Title:** Effect of temperature on gas-solid flow structure in bubbling fluidized beds

**Authors:** Zhang, Qingjin; Chen, Zeshi; Gao, Han; Fu, Liangliang; Xu, Guangwen; Bai, Dingrong

**Source title:** Ceramics International

**99. Accession number:** 20250917969860

**Title:** The effect of Al<sub>2</sub>O<sub>3</sub> content on mechanical properties and interfacial wetting behavior of Y<sub>2</sub>O<sub>3</sub> - Al<sub>2</sub>O<sub>3</sub> composite crucibles

**Authors:** Dang, Qian; Yu, Wei; Zhang, Chi; Liu, Guo-Huai; Wang, Zhao-Dong

**Source title:** Construction and Building Materials

**100. Accession number:** 20251118053351

**Title:** Potential-dependent Cr/Mo ratio effect on the passivity of Fe-based metallic glass in simulated wet storage environment of spent nuclear fuels

**Authors:** Huang, Ping; Wang, Debin; Cui, Jingping; Liu, Jiaqi; Zhang, Suode; Ren, Yinglei; Qiu, Keqiang; Wang, Jianqiang

**Source title:** Corrosion Science

**101. Accession number:** 20251218089625

**Title:** EIS interpretation on the structure evolution of passive coating on tinplate exposed to atmospheric environment

**Authors:** Liu, Zhuang; Qiao, Chuang; Jiang, Jinli; Che, Xin; Dai, Chunli; Shen, Yong; Hao, Long; Chen, Lijia

**Source title:** Corrosion Science

**102. Accession number:** 20250917973815

**Title:** Synthesis and characterisation of polycarbonates from spent lithium battery electrolytes

**Authors:** Wang, Haiyue; Deng, Lili; Fang, Bing; Li, Xiaolong; Guo, Liying; Zheng, Rongrong

**Source title:** Green Chemistry

**103. Accession number:** 20250817935436

**Title:** Influence of central ventilation on the formation of narrow gap TIG welds

**Authors:** Xu, Wanghui; Jia, Xinghua; Zhao, Rongze; Yu, Chen; Guo, Chunfu; Yang, Chen

**Source title:** Hanjie Xuebao/Transactions of the China Welding Institution

**104. Accession number:** 20251218083624

**Title:** Effect of Cu Addition on the Hot Tearing Susceptibility and Fluidity of Mg-5Zn-xCu-0.5Zr Alloys

**Authors:** Cong, Wenyuan; Wang, Feng; Bai, Shengwei; Du, Xudong; Wang, Zhi; Zhou, Le; Wei, Ziqi; Mao, Pingli; Li, Jinwei

**Source title:** International Journal of Metalcasting

**105. Accession number:** 20251018020115

**Title:** Arc Characteristics and Welding Joints in Pulsed TIG Welding with Different Current Waveforms

**Authors:** Liu, Yuze; Zhao, Honglei; Li, Yiwen; Zhang, Siyu; Miao, Junyan; Xing, Senyao; Dong, Hao; Chang, Yunlong

**Source title:** International Journal of Precision Engineering and Manufacturing

**106. Accession number:** 20250917959255

**Title:** A new coupled yield criterion focusing on the precise description of anisotropic behavior under broader stress states: Modeling, validation, and convexity analysis

**Authors:** Sun, Liang; Du, Kai; Ren, Yanqiang; Hou, Yong; You, Jiaqing; Dong, Li; Zhang, Liang; Dong, Hongrui; Li, Xiaoqiang; Yuan, Xiaoguang

**Source title:** International Journal of Solids and Structures

**107. Accession number:** 20250917961139

**Title:** Study on the Adsorption Mechanism and Desorption Process of Gallium and Vanadium in Practical Bayer Liquor by Amidoxime Porous Resin

**Authors:** Qu, Lingyu; Li, Laishi; Wu, Yusheng; Liu, Feng; Wang, Yuzheng

**Source title:** JOM

**108. Accession number:** 20250917961652

**Title:** Microstructural, Mechanical, and Damping Properties of WE43 Alloy

**Authors:** Zhou, Le; Huang, Tianqi; Ren, Guiyuan; Wang, Zhi; Wang, Feng; Wei, Ziqi; Mao, Pingli; Liu, Zheng

**Source title:** JOM

**109. Accession number:** 20250917975745

**Title:** Publisher Correction: Preparation of Na<sub>2</sub>FeO<sub>4</sub> from Red Mud Sodium Roasting and Alkali Leaching Residue with the Aid of Ultrasound (JOM, (2025), 10.1007/s11837-025-07144-1)

**Authors:** Guan, Shuyue; Tang, Junjie; Sun, Yuan; Yang, Yanhong; Li, Laishi; Wu, Yusheng; Shi, Fanian

**Source title:** JOM

**110. Accession number:** 20251017994933

**Title:** Effect of deep cryogenic treatment on microstructure and properties of Al-Cu-Mg-Ag alloy with RRA

**Authors:** Liu, Jingwen; Shi, Ling; Su, Ruiming; Liu, Tongyu; Li, Guanglong

**Source title:** Journal of Alloys and Compounds

**111. Accession number:** 20251318110576

**Title:** Cyclic non-isothermal aging: An aging method to simultaneously improve mechanical properties and corrosion resistance of Al-Zn-Mg-Cu alloys

**Authors:** Li, Kunze; Wang, Yuezhu; Su, Ruiming; Li, Guanglong; Qu, Yingdong

**Source title:** Journal of Alloys and Compounds

**112. Accession number:** 20250917959002

**Title:** Solidification of a nickel-based superalloy containing copper: A study combined with experiment and phase-field simulation

**Authors:** Cao, Shuting; Gong, Tongzhao; Zhang, Shaohua; Zhang, Jian; Chen, Yun; Chen, Xing-Qiu; Li, Dianzhong

**Source title:** Journal of Alloys and Compounds

**113. Accession number:** 20251017995152

**Title:** Preparation, mechanical properties and tribological properties of Cu matrix composites induced by an Al-TiB<sub>2</sub> precursor

**Authors:** Liu, Zhifeng; Chen, Xiao; Zhang, Siruo; Cao, Fei; Jiang, Yihui; Chen, Zongning; Kang, Huijun; Cao, Zhiqiang; Guo, Enyu; Liang, Shuhua; Wang, Tongmin

**Source title:** Journal of Alloys and Compounds

**114. Accession number:** 20251218089981

**Title:** A novel modifier Al-Sr-RE for improving the microstructure and mechanical properties of recycled AA3104 alloy

**Authors:** Yang, Dongming; Yuchua, Cai; Song, Dongfu; Yang, Dongyang; Zhao, Yuliang; Xiangjie, Wang; Zhou, Nan; Guo, Zhi-qiang; Ke, Bin

**Source title:** Journal of Alloys and Compounds

**115. Accession number:** 20251017999650

**Title:** Influence of non-metal doping and biaxial strain on the photovoltaic characteristics of monolayer 1T-PtSe<sub>2</sub>

**Authors:** Dong, Yao; Yang, Lu; Bao, Jinlin; Liu, Huaidong; Zhao, Yanshen; Wei, Xingbin; Sun, Shihang

**Source title:** Journal of Computational Electronics

**116. Accession number:** 20251118036032

**Title:** Microstructure evolution and plastic deformation behavior of DR-B2/ID-FCC phase lightweight high entropy alloy during improving thermal processing properties

**Authors:** Jiang, Xueyu; Che, Xin; Zhang, Haoyu; Zhang, Siqian; Wen, Xuelong; Zhou, Ge; Chen, Lijia; Liaw, Peter K.

**Source title:** Journal of Manufacturing Processes

**117. Accession number:** 20251118051266

**Title:** Effect of Nb Addition on the Microstructure and Corrosion Behavior of AlCrFe<sub>2</sub>CuNi High-Entropy Alloy Surfacing Layers

**Authors:** Feng, Shuo; Su, Yunhai; Yang, Zhixin; Liang, Xuewei; Wu, Zhangwei; Sun, Bowen; Yu, Haozhe; Yang, Fan

- Source title:** Journal of Materials Engineering and Performance
- 118. Accession number:** 20251118020714  
**Title:** Effects of Pre-deformation on Microstructure and Corrosion Resistance of 304L Cu-Containing Austenitic Stainless Steel  
**Authors:** Zhao, Lidong; Zang, Ximin; Pang, Qihang; Xu, Mei; Li, Weijuan; Mo, Jinqiang  
**Source title:** Journal of Materials Engineering and Performance
- 119. Accession number:** 20250917961132  
**Title:** Investigation on the synergistic improvement of strength and plasticity in Tip/AXM310 magnesium matrix composites fabricated by melt casting-extrusion process  
**Authors:** Hu, Shenghao; Wang, Feng; Du, Xudong; Kang, Kai; Song, Tijie; Zhou, Le; Mao, Pingli; Li, Jinwei  
**Source title:** Journal of Materials Science
- 120. Accession number:** 20251118052366  
**Title:** Effect of low-energy pulse current on the microstructure and properties of a Ni-based superalloy  
**Authors:** Ma, Jinchao; Guo, Jingdong; Liu, Jide; Luo, Xinyi; Zhang, Zhipeng; Zhang, Tao; Yan, Jiacheng; Zhang, Mingkui; Cui, Chuanyong; Zhang, Xinfang; Zhou, Yizhou; Li, Jinguo  
**Source title:** Journal of Materials Science and Technology
- 121. Accession number:** 20251318113802  
**Title:** Crystallization, thermal, and mechanical properties of ethylene-propylene block copolymer/random copolymer blends  
**Authors:** Hua, Xia; Xue, Qiaonan; Zhao, Yuzhuo; Liu, Li-Zhi; Wang, Yuanxia; Shi, Ying; Zhang, Qi; Qiu, Ying  
**Source title:** Journal of Polymer Research
- 122. Accession number:** 20251218079885  
**Title:** Mechanistic Insights Into the Role of a Dual Compatibilization Strategy in Improving Mechanical Properties of PLA/TPO(NV) Blends  
**Authors:** Li, Yongchao; Qiu, Ying; Wei, Lan; Song, Yu; Liu, Guohui; Yu, Lingxiao; Gao, Guangxu; Gao, Jialu; Huang, Jiangting; Wang, Yuanxia; Shi, Ying; Liu, Li-Zhi; Zhang, Qi; Song, Lixin  
**Source title:** Journal of Polymer Science
- 123. Accession number:** 20251218081354  
**Title:** Influence of Sb content on carrier transport and thermoelectric properties of flexible Bi-Sb films  
**Authors:** Ben, Zhihao; Song, Guihong; Chen, Yu; Wu, Yusheng; You, Junhua  
**Source title:** Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films
- 124. Accession number:** 20251018000459  
**Title:** Effect of deformation amount on microstructure and properties of Al - Cu - Mg - Ag alloy with T9I4 treatment  
**Authors:** Liu, Jingwen; Su, Ruiming; Shi, Ling; Liu, Tongyu; Li, Guanglong  
**Source title:** Materials Chemistry and Physics
- 125. Accession number:** 20251017988003  
**Title:** Effect of non-metallic X (X = C, N, O) doping and tensile strain on the optoelectronic properties of monolayer 2H-GaS

- Authors:** Tian, Zilian; Yang, Lu; Bao, Jinlin; Yang, Xiaotong; He, Jianlin  
**Source title:** Materials Today Communications
- 126. Accession number:** 20251218067930  
**Title:** Effect of heat treatment on damping behaviors of extruded AM30 alloy  
**Authors:** Wang, Zhi; Wang, Xiting; Xu, Chenkun; Zhou, Le; Wang, Feng; Zhang, Weihang; Wei, Ziqi; Mao, Pingli  
**Source title:** Materials Today Communications
- 127. Accession number:** 20250917948629  
**Title:** Effects of constraint conditions and precursor sizes on the pore structure and flexural properties of AlSi8Mg4 alloy foam  
**Authors:** Guo, Zhiqiang; Yin, Xuewen; He, Shuailin; Zu, Guoyin; Wang, Feng  
**Source title:** Materials Today Communications
- 128. Accession number:** 20251017989862  
**Title:** High temperature compression property of (Nb,Fe) co-alloying TiAl-based alloys with initial stress 300 MPa at 400 ° C-700 ° C  
**Authors:** Zhang, Mingxu; Dong, Shulin; Qu, Yingdong; Chen, Ruirun; Liu, Shibing; Zhenghan, Wang  
**Source title:** Materials Today Communications
- 129. Accession number:** 20251118055907  
**Title:** Elucidating deformation mechanisms in AZ31 magnesium alloy through in-situ EBSD analysis of texture components  
**Authors:** Xu, Ning; Mao, Ping li; Wang, Qun jiao; Zhou, Le; Wei, Zi qi; Wang, Zhi; Wang, Feng; Liu, Zheng  
**Source title:** Materials Today Communications
- 130. Accession number:** 20251118032962  
**Title:** Dynamic Recrystallization Grain Identification for a Duplex-Phase Titanium Alloy Based on a Machine Learning Method  
**Authors:** Zhang, Shuai; Zhang, Haoyu; Sun, Jie; Yan, Liyuan; Wang, Chuan; Zhou, Ge; Chen, Lijia  
**Source title:** Metals and Materials International
- 131. Accession number:** 20251318112705  
**Title:** Microstructure and mechanical properties of additive manufactured TiC-reinforced Fe55Cr25Co10Ni10 high-entropy alloy composites  
**Authors:** Wang, Zijian; Xing, Fei; Xu, Guojian; Liu, Weijun; Bian, Hongyou  
**Source title:** Optics and Laser Technology
- 132. Accession number:** 20251118025569  
**Title:** Evolution of residual stress and microstructure in single crystal superalloys via directed energy deposition  
**Authors:** Guo, Yimo; Lu, Nannan; Yang, Yanhong; Liang, Jingjing; Zhang, Guangrui; Li, Jinguo; Zhou, Yizhou; Sun, Xiaofeng  
**Source title:** Optics and Laser Technology
- 133. Accession number:** 20250817924807  
**Title:** Density functional theory study on the influence of zero-mode on the metallicity of stanene nanoribbons

- Authors:** Wei, Lin; Wang, JiaXin; Liu, GuiLi; Zhang, GuoYing  
**Source title:** Physica B: Condensed Matter
- 134. Accession number:** 20251318113740  
**Title:** First-principles calculations of the mechanical, electronic, and thermal properties of Cr<sub>3</sub>XN (X = Ga, Pd, Pt, Sn, As, Ge) type materials with anti-perovskite structure  
**Authors:** Wu, Hao; Ma, He; Zhang, Xudong; Chen, Lijia; Gao, Qiang; Chen, Shiyi  
**Source title:** Physica Scripta
- 135. Accession number:** 20250917958397  
**Title:** Dynamic magnetic behaviors and magnetocaloric effect of CrI<sub>3</sub>-like bilayer structure  
**Authors:** Shi, Kai-Le; Jiang, Wei  
**Source title:** Physica Scripta
- 136. Accession number:** 20251018006246  
**Title:** Preparation of Diisopropyl Carbonate from Isosorbitol by Ionic Liquid Catalysis  
**Authors:** Wang, Haiyue; Ren, Guanyu; Zhao, Wenkai; Wang, Jingwen; Guo, Liying; Zhao, Haichao; Chai, Jingyu  
**Source title:** Russian Journal of Applied Chemistry
- 137. Accession number:** 20250817933151  
**Title:** Peritectic and incongruent equilibrium during surface electro-oxidation of C-276 Hastelloy for rapid fabrication of urea-assisted water-splitting anode  
**Authors:** Lin, Li; Yu, Jia; Lv, Panpan; Song, Andong; Chen, Lijia  
**Source title:** Scripta Materialia
- 138. Accession number:** 20251118025789  
**Title:** Influence mechanisms of Y<sub>2</sub>O<sub>3</sub> addition on the microstructure and wear resistance of laser-cladded T-800 + Si coatings on DD5 substrates  
**Authors:** Zhang, Guangtai; Liu, Weijun; Bian, Hongyou; Xi, Wenchao; Zao, Yijie; Zhang, Kai; Wang, Huiru  
**Source title:** Surface and Coatings Technology
- 139. Accession number:** 20251017984228  
**Title:** The effect of biaxial strain on the optoelectronic properties of a single-layer 2H-GaS system with S vacancies  
**Authors:** Tian, Zilian; Yang, Lu; He, Jianlin; Liu, Huaidong; Yang, Xiaotong; Yang, Hang; Dong, Yao; Zhao, Wei  
**Source title:** Surface Science
- 140. Accession number:** 20250917973743  
**Title:** Reciprocating Sliding Friction and Wear Behavior between Wellbore Cleaning Tools against Casing  
**Authors:** Zhao, Yuying; Xue, Weihai; Gao, Siyang; Zheng, Bowen; Ma, Rutao; Duan, Deli  
**Source title:** Surface Technology
- 141. Accession number:** 20250917980988  
**Title:** Preparation and Characterization of Fluorosilane-modified Nano-silica Superhydrophobic and Anti-corrosion Coatings on Aluminium Alloy  
**Authors:** Liu, Hengyang; Zhang, Lei; Shi, Hongwei; Song, Yingwei; Han, Enhou  
**Source title:** Surface Technology
- 142. Accession number:** 20250917961884

**Title:** Prediction Model of Endpoint Temperature of Converter Steelmaking Based on PCA-BP Neural Network

**Authors:** Xie, Xiangxiang; Wang, Huajian; Li, Wanming; Zhan, Dongping; Li, Xueying; Zang, Ximin

**Source title:** Transactions of the Indian Institute of Metals

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1. **Accession number:** 20250817921456  
**Title:** Electrical and Thermal Conductivity of Graphene/Copper Composites and Their Applications in High-Efficiency Current-Carrying Conductors: A Review  
**Authors:** Zhong, Simeng; Zhang, Xiaoting; Liu, Aimin; Zhang, Bingyi  
**Source title:** Advanced Engineering Materials
2. **Accession number:** 20250817910280  
**Title:** Enhancing sleep stage classification through simultaneous time - frequency tokenization  
**Authors:** Zhou, Qiaoli; Li, Shurui; Ye, Xiyuan; Shi, Xiaoqiang; Du, Qiang; Ke, Li  
**Source title:** Biomedical Signal Processing and Control
3. **Accession number:** 20250217664684  
**Title:** Open Winding-permanent Magnet/Magnet Reluctance Hybrid Rotor Double Stator Synchronous Motor SVPWM Control  
**Authors:** Pang, Yufeng; Jin, Shi; Jin, Wuhen; Yu, Siyang  
**Source title:** CES Transactions on Electrical Machines and Systems
4. **Accession number:** 20250217659679  
**Title:** Analysis and Reduction of Cogging Torque of Permanent Magnet Synchronous Wind Generators based on the Magnetic Field Modulation Mechanism  
**Authors:** Li, Zexing; Liu, Chao; Fan, Yiwen; Zhang, Zixuan; Xia, Jiakuan  
**Source title:** CES Transactions on Electrical Machines and Systems
5. **Accession number:** 20250517775542  
**Title:** Fast Calculation Method of 3D Nonlinear Magnetic Field Based on Adaptive Model Order Reduction  
**Authors:** Liu, Yutong; Ren, Ziyang; Chi, Lianqiang; Zhang, Dianhai; Zhang, Yanli  
**Source title:** Diangong Jishu Xuebao/Transactions of China Electrotechnical Society
6. **Accession number:** 20250817891174  
**Title:** Steady-State Performance of a Novel Dual-Capacitor Three-Phase Induction Motor in Single-Phase Operation Mode  
**Authors:** Zhao, Guoxin; Cui, Xiaoyuan; Bai, Haonan; Chen, Dezhi; Zhang, Peng  
**Source title:** Diangong Jishu Xuebao/Transactions of China Electrotechnical Society
7. **Accession number:** 20250217649868  
**Title:** Analytical Model of Air-Gap Magnetic Field of Slotted Axial Flux Permanent Magnet Motor Based on Improved Complex Relative Permeance Function  
**Authors:** Tong, Wenming; Du, Shaoyu; Jia, Jianguo; Huang, Rui  
**Source title:** Diangong Jishu Xuebao/Transactions of China Electrotechnical Society
8. **Accession number:** 20250517770453  
**Title:** Temperature correction design of high-speed external rotor permanent magnet synchronous motor in turbine environment  
**Authors:** Teng, Xiaoyuan; Li, Yan; Feng, Guihong; Zhang, Bingyi; Liu, Zeyu  
**Source title:** Dianji yu Kongzhi Xuebao/Electric Machines and Control
9. **Accession number:** 20250417761630

**Title:** Research on Arc Extinguishing Characteristics of Single-Phase Grounding Fault in Distribution Network

**Authors:** Li, Yan; Xu, Jianyuan; Wang, Peng; Li, Guanhua

**Source title:** Energies

**10. Accession number:** 20250117640389

**Title:** Dispatch Operation Framework for Multi-electrolysis Cells Power to Hydrogen (P2H) Cluster System Considering of Efficiency Optimization

**Authors:** Dong, Yannan; Li, Xiangjun; Han, Zijiao; Bai, Jintong; Ma, Shaohua

**Source title:** Gaodianya Jishu/High Voltage Engineering

**11. Accession number:** 20250217650064

**Title:** Temperature rise characteristics of C5F10O/CO<sub>2</sub> gas mixture AC high voltage switch bus

**Authors:** Cui, Zhaoxuan; Lin, Xin; Li, Xiaolong; Xia, Yalong; Geng, Zhenxin; Xu, Jianyuan

**Source title:** High Voltage

**12. Accession number:** 20250717866889

**Title:** A Dynamic Compensation Scheme for Multi-Load WPT System based on Parity-Time Symmetry

**Authors:** Liu, Yan; Wei, Jiaming; Han, Minghui

**Source title:** IEEE Access

**13. Accession number:** 20250117625661

**Title:** Modeling and Analysis of Quasi-3D Equivalent Magnetic Network of Direct-Drive Inner Boost Permanent Magnet Motor

**Authors:** Wu, Jiacheng; Wang, Shuai; Hu, Yan; Zhang, Bingyi; Xu, Xuefeng

**Source title:** IEEE Access

**14. Accession number:** 20250317699043

**Title:** The Decomposition Pathways of C<sub>4</sub>F<sub>7</sub>N/CO<sub>2</sub> Mixtures in the Presence of Organic Insulator Vapors

**Authors:** Liu, Sijie; Li, Xiaolong; Wang, Wen; Geng, Zhenxin; Lin, Ying

**Source title:** IEEE Access

**15. Accession number:** 20250317699043

**Title:** The Decomposition Pathways of C<sub>4</sub>F<sub>7</sub>N/CO<sub>2</sub> Mixtures in the Presence of Organic Insulator Vapors

**Authors:** Liu, Sijie; Li, Xiaolong; Wang, Wen; Geng, Zhenxin; Lin, Ying

**Source title:** IEEE Access

**16. Accession number:** 20250417749953

**Title:** Degradation Stage Division and Identification of AC contactor's Contact System

**Authors:** Xing, Chaojian; Liu, Shuxin; Li, Yankai; Xu, Jing; Li, Jing

**Source title:** IEEE Sensors Journal

**17. Accession number:** 20250617821218

**Title:** Design of Three-dimensional Interpenetrating Contact Bounce Suppression Parameters During Contactor Closing Process Based on Improved Particle Swarm Algorithm

**Authors:** Zhang, Junhan; Han, Ying; Zhang, Lipeng

**Source title:** IEEE Transactions on Components, Packaging and Manufacturing Technology

**18. Accession number:** 20250417744241

**Title:** Effect of Flux Density Harmonics on Torque Characteristics of Integer Slot and Fractional Slot PMSMs

**Authors:** Chen, Jinhua; Yang, Jiutong; Liu, Wei; Yang, Guilin; Zhang, Chi

**Source title:** IEEE Transactions on Energy Conversion

**19. Accession number:** 20250417730907

**Title:** Eddy Current Loss Calculation of High-Speed Permanent Magnet Machine With New Type of Powder Block Hierarchy Structure Rotor

**Authors:** Zhang, Yue; Luo, Hao; Wang, Huijun; Jia, Guanglong; Liu, Guangwei

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

**20. Accession number:** 20250417739925

**Title:** Calculation of Magnetic and Magnetostriction Characteristics of Electrical Steel Sheet under Harmonic Condition

**Authors:** Su, Zhonghuan; Luo, Longfu; Chen, Dezhi

**Source title:** IEEE Transactions on Instrumentation and Measurement

**21. Accession number:** 20250317699122

**Title:** Dynamic Modeling and Analysis for Electricity-Gas Systems with Electric-driven Compressors

**Authors:** Huang, Yujia; Sun, Qiuye; Chen, Zhe; Gao, David Wenzhong; Pedersen, Torben Bach; Larsen, Kim Guldstrand; Li, Yushuai

**Source title:** IEEE Transactions on Smart Grid

**22. Accession number:** 20250117627799

**Title:** Enhancing stability and safety: A novel multi-constraint model predictive control approach for forklift trajectory

**Authors:** Sun, Yizhen; Yang, Junyou; Zhao, Donghui; Okonkwo, Moses Chukwuka; Zhang, Jianmin; Wang, Shuoyu; Liu, Yang

**Source title:** IET Cyber-systems and Robotics

**23. Accession number:** 20250117633727

**Title:** Fault Feature Extraction of Rolling Bearing Based on Maximum Second-Order Cyclostationarity Blind Deconvolution and CEEMD-Teager

**Authors:** Ding, Hongchang; Cheng, Xinjie; Wang, Kai; Pu, Dewen; Liu, Guangwei

**Source title:** International Journal of Acoustics and Vibrations

**24. Accession number:** 20250717878617

**Title:** Analysis of Dynamic Interaction and Oscillation Characteristics in LCC-VSC Combined System

**Authors:** Bai, Enming; Xu, Jianyuan

**Source title:** Journal of Electrical Engineering and Technology

**25. Accession number:** 20250717847017

**Title:** Research on the Effect of Flux Density Harmonics on the Torque Harmonics of FSCW PMSMs

**Authors:** Yang, Jiutong; Chen, Jinhua; Liu, Wei; Yang, Guilin; Zhang, Chi

**Source title:** Journal of Electrical Engineering and Technology

**26. Accession number:** 20250817890992

**Title:** Non-invasive load recognition of electrical signals based on improved Conv-TasNet

**Authors:** Xu, Jian; Hu, Bo; Zhang, Pengfei; Xing, Zuoxia; Cui, Jia; Han, Ni

- Source title:** Journal of Power Electronics
- 27. Accession number:** 20250517781935  
**Title:** Detecting fish diseases using improved YOLOv8 and multi-label compensation  
**Authors:** Tang, Yonghua; Zhang, Zhipeng; Lin, Sen; Liu, Xingtong; Rong, Hongyang; Wang, Tengchuan  
**Source title:** Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering
- 28. Accession number:** 20250217665215  
**Title:** Interaction between arc root stagnation-transition and contact erosion during direct current air circuit breaker interruption  
**Authors:** Duan, Wei; Li, Jing; Bao, Yuliang; Huang, Hao; Yang, Juncheng; Liu, Shuxin; Cao, Yundong  
**Source title:** Physics of Fluids
- 29. Accession number:** 20250517774994  
**Title:** The improvement of self-excited small current breaking of SE-DCCB by magnetic field reconstruction based on the evolution mechanism of arc root transition  
**Authors:** Li, Jing; Yin, Yue; Peng, Shidong; Liu, Shuxin; Fu, Yue; Yu, Longbin  
**Source title:** Physics of Plasmas
- 30. Accession number:** 20250617823333  
**Title:** Research on frequency stability control method of multi-energy system considering grid-connected parameters of electric hydrogen energy coupling equipment  
**Authors:** Zuo, Hao; Teng, Yun; Chen, Zhe  
**Source title:** Science and Technology for Energy Transition (STET)
- 31. Accession number:** 20250517787388  
**Title:** Kinetic and isothermal adsorption equilibrium on mercury removal by Mechanochemical elemental sulfur modified petroleum coke  
**Authors:** Lin, Yuhong; Zheng, Wei; Ma, Anjun; Li, Hailong  
**Source title:** Separation and Purification Technology
- 32. Accession number:** 20250417762062  
**Title:** RESEARCH ON FAULT LINE SELECTION METHOD FOR OFFSHORE WIND FARM COLLECTING LINES BASED ON SPARSE MEASUREMENT  
**Authors:** Wang, Xiaodong; Wu, Jiahao; Gao, Xing; Liu, Yingming  
**Source title:** Taiyangneng Xuebao/Acta Energiae Solaris Sinica
- 33. Accession number:** 20250417762072  
**Title:** PREDICTIVE WAKE OPTIMIZATION CONTROL FOR FLOATING WIND FARM MODELS CONSIDERING TILT AND YAW  
**Authors:** Wang, Xiaodong; Li, Binbin; Liu, Yingming; Zhu, Ruonan; Wang, Ruojin; Xu, Xuefeng  
**Source title:** Taiyangneng Xuebao/Acta Energiae Solaris Sinica
- 34. Accession number:** 20250817921218  
**Title:** Multi-task allocation framework in context of caregiver-robot collaborative elderly care  
**Authors:** Li, Yong; Wang, Yue; Liu, Fuqiang; Sun, Baiqing; Li, Kairu

**Source title :** Zhejiang Daxue Xuebao (Gongxue Ban)/Journal of Zhejiang University (Engineering Science)

**35. Accession number:** 20250517775478

**Title:** Research on vibration characteristics of bionic limb-like quasi-zero stiffness isolation system

**Authors:** Liu, Haichao; Yan, Ming; Jin, Yingli; Sun, Ziqiang; Wang, Kaiping; Yang, Ning

**Source title:** Zhendong Gongcheng Xuebao/Journal of Vibration Engineering

**36. Accession number:** 20250317681125

**Title:** Fault Diagnosis of Rotating Machinery Bearings Based on Multi-source Wavelet Transform Neural Network

**Authors:** Guo, Haiyu; Zou, Shenggong; Zhang, Xiaoguang; Lu, Fanfan; Chen, Yang; Wang, Han; Xu, Xinzhi

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

**37. Accession number:** 20251218081281

**Title:** Core loss analysis of amorphous motor considering the effect of cutting damage

**Authors:** Lu, Xusheng; Zhang, Leyiran; Meng, Pengpeng; Ma, Deji; Zeng, Lubin; Pei, Ruilin

**Source title:** AIP Advances

**38. Accession number:** 20251218059557

**Title:** Magnetic behavior of high permeability materials over wide temperature range

**Authors:** Li, Jun; Qin, Chuanlei; Ge, Jiahao; Hu, Xiaodong; Zeng, Lubin; Pei, Ruilin

**Source title:** AIP Advances

**39. Accession number:** 20251118031810

**Title:** Magnetic anisotropy investigation of grain-oriented electrical steels for a wide range of temperatures

**Authors:** Li, Zhiye; Li, Yuxiao; Qin, Yiwei; Hu, Xiaodong; Liu, Xiaoyu; Pei, Ruilin; Zeng, Lubin

**Source title:** AIP Advances

**40. Accession number:** 20251218063748

**Title:** Research on electromagnetic vibration and noise of transformer under short circuit conditions

**Authors:** Li, Zhongxiang; Sun, Wenxing; Li, Duanjiao; Chen, Dezhi; Cai, Linglong; Yang, Xian; Jiang, Shuo; Xin, Ziyuan; Chang, Xianghui; Gong, Sunjing

**Source title:** AIP Advances

**41. Accession number:** 20251218097066

**Title:** Toward Cyborg: Exploring Long-Term Clinical Outcomes of a Multi-Degree-of-Freedom Myoelectric Prosthetic Hand

**Authors:** Kuroda, Yuki; Yamanoi, Yusuke; Jiang, Hai; Yabuki, Yoshiko; Inoue, Yuki; Bai, Dianchun; Jiang, Yinlai; Zhu, Jinying; Yokoi, Hiroshi

**Source title:** Cyborg and Bionic Systems

**42. Accession number:** 20251018005779

**Title:** Adaptive full order dynamic sliding mode control of permanent magnet linear synchronous motor based on load force observer

**Authors:** Zhao, Ximei; Li, Dehao; Jin, Hongyan

- Source title:** Dianji yu Kongzhi Xuebao/Electric Machines and Control
- 43. Accession number:** 20251218079115  
**Title:** Cogging torque minimization of axial flux permanent magnet motor with various slot openings along radial direction  
**Authors:** Wang, Chao; Peng, Bing; Zhen, Dongfang  
**Source title:** Dianji yu Kongzhi Xuebao/Electric Machines and Control
- 44. Accession number:** 20251018005315  
**Title:** Diagnosis method of transformer winding mechanical state based on current-frequency-vibration parameter  
**Authors:** Cao, Chen; Wang, Jialin; Li, Xiaolong; Xu, Bowen  
**Source title:** Dianji yu Kongzhi Xuebao/Electric Machines and Control
- 45. Accession number:** 20251018008621  
**Title:** Control parameter design for a grid-following converter considering the influence of DC-side characteristics  
**Authors:** Yan, Zheng; Zhao, Qingsong; Xu, Jianyuan  
**Source title:** Dianli Xitong Baohu yu Kongzhi/Power System Protection and Control
- 46. Accession number:** 20251218096475  
**Title:** Seasonal Low-carbon and Economic Optimal Scheduling Method of Integrated Energy System Based on "Carbon-energy" Collaborative Response  
**Authors:** Ma, Guangchao; Yan, Ning; Wang, Mingqiang; Li, Xiangjun; Ma, Shaohua  
**Source title:** Dianwang Jishu/Power System Technology
- 47. Accession number:** 20250917949291  
**Title:** Research on Simulation Analysis and Joint Diagnosis Algorithm of Transformer Core-Loosening Faults Based on Vibration Characteristics  
**Authors:** Cao, Chen; Li, Zheng; Wang, Jialin; Zhang, Jiayu; Li, Ying; Wang, Qingli  
**Source title:** Energies
- 48. Accession number:** 20251218061268  
**Title:** Emergency mobile energy storage optimal allocation in microgrid-integrated distribution networks considering economic and resilience benefits  
**Authors:** Liu, Zhiyong; Zhang, Yuxian; Ning, Yi  
**Source title:** Energy
- 49. Accession number:** 20251118048157  
**Title:** Monitoring Method for GIS Electrical Contact State Based on VMD-Hilbert Marginal Spectrum Energy Entropy  
**Authors:** Cao, Chen; Wang, Jialin; Wang, Qingli; Li, Ying; Li, Zheng; Zhang, Jiayu  
**Source title:** IEEE Access
- 50. Accession number:** 20251218066814  
**Title:** Improve LADRC Strategy for variable air gap permanent magnetic levitation system  
**Authors:** Zhang, Hongkui; Zhang, Qinwei; Shen, Hang; Lan, Yipeng; Wen, Jiaqi; Zhao, Chuan  
**Source title:** IEEE Access
- 51. Accession number:** 20251118037817  
**Title:** Research on Performance Degradation Mechanism and Correction of Core Loss Model of Amorphous Alloys Based on Wire Cutting

- Authors:** Zhao, Zhixiao; Qiu, Shuheng; Chen, Jinhua; Cao, Derang; Pei, Ruilin; Sun, Huiqin; Zhang, Chi  
**Source title:** IEEE Transactions on Magnetics
- 52. Accession number:** 20250917977089  
**Title:** Quantification of Dynamic Flexibility Provided by District Heating Networks for Electric Power System  
**Authors:** Huang, Yujia; Sun, Qiuye; Ren, Yiping; Wang, Rui; Chen, Zhe  
**Source title:** IEEE Transactions on Reliability
- 53. Accession number:** 20251218072703  
**Title:** Analysis of Damping Characteristics in Wind Turbine-Energy Storage Hybrid Systems Based on Path Module  
**Authors:** Cheng, Shanshan; Wang, Haixin; Li, Jing; Lu, Shengyang; Lu, Xinyi; Yang, Junyou; Chen, Zhe  
**Source title:** IET Cyber-Physical Systems: Theory and Applications
- 54. Accession number:** 20251318107118  
**Title:** Research on Digital Analysis Method of Transformer Hot Spot Temperature Based on BP Neural Network Optimised by Genetic Algorithm  
**Authors:** Li, Dongxue; Liu, Yan; Lv, Zhonghua; Xia, Shuang; Jing, Quanyong; Ma, Qiang; Jing, Yongteng  
**Source title:** IET Electric Power Applications
- 55. Accession number:** 20250917979714  
**Title:** Thermal Analysis of Outer Rotor PMSM Based on Flat Heat Pipe Cooling Method  
**Authors:** Ding, Jialu; Xu, Zhenyao; Du, Hongfeng; Zhang, Fengge; Wang, Shuo; Bao, Yuli  
**Source title:** IET Electric Power Applications
- 56. Accession number:** 20251218076945  
**Title:** Study on Amplitude and Frequency Characteristics of Magnetic Flux in Three-Dimensional Wound Core Transformer  
**Authors:** Su, Z.H.; Luo, L.F.; Chen, D.Z.  
**Source title:** IET Power Electronics
- 57. Accession number:** 20250917969241  
**Title:** An injectable multimodal thiolated carboxymethyl cellulose hydrogel for advanced gastric cancer treatment  
**Authors:** Wu, Tao; Zhou, Jingqiu; He, Wanli; Jin, Lei; Li, Tenghui; Gong, Tianxing; Liu, Xu  
**Source title:** International Journal of Biological Macromolecules
- 58. Accession number:** 20250917956859  
**Title:** An Asymmetric Interior Permanent Magnet Configuration for Increasing Torque Density in Low-Speed Permanent Magnet Motors  
**Authors:** Yu, Tianhao; Li, Ming; Sun, Ning; Lun, Shuxian; Yang, Hanchen  
**Source title:** Journal of Electrical Engineering and Technology
- 59. Accession number:** 20251118020422  
**Title:** Large-capacity power electronic transformer with low device usage  
**Authors:** Hou, Bingbing; Li, Yan; Teng, Yun  
**Source title:** Journal of Power Electronics
- 60. Accession number:** 20251118032908

**Title:** Miniaturization and low energy consumption approach to magnetic particle imaging

**Authors:** Fan, Lin; Wang, Chengsong; Tian, Yushen; Lou, Doudou; Ma, Qianli; Gu, Ning

**Source title:** Nano Today

**61. Accession number:** 20250917977264

**Title:** Physicochemical properties of  $\text{CF}_3\text{OCF}=\text{CF}_2$  in high-voltage switchgear: part 1.

Decomposition characteristics and thermodynamic parameters

**Authors:** Cui, Zhaoxuan; Lin, Xin; Geng, Zhenxin; Xia, Yalong; Xu, Jianyuan

**Source title:** Physica Scripta

**62. Accession number:** 20251318107620

**Title:** Screening Method for Retired Battery Modules Based on Digital Twin Technology and SOF Dynamic Characteristics

**Authors:** Yan, Ning; Wu, Zhongli; Li, Xiangjun; Gao, Lei; Ma, Guangchao

**Source title:** Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering

#### (四) 信息科学与工程学院 (28 篇)

1. **Accession number:** 20250717864329  
**Title:** The influence of Zr, Hf, Ti and Sc on the lattice vibration, mechanical, tensile stress-strain, electronic and optical properties of Al<sub>4</sub>C<sub>3</sub> from first-principles calculations  
**Authors:** Zheng, Dongyu; Wang, Kun; Zhang, Xudong; Wang, Feng; Liu, Bin  
**Source title:** Chemical Physics Letters
2. **Accession number:** 20250117635530  
**Title:** Group vehicle trajectory prediction model based on multi-graph fusion  
**Authors:** Sang, Haifeng; Li, Siyu; Wang, Jinyu; Chen, Wangxing; Zhao, Zishan  
**Source title:** Computers and Electrical Engineering
3. **Accession number:** 20250317710040  
**Title:** Research on Zero-Force control and collision detection of deep learning methods in collaborative robots  
**Authors:** Zhao, Bin; Wu, Chengdong; Chang, Lianjun; Jiang, Yang; Sun, Ruohuai  
**Source title:** Displays
4. **Accession number:** 20250517778478  
**Title:** Editorial: Research on nanomaterials in tumor diagnosis and therapy  
**Authors:** Bai, Shi; Kang, Yue; Li, Shenglong; Ma, Song; Sasayama, Teruyoshi  
**Source title:** Frontiers in Bioengineering and Biotechnology
5. **Accession number:** 20250117629827  
**Title:** Improved Vernier Effect Scheme Based on a Single Interferometer With Unique Wavelength and Compact Structure  
**Authors:** Guan, Yunqing; Feng, Yingbin; Chen, Yuanyang; Ma, Lina; Xia, Feng; Fabian, Matthias; Wu, Dongsheng; Gao, Hongwei; Sun, Tong; Grattan, Kenneth T. V.  
**Source title:** IEEE Sensors Journal
6. **Accession number:** 20250417740335  
**Title:** DSTIGCN: Deformable Spatial-Temporal Interaction Graph Convolution Network for Pedestrian Trajectory Prediction  
**Authors:** Chen, Wangxing; Sang, Haifeng; Wang, Jinyu; Zhao, Zishan  
**Source title:** IEEE Transactions on Intelligent Transportation Systems
7. **Accession number:** 20250617828652  
**Title:** A2SHE: An anonymous authentication scheme for health emergencies in public venues  
**Authors:** Yue, Xiaohan; Yang, Peng; Si, Haoran; Yang, Haibo; Zhou, Fucui; Wang, Qiang; Yang, Zhuo; Bai, Shi; He, Yuan  
**Source title:** Information Sciences
8. **Accession number:** 20250517780321  
**Title:** AN IMPROVED ILLUMINATION ADAPTIVE ORB-SLAM3 ALGORITHM  
**Authors:** Liu, Zhenyu; Wang, Jing; Zhang, Fuli  
**Source title:** International Journal of Robotics and Automation
9. **Accession number:** 20250817914872  
**Title:** Growth of funnel-shaped GaN nanowire by switching the growth mode between VLS/VS  
**Authors:** Zhang, Y.; Zong, Y.; Huang, J.; Liu, W.L.

- Source title:** Journal of Optoelectronics and Advanced Materials
- 10. Accession number:** 20250217655603  
**Title:** Mechanistic analysis of electromagnetic ultrasonic transverse wave detection of steel plates in high-temperature multi-physical environments  
**Authors:** Zhang, Jia; Pang, Haibo; Xing, Yanhao  
**Source title:** Measurement: Journal of the International Measurement Confederation
- 11. Accession number:** 20250817908757  
**Title:** High-speed active vision pose perception and tracking method based on Pan-Tilt mirrors for 6-DOF dynamic projection mapping  
**Authors:** Huang, Shuangjiang; Song, Fengnian; Wang, Lihui; Huang, Yutao; He, Yuan; Bai, Shi; Chen, Tao; Ishikawa, Masatoshi  
**Source title:** Optics and Lasers in Engineering
- 12. Accession number:** 20250717877248  
**Title:** Characterization of Oil and Gas Pipeline Detection Signals with Adjustable Weak Magnetic Excitation  
**Authors:** He, Luyao; Han, Licheng; Liu, Mingzheng; Zheng, Yurong; Liu, Bin; Wang, Zhujun  
**Source title:** Sensing and Imaging
- 13. Accession number:** 20250217668780  
**Title:** An Innovative Linear Wireless Sensor Network Reliability Evaluation Algorithm  
**Authors:** Ma, Tao; Guo, Huidong; Li, Xin  
**Source title:** Sensors
- 14. Accession number:** 20250817915430  
**Title:** Enhancing video pedestrian detection with tracking-information-aided framework and multi-scale feature optimization  
**Authors:** Sang, Haifeng; Suo, Pengkai  
**Source title:** Signal, Image and Video Processing
- 15. Accession number:** 20250717878668  
**Title:** Reliability evaluation of bidirectional linear wireless sensor networks: a comparative analysis  
**Authors:** Ren, Aiyang; Yang, Haibo; Jia, Zhengfeng; Li, Zhao  
**Source title:** Wireless Networks
- 16. Accession number:** 20250317694007  
**Title:** Study on the electromagnetic method for measuring pipe yield strength  
**Authors:** Jin, Xinjiu; Geng, Hao; Yang, Lijian  
**Source title:** Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument
- 17. Accession number:** 20251218072044  
**Title:** MSF-SegFormer: a feature fusion algorithm for magnetic leakage image segmentation  
**Authors:** Wang, Zhujun; Ni, Rongtai; Sun, Tianhe; Jiang, Yulong; Liu, Bin  
**Source title:** Applied Intelligence
- 18. Accession number:** 20251218070905  
**Title:** Dynamic magnetic characteristics and magnetocaloric effect of a diluted Graphene-like monolayer  
**Authors:** Zou, Sheng; Wang, Wei; Huang, Si-Yu; Lv, Dan; Li, Yu-Han; Liu, Gong-Zhao

- Source title:** Applied Physics A: Materials Science and Processing
- 19. Accession number:** 20251017981532  
**Title:** An in Situ Seawater Salinity Sensor with Temperature Self-Compensation Based on Hollow-Core Fiber  
**Authors:** Zhao, Jian; Deng, Si-Min; Zhang, Ya-Nan; Xia, Feng; Zhao, Yong; Zhang, Hua-Guang  
**Source title:** IEEE Transactions on Instrumentation and Measurement
- 20. Accession number:** 20251017990029  
**Title:** Aero-engine blade detection and tracking using networked borescopes  
**Authors:** Liu, Shuai; Liang, Wei; Zhang, Yinlong; Wang, Yanfei; Liu, Yuanhao  
**Source title:** International Journal of Sensor Networks
- 21. Accession number:** 20251017990047  
**Title:** Research on grating nano-measurement algorithm based on TCN  
**Authors:** Chang, Li; Li, Zhipeng; Zhou, Bo; Xiu, Guoyi; Guo, Yumei  
**Source title:** Measurement Science and Technology
- 22. Accession number:** 20251017994447  
**Title:** Improved singular spectrum decomposition method for resonance recognition of air-coupled ultrasonic signals in through-transmission steel plate detection  
**Authors:** Li, Rongxue; Yang, Lijian; Zhang, Jia; Lian, Zheng  
**Source title:** Measurement Science and Technology
- 23. Accession number:** 20250917960963  
**Title:** Research on the electromagnetic ultrasonic detection method of initiation crack based on multi-acoustic coefficients fusion  
**Authors:** Xing, Yanhao; Zhang, Xiaohui; Zhang, Jia; Jin, Haiyu; Lin, Hongwei  
**Source title:** Measurement Science and Technology
- 24. Accession number:** 20251318110469  
**Title:** Research on magnetic flux leakage signal characteristics of hard spot  
**Authors:** Jin, Xinjiu; Yang, Lijian; Geng, Hao; Shao, Weilin  
**Source title:** Measurement: Journal of the International Measurement Confederation
- 25. Accession number:** 20251218074653  
**Title:** Fano resonance in a whispering gallery mode microsphere resonator coupled with femtosecond laser-drilled tapered fiber  
**Authors:** Li, Zhong-jia; Cai, Lu; Liu, Yu-xiao; Jing, Hao; Sun, Hui-yu; Xia, Feng; Zhao, Yong  
**Source title:** Optics and Laser Technology
- 26. Accession number:** 20251218075532  
**Title:** MSKA: Multi-stream keypoint attention network for sign language recognition and translation  
**Authors:** Guan, Mo; Wang, Yan; Ma, Guangkun; Liu, Jiarui; Sun, Mingzu  
**Source title:** Pattern Recognition
- 27. Accession number:** 20251118058557  
**Title:** Important people detection based on multi-level key actor interaction graph  
**Authors:** Sang, Haifeng; Guo, Yanming  
**Source title:** Signal, Image and Video Processing

**28. Accession number:** 20251018020060

**Title:** Research on crack identification algorithm of anti-corrosion layer of air coupling ultrasonic pipeline

**Authors:** Lyu, Ruihong; Xie, Hailong; Wang, Chenli; Liu, Jianhua; Huang, Ping

**Source title:** Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument

#### (五) 管理学院 (4 篇)

**1. Accession number:** 20250417747792

**Title:** Multi-agent behavioral evolutionary game analysis of digital twin technology adoption in manufacturing enterprises

**Authors:** Xiao, Meng; Zhang, Jianing

**Source title:** International Journal of Computer Integrated Manufacturing

**2. Accession number:** 20250717878833

**Title:** Evaluation of operational efficiency of technology transfer ecosystems from the perspective of supply and demand matching: an empirical study in China

**Authors:** Xiao, Tong; Wang, Haijun; Chen, Jin

**Source title:** Journal of Technology Transfer

**3. Accession number:** 20250917950508

**Title:** Design of P2P coordinative transaction mechanism considering low-carbon preference of multiple prosumers in regional electricity market

**Authors:** Guan, Yue; Hou, Qiang; Wang, Shiquan

**Source title:** Sustainable Energy, Grids and Networks

**4. Accession number:** 20250917949530

**Title:** Ecosystem evaluation method based on adaptive reciprocity

**Authors:** Hou, Fang

**Source title:** Xitong Gongcheng Lilun yu Shijian/System Engineering Theory and Practice

(六) 理学院 (25 篇)

1. **Accession number:** 20250717867052  
**Title:** Exploration of dynamic magnetic characteristics and magnetocaloric effects of the metal-coordinated polymer [Dy<sub>2</sub>Cu<sub>2</sub>]<sub>n</sub>  
**Authors:** Lv, Dan; Li, Hui-Yi; Li, Bo-Chen; Liu, Gong-Zhao  
**Source title:** Applied Physics A: Materials Science and Processing
2. **Accession number:** 20250717867499  
**Title:** Insight into the magnetic properties and magnetocaloric effect of a MBene-like monolayer  
**Authors:** Huang, Si-Yu; Xiao, Bo-Wen; Liang, Ji; Zou, Sheng; Xu, Zi-Yi; Wang, Wei  
**Source title:** Applied Physics A: Materials Science and Processing
3. **Accession number:** 20250717865676  
**Title:** First-principles investigations on the elastic properties, thermodynamic properties, electronic structures and anisotropy sound velocity of AlTi<sub>3</sub>N, AlTi<sub>2</sub>N, AlTi<sub>4</sub>N<sub>3</sub> and Al<sub>2</sub>Ti<sub>3</sub>N<sub>2</sub> ternary nitrides  
**Authors:** Wang, Kun; Zhang, Xudong; Wang, Feng  
**Source title:** Chemical Physics Letters
4. **Accession number:** 20250717864329  
**Title:** The influence of Zr, Hf, Ti and Sc on the lattice vibration, mechanical, tensile stress-strain, electronic and optical properties of Al<sub>4</sub>C<sub>3</sub> from first-principles calculations  
**Authors:** Zheng, Dongyu; Wang, Kun; Zhang, Xudong; Wang, Feng; Liu, Bin  
**Source title:** Chemical Physics Letters
5. **Accession number:** 20250217671996  
**Title:** Green synthesis and tunable microwave absorption properties of core-shell structure SiC@Ni/C(N) nanocomposites  
**Authors:** Yu, Di; Shi, Gui-Mei; Bao, Xiu-Kun; Shi, Fa-Nian  
**Source title:** Colloids and Surfaces A: Physicochemical and Engineering Aspects
6. **Accession number:** 20250617807911  
**Title:** The Fe-N system: crystal structure prediction, phase stability, and mechanical properties  
**Authors:** Bao, Ergen; Zhao, Jinbin; Gao, Qiang; Shahid, Ijaz; Ma, Hui; Luo, Yixiu; Liu, Peitao; Sun, Yan; Chen, Xing-Qiu  
**Source title:** Computational Materials Science
7. **Accession number:** 20250617818170  
**Title:** Enhancing the compatibility and performance of poly (lactic acid) and thermoplastic polyolefin elastomer blends through a dual compatibilization strategy  
**Authors:** Li, Yongchao; Qiu, Ying; Wei, Lan; Song, Yu; Guo, Wanyuan; Yu, Lingxiao; Gao, Guangxu; Gao, Jialu; Huang, Jiangting; Wang, Yuanxia; Shi, Ying; LIU, Li-Zhi; Zhang, Qi; Song, Lixin  
**Source title:** International Journal of Biological Macromolecules
8. **Accession number:** 20250817916715  
**Title:** The structural, magnetic and magnetocaloric properties of Mn<sub>5-x</sub>Cr<sub>x</sub>Ge<sub>3</sub> alloys

**Authors:** Sang, Yongzhuo; Bao, Lifu; Zhang, Hao; Ding, Yunzhe; Gao, Jilong; Zhao, Danan; Zhang, Hongwei; Bai, Yuting; Li, Zhijie

**Source title:** Journal of Alloys and Compounds

**9. Accession number:** 20250217646783

**Title:** Rational Preparation of Lewis basic carbon nitride for Target-Specific photocatalytic removal of cationic organic and metal pollutants

**Authors:** Zhao, Yuren; Sun, Yingxiang; Ming, Weixing; Ma, Yan; Xu, Ge

**Source title:** Journal of Photochemistry and Photobiology A: Chemistry

**10. Accession number:** 20250717883918

**Title:** Dynamic magnetic characteristics and hysteresis behaviors of X540@Y540: A Monte Carlo study

**Authors:** Li, Bo-chen; Wang, Wei; Lv, Dan

**Source title:** Physica A: Statistical Mechanics and its Applications

**11. Accession number:** 20250817917405

**Title:** Dynamic magnetic properties of the mixed-spin (5/2, 2) Ising model with an MBene-like structure

**Authors:** Xiao, Bo-wen; Huang, Si-yu; An, Ying; Wang, Wei

**Source title:** Physica A: Statistical Mechanics and its Applications

**12. Accession number:** 20250217654646

**Title:** Impact of TM elements (TM=Cr, Mn, Ti, Sc) doped on the electronic and mechanical properties of ZrAlNi intermetallics

**Authors:** Wang, Kun; Zhang, Xudong; Wang, Feng

**Source title:** Physics Letters, Section A: General, Atomic and Solid State Physics

**13. Accession number:** 20251218059341

**Title:** Research on Grinding Removal Mechanism of SiCf/SiC Composite Materials Based on Random Multi-Abrasive Particles

**Authors:** Liu, Pengyu; Liu, Pengfei

**Source title:** Applied Composite Materials

**14. Accession number:** 20251218070905

**Title:** Dynamic magnetic characteristics and magnetocaloric effect of a diluted Graphene-like monolayer

**Authors:** Zou, Sheng; Wang, Wei; Huang, Si-Yu; Lv, Dan; Li, Yu-Han; Liu, Gong-Zhao

**Source title:** Applied Physics A: Materials Science and Processing

**15. Accession number:** 20251218069610

**Title:** Compensation temperatures and hysteresis loops in a kekulene with alternate multilayer

**Authors:** Zhang, Xiao-Han; Liang, Ji; Wang, Wei; Li, Bo-Chen

**Source title:** Applied Physics A: Materials Science and Processing

**16. Accession number:** 20251017985019

**Title:** Preparation and Microwave Absorption Properties of NiCo@C(N)/NC Nanocomposites

**Authors:** Bao, Xiukun; Shi, Guimei

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

**17. Accession number:** 20251018020242

**Title:** Leader-Following Consensus of Switched Multi-Agent Systems Under Distributed Integral-Based Event-Triggered Scheme and Persistent Dwell Time

**Authors:** Dong, Xiaoxiao; Song, Jia

**Source title:** International Journal of Robust and Nonlinear Control

**18. Accession number:** 20251017988861

**Title:** Multicomponent NiFe@C nanoparticles modified accordion-like Ti<sub>3</sub>C<sub>2</sub>TX MXene for efficient and tunable microwave absorption

**Authors:** Qu, Xinghao; Li, Boyu; Wang, Yilong; Li, Xiyang; Duan, Yuping; Zhang, Xuefeng; Shi, Guimei; Zhou, Yuanliang; Dong, Xinglong

**Source title:** Journal of Alloys and Compounds

**19. Accession number:** 20251018017969

**Title:** Preparation and evaluation of a stable SmBa<sub>0.75</sub>Sr<sub>0.25</sub>Fe<sub>2</sub>O<sub>5+δ</sub> cathode material for solid oxide fuel cells

**Authors:** Li, Yunfei; Song, Ru; Li, Aoye; Qiu, Dongchao; Niu, Bingbing; Wang, Biao

**Source title:** Journal of Applied Electrochemistry

**20. Accession number:** 20251018017969

**Title:** Preparation and evaluation of a stable SmBa<sub>0.75</sub>Sr<sub>0.25</sub>Fe<sub>2</sub>O<sub>5+δ</sub> cathode material for solid oxide fuel cells

**Authors:** Li, Yunfei; Song, Ru; Li, Aoye; Qiu, Dongchao; Niu, Bingbing; Wang, Biao

**Source title:** Journal of Applied Electrochemistry

**21. Accession number:** 20250917936327

**Title:** A first-principles study on antiferromagnetic VYNF<sub>2</sub> with flat robust bands, valley splitting, and an out-of-plane piezoelectric response

**Authors:** Gao, Qiang; Lin, Tingting; Wang, Wei; Shi, Guimei; Jin, Xin; Shen, Chen

**Source title:** Journal of Materials Chemistry C

**22. Accession number:** 20251017999123

**Title:** Research on the SEGDC-UNet electron microscope image segmentation algorithm based on channel attention mechanism

**Authors:** Li, Yue; Zhao, Qian; Sun, Haijing; Shao, Yichuan; Wang, Yong

**Source title:** Journal of Microscopy

**23. Accession number:** 20250917947193

**Title:** Exploring the structural, electronic, elastic and thermodynamic properties of TM<sub>5</sub>Sn<sub>2</sub>Si (TM=Nb, Cr, W, Mo, Ti, Re) based on first-principles calculations

**Authors:** Zhu, Na; Zhang, Xudong; Wang, Feng; Guo, Yongxin

**Source title:** Journal of Physics and Chemistry of Solids

**24. Accession number:** 20251318113740

**Title:** First-principles calculations of the mechanical, electronic, and thermal properties of Cr<sub>3</sub>XN (X = Ga, Pd, Pt, Sn, As, Ge) type materials with anti-perovskite structure

**Authors:** Wu, Hao; Ma, He; Zhang, Xudong; Chen, Lijia; Gao, Qiang; Chen, Shiyi

**Source title:** Physica Scripta

**25. Accession number:** 20251017994740

**Title:** Numerical solution of generalized time-fractional wave equation based on lattice Boltzmann method

**Authors:** Wu, Fangfang; Tong, Jia; Qu, Shaobo; Wang, Yingying

**Source title:** Physica Scripta

(七) 建筑与土木工程学院 (22 篇)

1. **Accession number:** 20250217652520  
**Title:** 3D Printed Concrete for Sustainable Construction: A Review of Mechanical Properties and Environmental Impact  
**Authors:** Hassan, Amer; Alomayri, Thamer; Noaman, Mohammed Faisal; Zhang, Chunwei  
**Source title:** Archives of Computational Methods in Engineering
2. **Accession number:** 20250817916841  
**Title:** A novel fuzzy reinforcement learning approach for personalization deep brain stimulation with communication delay  
**Authors:** Su, Long; Alattas, Khalid A.; Ayadi, Walid; Lynton, Zorana; Ghaderpour, Ebrahim; Mohammadzadeh, Ardashir; Zhang, Chunwei  
**Source title:** Biomedical Signal Processing and Control
3. **Accession number:** 20250617807857  
**Title:** Effect of strain and external electric field on the optoelectronic properties of HfS<sub>2</sub>/ZrSe<sub>2</sub> heterostructures  
**Authors:** Sun, Shihang; Yang, Lu; Zhao, Yanshen; Liu, Huaidong; Wei, Xingbin  
**Source title:** Computational Materials Science
4. **Accession number:** 20250517792464  
**Title:** Comprehensive evaluation of low-carbon cementitious materials prepared with industrial by-product calcium carbide residue (CCR) as alkali source  
**Authors:** Ge, Xiaowei; Gu, Xiaowei; Song, Ge; Liu, Jianping; Wang, Shenyue; Hu, Ziyang; Wang, Xu; Hu, Zhihang; Wang, Hao  
**Source title:** Environmental Research
5. **Accession number:** 20250217669303  
**Title:** Behaviorally-Aware Multi-Agent RL with Dynamic Optimization for Autonomous Driving  
**Authors:** Taghavifar, Hamid; Hu, Chuan; Wei, Chongfeng; Mohammadzadeh, Ardashir; Zhang, Chunwei  
**Source title:** IEEE Transactions on Automation Science and Engineering
6. **Accession number:** 20250817907383  
**Title:** Type-3 fuzzy Data-driven Control of Heterogeneous Multi-agent Systems  
**Authors:** Liang, Yaqing; Tian, Man-Wen; Changdong, Du; Alattas, Khalid A.; Fekih, Afef; Mohammadzadeh, Ardashir  
**Source title:** IEEE Access
7. **Accession number:** 20250517780813  
**Title:** Observer-based type-3 fuzzy control for gyroscopes: Experimental/theoretical study  
**Authors:** Zhang, Chunwei; Du, Changdong; Sakthivel, Rathinasamy; Mohammadzadeh, Ardashir  
**Source title:** Information Sciences
8. **Accession number:** 20250217650499  
**Title:** An Applied Type-3 Fuzzy Controller for Gyroscopes  
**Authors:** Li, Shijie; Mohammadzadeh, Ardashir; Zhang, Chunwei  
**Source title:** International Journal of Fuzzy Systems

9. **Accession number:** 20250217664940  
**Title:** Effect of Steel Slag Powder on the Hydration Characteristics of Lime – Sodium Sulfate Composite-Activated Cementitious System  
**Authors:** Gu, Xiaowei; Wang, Ying; Wang, Qing; Liu, Jianping; Xu, Xiaochuan  
**Source title:** JOM
10. **Accession number:** 20250417747799  
**Title:** Parametric modeling and optimal design of wind turbine blade structure  
**Authors:** Yuan, Shuang; Ning, Wen-bo; Li, Zhi-guo; Bao, Hong-bing; Li, Hui  
**Source title:** Mechanics of Advanced Materials and Structures
11. **Accession number:** 20250317695867  
**Title:** Machine learning methods for compression capacity prediction and sensitivity analysis of concrete-filled steel tubular columns: State-of-the-art review  
**Authors:** Zhang, Bohan; Yu, Yang; Yi, Shanchang; Ding, Zhenghao; Yousefi, Amir M.; Li, Jiehong; Lyu, Xuetao  
**Source title:** Structures
12. **Accession number:** 20250317707830  
**Title:** Effect of tensile strain on photoelectric properties of C-doped SnSe<sub>2</sub> system  
**Authors:** Lou, Miaomiao; Liu, Guili; Xu, Meng; Liu, Yuan; Zhang, Guoying  
**Source title:** Surface Science
13. **Accession number:** 20250917959242  
**Title:** Dynamic and static behaviour of geopolymer concrete for sustainable infrastructure development: Prospects, challenges, and performance review  
**Authors:** Hassan, Amer; Zhang, Chunwei  
**Source title:** Composite Structures
14. **Accession number:** 20251017989042  
**Title:** A novel solid waste activator for coal gasification slag-based geopolymers: Sodium-based desulfurization ash and carbide slag  
**Authors:** Hu, Zhihang; Gu, Xiaowei; Li, Zhijun; Hu, Ziyang; Ge, Xiaowei; Liu, Jianping; Wang, Qing  
**Source title:** Construction and Building Materials
15. **Accession number:** 20251218061700  
**Title:** Re-utilization of Ca-based and Na-based desulfurization by-product as alternative sulfate activator in supersulfated cement system: Mineral transformation and reaction mechanism  
**Authors:** Wang, Shenyu; Gu, Xiaowei; Ge, Xiaowei; Wang, Xu; Hu, Ziyang; Liu, Jianping; Zhu, Zhenguo; Wang, Hongyu; Xu, Xiaochuan; Nehdi, Moncef L.  
**Source title:** Construction and Building Materials
16. **Accession number:** 20250917957438  
**Title:** Mechanism Study of Chlorine Saline Soil Synergistically Solidified by Cement and Alkali- Activated Materials  
**Authors:** Su, Wenxuan; Ning, Baokuan; Liu, Jianping; Liu, Guoyang; Zhong, Mingyang  
**Source title:** Jianzhu Cailiao Xuebao/Journal of Building Materials
17. **Accession number:** 20251218099522  
**Title:** A type-3 fuzzy vibration controller based on active rotary inertia driver systems

**Authors:** Zhang, Chunwei; Du, Changdong; Sakthivel, Rathinasamy; Mohammadzadeh, Ardashir

**Source title:** Journal of Sound and Vibration

**18. Accession number:** 20251118056070

**Title:** Reshaping photovoltaic efficiency: Characteristic regulation and future application exploration of GaS/MoTe<sub>2</sub> van der Waals heterostructure

**Authors:** Yang, Xiaotong; Liu, Guili; Dai, Ying; Ma, Mengting; Zhang, Guoying

**Source title:** Materials Today Communications

**19. Accession number:** 20251218098705

**Title:** Intelligent prediction of compressive strength of self-compacting concrete incorporating silica fume using hybrid IWOA-GPR model

**Authors:** Yu, Yang; Wang, Guangyin; Huseien, Ghasan Fa; Zou, Zhen; Ding, Zhenghao; Zhang, Chunwei

**Source title:** Materials Today Communications

**20. Accession number:** 20251017990047

**Title:** Research on grating nano-measurement algorithm based on TCN

**Authors:** Chang, Li; Li, Zhipeng; Zhou, Bo; Xiu, Guoyi; Guo, Yumei

**Source title:** Measurement Science and Technology

**21. Accession number:** 20250917978861

**Title:** Extremely low phonon thermal conductivity of CdHgPb originating from quasi-rattling atoms

**Authors:** Yang, Zhonghua; Zhang, Mengyuan; Xu, Xinyi; Lan, Xinying; Wang, Junxiang; Liu, Chan; Tan, Lin

**Source title:** Physica Scripta

**22. Accession number:** 20251218066128

**Title:** Effects of Biaxial Strain on the Optical and Electronic Properties of Monolayer PtS<sub>2</sub> with Sulfur Defects: A First-Principles Study

**Authors:** Yang, Hang; Yang, Lu; Bao, Jinlin

**Source title:** Physica Status Solidi (B): Basic Research

(八) 软件学院 (6 篇)

1. **Accession number:** 20250717876670  
**Title:** MECF-Net: A prostate cancer lymph node metastasis classification method based on 18F-PSMA-1007 and 18F-FDG dual-tracer PET/CT image feature optimization  
**Authors:** Hao, Junchen; Cui, Yan; Jiang, Huiyan; Tong, Guoyu; Li, Xuena  
**Source title:** Biomedical Signal Processing and Control
2. **Accession number:** 20250217670140  
**Title:** Inspection of cracking in stamping parts surfaces using anomaly detection  
**Authors:** Dong, Xingjun; Zhang, Changsheng; Wang, Dawei; Guo, Qi; Deng, Xinrui; Li, Chenyu  
**Source title:** Engineering Applications of Artificial Intelligence
3. **Accession number:** 20250417756516  
**Title:** A new cross-domain bearing fault diagnosis method with few samples under different working conditions  
**Authors:** Dong, Xingjun; Zhang, Changsheng; Liu, Hanrui; Wang, Dawei; Chen, Yao; Wang, Tong  
**Source title:** Journal of Manufacturing Processes
4. **Accession number:** 20251118034474  
**Title:** MSCM-Net: Rail Surface Defect Detection Based on a Multi-Scale Cross-Modal Network  
**Authors:** Wen, Xin; Zheng, Xiao; He, Yu  
**Source title:** Computers, Materials and Continua
5. **Accession number:** 20251017992010  
**Title:** A survey of decision-making and planning methods for self-driving vehicles  
**Authors:** Hu, Jun; Wang, Yuefeng; Cheng, Shuai; Xu, Jinghan; Wang, Ningjia; Fu, Bingjie; Ning, Zuotao; Li, Jingyao; Chen, Hualin; Feng, Chaolu; Zhang, Yin  
**Source title:** Frontiers in Neurorobotics
6. **Accession number:** 20251218075532  
**Title:** MSKA: Multi-stream keypoint attention network for sign language recognition and translation  
**Authors:** Guan, Mo; Wang, Yan; Ma, Guangkun; Liu, Jiarui; Sun, Mingzu  
**Source title:** Pattern Recognition

(九) 人工智能学院 (9 篇)

1. **Accession number:** 20250817899186  
**Title:** Adaptive Cooperative Fault-Tolerant Control for Output-Constrained Nonlinear Multi-Agent Systems Under Stochastic FDI Attacks  
**Authors:** Liu, Guangliang; Sun, Qiuye; Su, Hanguang; Wang, Mengxin  
**Source title:** IEEE Transactions on Circuits and Systems I: Regular Papers
2. **Accession number:** 20250117632254  
**Title:** Noisy Face Super-Resolution Method Based on Three-Level Information Representation Constraints  
**Authors:** Qi, Qi; Teng, Zi; Huo, Hongmei; Xu, Ming; Bai, Bing  
**Source title:** IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences
3. **Accession number:** 20250517780813  
**Title:** Observer-based type-3 fuzzy control for gyroscopes: Experimental/theoretical study  
**Authors:** Zhang, Chunwei; Du, Changdong; Sakthivel, Rathinasamy; Mohammadzadeh, Ardashir  
**Source title:** Information Sciences
4. **Accession number:** 20250817894284  
**Title:** Online fault detection for transmission lines based on data-driven neural network using synchronized measurement  
**Authors:** Zhang, Tong; Wang, Nan  
**Source title:** Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A
5. **Accession number:** 20250617828363  
**Title:** Sinking into water without seeing water: Semi-supervised underwater image enhancement based on simulated image re-degradation process  
**Authors:** Lin, Sen; Zhang, Ruihang; Li, Yupeng  
**Source title:** Optics and Laser Technology
6. **Accession number:** 20251018009927  
**Title:** Soft-sensing model of calcination zone temperature of rotary kiln based on principal component analysis and leaky integrator echo state network  
**Authors:** Tian, Zhongda; Yu, Xiyan; Tang, Fei  
**Source title:** Chemical Engineering Science
7. **Accession number:** 20250917938535  
**Title:** GRANA: Graph convolutional network based network representation learning method for attributed network alignment  
**Authors:** Li, Yao; Cai, He; Liu, Huilin  
**Source title:** Information Sciences
8. **Accession number:** 20250917968959  
**Title:** Facile synthesis of C/Bi/  $\alpha$ -Bi<sub>2</sub>O<sub>3</sub>/  $\beta$ -Bi<sub>2</sub>O<sub>3</sub> heterojunction catalyst for efficient degradation of rhodamine B  
**Authors:** Wang, Nan; Yi, Ming; Dai, Muyan; Wang, Haiyang; Zhang, Ning; Zhang, Tong; Zhang, Jun; Zhang, Bowen

**Source title:** Journal of Alloys and Compounds

9. **Accession number:** 20251218066486

**Title:** Enhanced RGB-T saliency detection via thermal-guided multi-stage attention network

**Authors:** Pang, Yu;Huang, Yang; Weng, Chenyu; Lyu, Jialin; Bai, Chuanyue; Yu, Xiaosheng

**Source title:** Visual Computer

(十) 环境与化学工程学院 (29 篇)

1. **Accession number:** 20250417733586  
**Title:** Biomimetic Janus Particles Induced In Situ Interfacial Remineralization for Dentin Hypersensitivity  
**Authors:** Han, Bing; Song, Yilin; Wang, Shi; Yang, Tiantian; Sun, Zetao; Wang, Aijing; Jin, Moran; Yang, Zhenzhong; Wang, Xiaoyan; Liang, Fuxin  
**Source title:** Advanced Functional Materials
2. **Accession number:** 20250717867052  
**Title:** Exploration of dynamic magnetic characteristics and magnetocaloric effects of the metal-coordinated polymer [Dy<sub>2</sub>Cu<sub>2</sub>]<sub>n</sub>  
**Authors:** Lv, Dan; Li, Hui-Yi; Li, Bo-Chen; Liu, Gong-Zhao  
**Source title:** Applied Physics A: Materials Science and Processing
3. **Accession number:** 20250417757431  
**Title:** Enhancing humification in high-temperature composting: Insights from endogenous and exogenous heating strategies  
**Authors:** Zhao, Chaoyue; Ma, Feng; Wang, Youzhao; Li, Xu; Zhang, Yanping; Wang, Zhipeng; Xiong, Wei; Gao, Xiaolong; Ma, Yongguang; Yang, Fuxin; Zhu, Tong  
**Source title:** Bioresource Technology
4. **Accession number:** 20250817917109  
**Title:** Enhancement of high-temperature solar-blind UV photodetector performance on 4H - SiC substrates by deposition of ultrawide bandgap diamond films  
**Authors:** Huang, Ming; Yang, Bing; Xu, Ge; Lu, Jiaqi; Guo, Yubin; Weng, Lingyue; Sun, Dongming  
**Source title:** Carbon
5. **Accession number:** 20250217671996  
**Title:** Green synthesis and tunable microwave absorption properties of core-shell structure SiC@Ni/C(N) nanocomposites  
**Authors:** Yu, Di; Shi, Gui-Mei; Bao, Xiu-Kun; Shi, Fa-Nian  
**Source title:** Colloids and Surfaces A: Physicochemical and Engineering Aspects
6. **Accession number:** 20250217662776  
**Title:** Sulfolane Plasticized PVDF-HFP/PEO High-Voltage Gel Polymer Electrolyte  
**Authors:** Jiang, Xin; Hu, Xue-Tong; Fan, Yi-Wei; Chen, Ting-Ting; Lu, Kun-Rong; Wang, Peng-Fei; Wu, Yu-Han; Shi, Fa-Nian; Zhang, Yu-Hang  
**Source title:** Energy and Fuels
7. **Accession number:** 20250217676616  
**Title:** Ultrahigh energy storage density in lead-free Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>-based relaxor ferroelectric ceramics under moderate electric fields via phase fraction manipulation  
**Authors:** Fan, Jiangtao; Wang, Linxiang; Wang, Jiaying; Cheng, Zheng; Zhong, Langxiang; Yang, Tiantian; Hu, Zhanggui  
**Source title:** Inorganic Chemistry Frontiers
8. **Accession number:** 20250717858804  
**Title:** Catalytic effect of Si<sub>2</sub>BN monolayer on the dehydrogenation of MgH<sub>2</sub>: First-principles study

- Authors:** Han, Hecheng; Jiang, Wei; Si, Nan; Zheng, Huiling  
**Source title:** International Journal of Hydrogen Energy
9. **Accession number:** 20250717849379  
**Title:** Preparation of Na<sub>2</sub>FeO<sub>4</sub> from Red Mud Sodium Roasting and Alkali Leaching Residue with the Aid of Ultrasound  
**Authors:** Guan, Shuyue; Tang, Junjie; Sun, Yuan; Yang, Yanhong; Li, Laishi; Wu, Yusheng; Shi, Fanian  
**Source title:** JOM
10. **Accession number:** 20250717869184  
**Title:** Correction to: Phase Change Mechanism of Spent LiFePO<sub>4</sub> Cathode Material in Regeneration Process (JOM, (2024), 10.1007/s11837-024-07082-4)  
**Authors:** He, Jiayi; Tang, Junjie; Sun, Yuan; Zhou, Yizhou; Wang, Pengfei; Shi, Fanian  
**Source title:** JOM
11. **Accession number:** 20250217648321  
**Title:** Phase Change Mechanism of Spent LiFePO<sub>4</sub> Cathode Material in Regeneration Process  
**Authors:** He, Jiayi; Tang, Junjie; Sun, Yuan; Zhou, Yizhou; Wang, Pengfei; Shi, Fanian  
**Source title:** JOM
12. **Accession number:** 20250517789183  
**Title:** Effect of Phosphorus-Containing Silane Coupling Agents Modified Ammonium Polyphosphate on the Flame Retardancy and Mechanical Properties of Epoxy Resin  
**Authors:** Wang, Song; Ma, Rumeng  
**Source title:** Journal of Applied Polymer Science
13. **Accession number:** 20250717855313  
**Title:** Assembly of high-performance zinc-ion hybrid capacitor using soy residue-derived porous carbon as cathode and HCl treated zinc foil as anode  
**Authors:** Wang, Song; Xue, Jia; Chen, Xuecheng  
**Source title:** Journal of Energy Storage
14. **Accession number:** 20250117634652  
**Title:** A scaffold structure assisted Cu particles for stable aqueous zinc metal anode interface  
**Authors:** Yang, Chenyi; Li, Zhuo; Gong, Zhe; Ma, Yuanyuan; Wang, Pengfei; Zhu, Kai; Zhou, Mingdong  
**Source title:** Journal of Energy Storage
15. **Accession number:** 20250517798126  
**Title:** Red mud-derived layered metal oxides for large-scale electrochemical sodium storage  
**Authors:** Hu, Jinduo; Li, Laishi; Wu, Yusheng; Wu, Yuhang; Wang, Yuzheng; Liu, Feng; Ye, Mingyuan; Mao, Weiren  
**Source title:** Journal of Environmental Chemical Engineering
16. **Accession number:** 20250617832576  
**Title:** Regulating the electronic structure of iron sites in single-atom catalyst with interfacial chemical bond to enhance Fenton-like reaction  
**Authors:** Shi, Hongyu; Zhang, Hang; Wang, Tianyu; Chen, Shuo  
**Source title:** Journal of Hazardous Materials
17. **Accession number:** 20250217646783

**Title:** Rational Preparation of Lewis basic carbon nitride for Target-Specific photocatalytic removal of cationic organic and metal pollutants

**Authors:** Zhao, Yuren; Sun, Yingxiang; Ming, Weixing; Ma, Yan; Xu, Ge

**Source title:** Journal of Photochemistry and Photobiology A: Chemistry

**18. Accession number:** 20250717883918

**Title:** Dynamic magnetic characteristics and hysteresis behaviors of X540@Y540: A Monte Carlo study

**Authors:** Li, Bo-chen; Wang, Wei; Lv, Dan

**Source title:** Physica A: Statistical Mechanics and its Applications

**19. Accession number:** 20250817917405

**Title:** Dynamic magnetic properties of the mixed-spin (5/2, 2) Ising model with an MBene-like structure

**Authors:** Xiao, Bo-wen; Huang, Si-yu; An, Ying; Wang, Wei

**Source title:** Physica A: Statistical Mechanics and its Applications

**20. Accession number:** 20251218070905

**Title:** Dynamic magnetic characteristics and magnetocaloric effect of a diluted Graphene-like monolayer

**Authors:** Zou, Sheng; Wang, Wei; Huang, Si-Yu; Lv, Dan; Li, Yu-Han; Liu, Gong-Zhao

**Source title:** Applied Physics A: Materials Science and Processing

**21. Accession number:** 20250817925100

**Title:** Interfacial optimization of Li<sub>1.3</sub>Al<sub>0.3</sub>Ti<sub>1.7</sub>(PO<sub>4</sub>)<sub>3</sub> based solid-state electrolyte by in-situ thermal polymerization for high reliability lithium metal batteries

**Authors:** Chen, Ting-Ting; Zhang, Yu-Hang; Fan, Yi-Wei; Jiang, Xin; Wang, Peng-Fei; Wu, Yuhang; Shi, Fa-Nian

**Source title:** Applied Surface Science

**22. Accession number:** 20250917975745

**Title:** Publisher Correction: Preparation of Na<sub>2</sub>FeO<sub>4</sub> from Red Mud Sodium Roasting and Alkali Leaching Residue with the Aid of Ultrasound (JOM, (2025), 10.1007/s11837-025-07144-1)

**Authors:** Guan, Shuyue; Tang, Junjie; Sun, Yuan; Yang, Yanhong; Li, Laishi; Wu, Yusheng; Shi, Fanian

**Source title:** JOM

**23. Accession number:** 20250917938538

**Title:** Construct wave-like structure on the anode surface for achieving controllable zinc deposition in aqueous zinc-ion batteries

**Authors:** Song, Wei-jia; Wang, Jia-xin; Tang, Peng-cheng; Bao, Qing-peng; Du, Li-li; Wang, Peng-fei; Gong, Zhe; Shi, Fa-nian; Zhu, Min

**Source title:** Journal of Energy Storage

**24. Accession number:** 20251118024237

**Title:** Unraveling the mechanism and key role of KOH activation in phosphate adsorption by La(NO<sub>3</sub>)<sub>3</sub>/KOH-modified blue algae-derived biochar composite

**Authors:** Liu, Bing; Liu, Fengyu; Li, Weihao; Qin, Wenli; Wang, Min; Jia, Yang; Wang, Chao; Ma, Zengling

**Source title:** Journal of Environmental Chemical Engineering

**25. Accession number:** 20251118033846

**Title:** Synergistic flame retardancy of MIL-88B-Fe metal - organic framework with aluminum diethyl hypophosphite in epoxy resin

**Authors:** Wang, Song; Wang, Xiaoran

**Source title:** Journal of Vinyl and Additive Technology

**26. Accession number:** 20250917958397

**Title:** Dynamic magnetic behaviors and magnetocaloric effect of CrI<sub>3</sub>-like bilayer structure

**Authors:** Shi, Kai-Le; Jiang, Wei

**Source title:** Physica Scripta

**27. Accession number:** 20250917979026

**Title:** High concentrations of sodium dodecylbenzene sulfonate electrolyte additives improve the performance of aqueous zinc ion batteries

**Authors:** Bao, Qing-peng; Tang, Peng-cheng; Gong, Zhe; Wang, Peng-fei; Shi, Fa-nian; Zhu, Min

**Source title:** Solid State Ionics

**28. Accession number:** 20251118049978

**Title:** Removal of Methylene Blue from Simulated Wastewater Based upon Hydrothermal Carbon Activated by Phosphoric Acid

**Authors:** Hong, Jing; Bao, Jia; Liu, Yang

**Source title:** Water (Switzerland)

**29. Accession number:** 20251218070911

**Title:** Carbonic Anhydrase Immobilized by ZnO Nanoparticles for Catalytic CO<sub>2</sub> Conversion

**Authors:** Liu, Lian; Wang, Xin; Gao, Zixin; Zhan, Yue; Yao, Mengqin; Bao, Jia

**Source title:** Water, Air, and Soil Pollution

(十一) 石油化工学院 (16 篇)

1. **Accession number:** 20250817901895  
**Title:** A novel solid-phase activation approach to activate kaolinite-rich soil for LTA zeolite synthesis  
**Authors:** Zheng, Qian; Wang, Ziwei; Tian, Zhouyang; Cai, Lin; Jiang, Chengfeng; Deng, Lili; Yang, Dazhong; Wei, Zhenhua  
**Source title:** Chemical Engineering Journal
2. **Accession number:** 20250417758040  
**Title:** Theoretical study and molecular design of luminescent properties of TADF emitters with "axial and equatorial carbazolyl extension" structures  
**Authors:** Hou, Baoming; Li, Yuheng; Liu, Meiqi; Pan, Yuyu; Yang, Bing  
**Source title:** Chemical Physics Letters
3. **Accession number:** 20250317686036  
**Title:** Application of machine learning in polyimide structure design and property regulation  
**Authors:** Huo, Wenjia; Wang, Haiyue; Guo, Liying; Zheng, Rongrong; Liang, Boyang; Wu, Xiang; Wang, Cheng  
**Source title:** High Performance Polymers
4. **Accession number:** 20250117630337  
**Title:** Glycolysis of decolored waste polyethylene terephthalate fabrics catalyzed by zinc oxide nanocrystals  
**Authors:** Wang, Jiawei; Chen, Yanming; Li, Liang; Wang, Liyan; Qian, Xin  
**Source title:** Iranian Polymer Journal (English Edition)
5. **Accession number:** 20250317686392  
**Title:** High-efficiency Pb<sup>2+</sup> removal by hydroxy-sodalite for point-of-use drinking water purification  
**Authors:** Zheng, Qian; Wang, Ziwei; Tian, Zhouyang; Cai, Lin; Jiang, Chengfeng; Deng, Lili; Yang, Dazhong; Wei, Zhenhua  
**Source title:** Journal of Hazardous Materials
6. **Accession number:** 20250717860357  
**Title:** Pt nanoparticles supported on porous sheath TiO<sub>2</sub> wrapped carbon nanotubes for selective glycerol electro-oxidation into tartronate  
**Authors:** Guan, Chaohui; Li, Jiefei; Chen, Tao; Lv, Liang; Du, Junfeng; Zhang, Shuai; Wei, Hang; Chu, Haibin  
**Source title:** Journal of Materials Chemistry A
7. **Accession number:** 20250717882645  
**Title:** Preparation of maleic anhydride/methyl methacrylate double monomer grafted poe and its effect on the properties of pa610 alloys  
**Authors:** Chong, Yunsheng; Liu, Jinming; Chu, Jingchen; Wang, Liyan; Chen, Yanming; Liu, Qing; Meng, Hao; Bai, Jin  
**Source title:** Journal of Polymer Research
8. **Accession number:** 20250617832449  
**Title:** Characteristics and environmental driving mechanisms of bacterial communities in the Bohai Sea

**Authors:** Feng, Xu; Ji, Fengyun; Xu, Weiping; Song, Changmin; Xu, Jianqiang; Jia, Peng; Dong, Xiaoying; Xi, Wenqiu; Yan, Zhigang; Niu, Fengjuan

**Source title:** Marine Environmental Research

**9. Accession number:** 20250417762272

**Title:** Optimization of operating conditions for the catalytic alcoholysis of waste PET for the synthesis of BHET by sunflower seed husk matrix materials

**Authors:** Zhao, Linlin; Shen, Guoliang; Wen, Ruiyang; Xu, Tiejun; Jiang, Sijin; Wang, Xiaocui; Wang, Haichen

**Source title:** RSC Advances

**10. Accession number:** 20250717847917

**Title:** Design high-performance narrowband emitters for blue light-emitting diodes through manipulating resonance structure of aromatic heterocycles

**Authors:** Yu, Yue; Xu, Lei; Tan, Wenle; Pan, Yuyu; Xiao, Jiyin; Wang, Bohan; Tian, Guangjun; Ma, Yuguang; Ying, Lei

**Source title:** Science China Chemistry

**11. Accession number:** 20251118031813

**Title:** Solid-state Effects on Luminescence Properties of TADF Emitters Based on Pyrido[2,3-b]pyrazine-Dihydrophenazasilines Donor-acceptor Structures: Theoretical Study

**Authors:** Li, Yuheng; Liu, Meiqi; Hou, Baoming; Pan, Yuyu; Yang, Bing

**Source title:** Faguang Xuebao/Chinese Journal of Luminescence

**12. Accession number:** 20250917951973

**Title:** Synthesis of 2-Methyl-1,3-Propanediol Modified Azelaic Acid-Octanediol Copolyester Plasticizers and Their Plasticizing Effect on Polyvinyl Chloride

**Authors:** Zhang, Wanjing; Shan, Yuqi; Wang, Liyan; Chen, Yanming; Guo, Liying; Chong, Yunsheng; Qian, Xin

**Source title:** Journal of Applied Polymer Science

**13. Accession number:** 20251118029958

**Title:** Preparation of PAAS/GL/PANI conductive hydrogel with a double-network structure and its application in wearable sensors

**Authors:** Wang, Kai; Hu, Jiankang; Zhang, Yutong; Li, Anxin; Li, Mingjie; Wu, Bingying

**Source title:** Journal of Materials Research

**14. Accession number:** 20251218070475

**Title:** Ultrahighly permeable carbon molecular sieving membranes enabled by blocking the precursor polyimide molecules with 6FAP moieties

**Authors:** Zhang, Ying; Zhang, Bing; Wu, Yonghong; Wang, Tonghua

**Source title:** Journal of the Taiwan Institute of Chemical Engineers

**15. Accession number:** 20251118030753

**Title:** Preparation of M2070-UiO-66-OH@[BMim][PF6]/Pebax mixed matrix membranes and CO<sub>2</sub> separation

**Authors:** Zhang, Chengpeng; Bei, Pengzhi; Liu, Hongjing; Zhao, Xu; Shi, Meiling; Jing, Xiaochun; Li, Zhao; Yao, Hui

**Source title:** Polymer Bulletin

**16. Accession number:** 20251118049357

**Title:** The preparation of titanium adipate and optimization of its catalytic ester exchange reaction for the synthesis of diisooctyl adipate

**Authors:** Zhao, Linlin; Shen, Guoliang; Xu, Tiejun; Wen, Ruiyang; Jiang, Sijin

**Source title:** RSC Advances

(十二) 化工过程自动化学院 (2 篇)

1. **Accession number:** 20250417727594

**Title:** Amorphous-dominated MgO hollow spheres enhanced fluoride adsorption: Mechanism analysis and machine learning prediction

**Authors:** Fan, Lin; Wang, Dexi; Yu, Honglei; Guo, Jinyuan; He, Yan

**Source title:** Journal of Chemical Physics

2. **Accession number:** 20250817906852

**Title:** AEFNet: a real-time network for detecting prohibited items in x-ray images across complex scenarios

**Authors:** Zhu, Kaiyuan; Chang, Xinyu; Zhang, Qing

**Source title:** Measurement Science and Technology

(十三) 化工装备学院 (9 篇)

1. **Accession number:** 20250617817571  
**Title:** Optimization and Interpretability Analysis of Machine Learning Methods for ZnO Colloid Particle Size Prediction  
**Authors:** Fan, Lin; Yu, Honglei; He, Yan; Guo, Jinyuan; Min, Guangjun; Wang, Juan  
**Source title:** ACS Applied Nano Materials
2. **Accession number:** 20250117623335  
**Title:** Design, evaluation, and optimization of a new micromixer based on three-dimensional multilaminar flow  
**Authors:** Chen, Shulei; Yang, GuoWei; Liu, Kun; Lin, Qiao; Jiang, Yuanpeng  
**Source title:** Chemical Engineering Journal
3. **Accession number:** 20250117642991  
**Title:** Application of machine learning to predict the fluoride removal capability of MgO  
**Authors:** Fan, Lin; Wang, Dexi; Yu, Honglei; Gong, Ze; He, Yan; Guo, Jinyuan  
**Source title:** Journal of Environmental Chemical Engineering
4. **Accession number:** 20250817902439  
**Title:** Implementation of a dynamic gas lock mechanism reducing contamination in extreme ultraviolet cleanrooms  
**Authors:** Hao, Ming; Chen, Shulei; Teng, Shuai; Liu, Jiaying; Zhang, Yuhao; Xie, Yuanhua; Ba, Yaoshuai; Bian, Xin; Liu, Kun  
**Source title:** Journal of Industrial and Engineering Chemistry
5. **Accession number:** 20250817922857  
**Title:** Effect of Non-isothermal Retrogression and Re-aging on Microstructure and Properties of an Al-Zn-Mg-Cu Alloy  
**Authors:** Liu, Tianyu; Liu, Changjun; Li, Haoyi; Niu, Yong; Zou, Ting; Wu, Xiaocui  
**Source title:** Journal of Materials Engineering and Performance
6. **Accession number:** 20250717882893  
**Title:** Achieving synergistic enhancement of strength and plasticity of (TiC+Ti<sub>5</sub>Si<sub>3</sub>)/TC4 composites by dual-scale near-network structure design  
**Authors:** He, Tiantao; Yue, Chunyu; Zheng, Bowen; Gu, Feng; Zuo, Xiaojiao; Dong, Fuyu; Lin, Xuejian; Wang, Yinxiao; Huang, Hongjun; Yuan, Xiaoguang  
**Source title:** Materials Science and Engineering: A
7. **Accession number:** 20251218070905  
**Title:** Dynamic magnetic characteristics and magnetocaloric effect of a diluted Graphene-like monolayer  
**Authors:** Zou, Sheng; Wang, Wei; Huang, Si-Yu; Lv, Dan; Li, Yu-Han; Liu, Gong-Zhao  
**Source title:** Applied Physics A: Materials Science and Processing
8. **Accession number:** 20251118020900  
**Title:** Theoretical investigations on the effect of defects contributes to electronic structure and optical properties of monolayer MoS<sub>2</sub> based on first-principle calculations  
**Authors:** Wang, Xin; Wang, Yijie; Gu, Lei; Yu, Shutao; Lu, Dawei; Yang, Song; Bian, Ying  
**Source title:** Applied Physics A: Materials Science and Processing
9. **Accession number:** 20251018000563

**Title:** Strategy of sulfur autotrophic denitrification system for nitrogen removal from landfill leachate with temperature variations

**Authors:** Shao, Lixin; Wang, Dexi; Zhao, Hang; Zhao, Xibo; Fan, Lihua

**Source title:** Journal of Environmental Chemical Engineering

#### (十四) 基础教学学院 (1 篇)

1. **Accession number:** 20251118020900

**Title:** Theoretical investigations on the effect of defects contributes to electronic structure and optical properties of monolayer MoS<sub>2</sub> based on first-principle calculations

**Authors:** Wang, Xin; Wang, Yijie; Gu, Lei; Yu, Shutao; Lu, Dawei; Yang, Song; Bian, Ying

**Source title:** Applied Physics A: Materials Science and Processing

#### (十五) 教师发展与教师评估中心 (1 篇)

1. **Accession number:** 20251118041813

**Title:** Dual-responsive ratiometric luminescent assay for visual recognition of tetracyclines based on in situ encapsulation of Eu(III) and carbon dots into metal-organic frameworks

**Authors:** Yi, Kuiyu; Zhao, Qifeng; Kang, Xiaoqi

**Source title:** Bulletin of the Chemical Society of Japan

#### (十六) 图书馆 (1 篇)

1. **Accession number:** 20250917978861

**Title:** Extremely low phonon thermal conductivity of CdHgPb originating from quasi-rattling atoms

**Authors:** Yang, Zhonghua; Zhang, Mengyuan; Xu, Xinyi; Lan, Xinying; Wang, Junxiang; Liu, Chan; Tan, Lin

**Source title:** Physica Scripta

(十七) 其他: 未注明学院 (9 篇)

1. **Accession number:** 20250217673858  
**Title:** The construction of ultrahigh efficiency benzene molecular transport channel and application on pressure swing adsorption  
**Authors:** Zhou, Changkai; Ma, Anjun; Su, Changqing; Ma, Weiwu; Xu, Xiang; Zeng, Zheng; Li, Liqing  
**Source title:** Applied Surface Science
2. **Accession number:** 20250717883713  
**Title:** Optimal operation of urban multi-energy system via coordination of waste resourceful utilization and multi-energy storage  
**Authors:** Wang, Zedi; Guo, Xifeng; Gong, Wei; Yan, Jiajia  
**Source title:** Electric Power Systems Research
3. **Accession number:** 20250817903104  
**Title:** A new path in compressor valve design: Optimizing rotary cupped valves for superior flow and efficiency  
**Authors:** Hong, Xiao; Liu, Dajing; Cui, Weilin; Wang, Dexi; Fu, Xinrui; Cao, Xiwen; Zhao, Ming  
**Source title:** Flow Measurement and Instrumentation
4. **Accession number:** 20250217648072  
**Title:** Comprehensive Design and Performance Analysis of Series Dual Axial Flux Permanent Magnet Machine  
**Authors:** Guo, Zhenxing; Peng, Bing; Wu, Haiying; Zhen, Dongfang  
**Source title:** IEEE Transactions on Industry Applications
5. **Accession number:** 20250617810532  
**Title:** Effect of manganese-based composite phosphating coatings on the tribological performance of cylindrical thrust roller bearings  
**Authors:** Xu, Xiao; Zhang, Yimin; Long, Risheng  
**Source title:** Industrial Lubrication and Tribology
6. **Accession number:** 20250517798062  
**Title:** Effect of laser shock peening overlap rate on microstructure and wear resistance of M50 steel  
**Authors:** Yang, Shuai; Zhang, Meng; Yu, Penghan; Sun, Yufeng; Su, Yong; Yu, Xingfu  
**Source title:** Optics and Laser Technology
7. **Accession number:** 20250817903216  
**Title:** Review of suction valve capacity regulation technology in reciprocating compressor  
**Authors:** Cui, Weilin; Fu, Xinrui; Hong, Xiao; Wang, Dexi; Liu, Dajing; Cao, Xiwen  
**Source title:** Renewable and Sustainable Energy Reviews
8. **Accession number:** 20250617818236  
**Title:** Parallel Fabry Perot type fiber optic humidity sensor with hollow core fiber filled G-PVA based on vernier effect  
**Authors:** Tong, Rui-jie; Wu, Shu-chang; Zheng, Hao-nan; Li, Xiang; Xia, Feng  
**Source title:** Sensors and Actuators A: Physical
9. **Accession number:** 20251118042202

**Title:** Effect of lubrication groove characteristics on the tribological performance of self-lubricating thrust roller bearings

**Authors:** Liu, Ruifeng; Zhang, Yimin; Long, Risheng

**Source title:** Industrial Lubrication and Tribology

## 二、2025 年第一季度 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 (9 篇)

1. **Accession number:** 20251017995499  
**Title:** Application of Machine Learning Based Life Prediction Method in Aviation Enterprises  
**Authors:** Wang, Yuning; Xie, Daye; Yin, Haijun; Yin, Mingang  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Technology, EIECT 2024
2. **Accession number:** 20250617830454  
**Title:** Research on Optimization Strategy of Production Line in Aviation Manufacturing Enterprises Based on Machine Learning  
**Authors:** Wang, Yuning; Jiao, Qingyang; Yin, Haijun; Yin, Ming'ang  
**Source title:** 2024 6th International Conference on Machine Learning, Big Data and Business Intelligence, MLBDBI 2024
3. **Accession number:** 20251017993546  
**Title:** Numerical simulation of laser transmission welding of PEEK and CF-PEEK composite pipe fittings  
**Authors:** Huang, Mingqiang; Luo, Haitao; Li, Yuxin; Li, Yanbin  
**Source title:** 2024 8th International Conference on Electrical, Mechanical and Computer Engineering, ICEMCE 2024
4. **Accession number:** 20250717850650  
**Title:** Lunar Exploration Robot Mobility and Stability: A Comprehensive Analysis and Simulation Study  
**Authors:** Xu, Yansong; Li, Junlin; Luo, Haitao; Dong, Yuming; Wang, Yaowei  
**Source title:** 2024 IEEE International Conference on Control Science and Systems Engineering, ICCSSE 2024
5. **Accession number:** 20251318111001  
**Title:** Path Planning for Multi-Axis Additive Manufacturing Based on Normal Slicing and Helical Strategy  
**Authors:** Liu, Han; Xing, Fei  
**Source title:** ACAI 2024 - 2024 7th International Conference on Algorithms, Computing and Artificial Intelligence
6. **Accession number:** 20250617829430  
**Title:** DEVELOPMENT OF A SUPERVISED MACHINE LEARNING MODEL FOR PREDICTING THE FRICTION COEFFICIENT OF TRIBOLOGICAL PAIRS  
**Authors:** Wang, Yongjie; Wang, Wenshan; Nie, Rui; Wang, Shijie; Li, Yunlong  
**Source title:** IET Conference Proceedings
7. **Accession number:** 20251218096382  
**Title:** Non-planar slicing algorithm based on AABB and OBB bounding boxes for additive manufacturing  
**Authors:** Liu, Han; Xing, Fei  
**Source title:** Journal of Physics: Conference Series
8. **Accession number:** 20250717880518

**Title:** Study on the effect of acoustic scattering on the performance of close-packed array elements

**Authors:**Xin, Tan; Quan, Liang; Yuan, Gao; Lei, Wang

**Source title:** Journal of Physics: Conference Series

9. **Accession number:** 20251218096369

**Title:** Simulation study on the passability of the soft lunar surface of the wire screen wheel

**Authors:**Dong, Yuming; Luo, Haitao; Li, Yuxin; Li, Dehui

**Source title:** Journal of Physics: Conference Series

## (二) 材料科学与工程学院 (12 篇)

1. **Accession number:** 20251018016739  
**Title:** Research on Water-Based Quick-drying Coatings for Foundry and the Film-Forming Mechanism  
**Authors:** Liu, Bao; Liu, Weihua; Song, Lai  
**Source title:** 75th World Foundry Congress, WFC 2024
2. **Accession number:** 20251018017023  
**Title:** Ceramic Particles Reinforced Ductile Iron Prepared by Lost Foam Casting and Its Properties  
**Authors:** Zhang, W.; Zhao, Y.; Qu, Y.D.; Li, G.L.; Dong, S.L.; Zhang, S.R.  
**Source title:** 75th World Foundry Congress, WFC 2024
3. **Accession number:** 20251018016888  
**Title:** Research on Lost Foam Casting Technique and Wear Resistance of Ductile Iron Reinforced by TiC/CeO<sub>2</sub> Particles  
**Authors:** Li, R.D.; Qu, Y.D.; Li, G.L.; Zhang, W.; Zhang, S.R.; Dong, S.L.; Zhou, Q.W.; Zhao, Y.  
**Source title:** 75th World Foundry Congress, WFC 2024
4. **Accession number:** 20251018016405  
**Title:** Study on High Temperature Deformation Behavior and Deformation Mechanism of a Ti-47.5Al-2.5V-1.0Cr-0.2Zr Alloy  
**Authors:** Lin, Xuejian; Huang, Hongjun; Yuan, Xiaoguang; Zheng, Bowen; Zuo, Xiaojiao; Zhou, Ge  
**Source title:** 75th World Foundry Congress, WFC 2024
5. **Accession number:** 20251018016404  
**Title:** Exploring Microstructure Evolution and Machine-learning Method During Hot Deformation of 56Ni-32Ti-12Hf Alloy  
**Authors:** Fu, Chunzhe; Huang, Hongjun; Zhou, Ge; Zuo, Xiaojiao; Zheng, Bowen; Yuan, Xiaoguang  
**Source title:** 75th World Foundry Congress, WFC 2024
6. **Accession number:** 20251018017189  
**Title:** Dual-Scale Near-Net Structure Design to Achieve Synergistic Enhancement of Strength and Plasticity of (TiC+Ti<sub>5</sub>Si<sub>3</sub>)/TC4 Composites  
**Authors:** He, Tiantao; Yue, Chunyu; Zheng, Bowen; Gu, Feng; Dong, Fuyu; Lin, Xuejian; Zuo, Xiaojiao; Wang, Yinxiao; Huang, Hongjun; Yuan, Xiaoguang  
**Source title:** 75th World Foundry Congress, WFC 2024
7. **Accession number:** 20251018016406  
**Title:** Effect of Alloying Elements and Liquid Film in Late Solidification Stage on Hot Tearing of Al-Cu Alloy  
**Authors:** Yue, Chunyu; Zheng, Bowen; Su, Ming; Zuo, Xiaojiao; Yuan, Xiaoguang  
**Source title:** 75th World Foundry Congress, WFC 2024
8. **Accession number:** 20251018016897  
**Title:** The Role of Microstructure Regulation on Magnetic Properties of Non-Oriented Silicon Steels

**Authors:** An, Lingzi; Liu, Haitao; Wang, Guodong

**Source title:** 75th World Foundry Congress, WFC 2024

**9. Accession number:** 20251318116365

**Title:** Micro structure and properties of WE54 magnesium alloy fabricated by CMT arc additive manufacturing

**Authors:** Cao, Dongxu; Xin, Minyan; Zhang, Guoyu; Feng, Yang; Li, Wuhong

**Source title:** Journal of Physics: Conference Series

**10. Accession number:** 20251218096329

**Title:** A study on the corrosion resistance of t-shaped bolts in modular equipment cabins of multiple units under different repair processes

**Authors:** Liu, Zijing; Kou, Huaizhi; Su, Yunhai

**Source title:** Journal of Physics: Conference Series

**11. Accession number:** 20251318116364

**Title:** Study on the laser self-fusion welding process, microstructure, and properties of 6082 aluminum alloy

**Authors:** Xin, Minyan; Li, Songcheng; Li, Wuhong; Zhang, Guoyu; Chen, Wenzhen

**Source title:** Journal of Physics: Conference Series

**12. Accession number:** 20250917976080

**Title:** The wear resistance of graphitic carbon nitride and its potential application in sports equipment

**Authors:** Xu, Yanheng; Lin, Lin; Liu, Lu

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

### (三) 电气工程学院 (41 篇)

1. **Accession number:** 20250917956333  
**Title:** Novel Data-Driven Approach for Optimizing Virtual Inertia and Primary Frequency Response in Power Systems  
**Authors:** Liu, Qiang; Xu, Xiao; Cui, Jia; Zhao, Peng; Wang, Gang; Wang, Runxuan  
**Source title:** 2024 4th International Conference on New Energy and Power Engineering, ICNEPE 2024
2. **Accession number:** 20250917956316  
**Title:** Novel Optimizing Model for Medium- and Long-Term Trading and Decomposition of Contract Electricity  
**Authors:** Liu, Hao; Ma, Jilei; Cui, Jia; Wang, Chensi; Yang, Chao; Li, Dongming; Zhu, Dongyuan  
**Source title:** 2024 4th International Conference on New Energy and Power Engineering, ICNEPE 2024
3. **Accession number:** 20250917956316  
**Title:** Novel Optimizing Model for Medium- and Long-Term Trading and Decomposition of Contract Electricity  
**Authors:** Liu, Hao; Ma, Jilei; Cui, Jia; Wang, Chensi; Yang, Chao; Li, Dongming; Zhu, Dongyuan  
**Source title:** 2024 4th International Conference on New Energy and Power Engineering, ICNEPE 2024
4. **Accession number:** 20250317711236  
**Title:** Novel inertia control approach of Doubly-Fed Wind Turbines for Enhanced Frequency Stability  
**Authors:** Sun, Gang; Zhao, Xin; Cui, Jia; Kang, Liang; Li, Yuanzhong; Jia, Hongbo  
**Source title:** 2024 6th International Conference on Energy, Power and Grid, ICEPG 2024
5. **Accession number:** 20250217667953  
**Title:** A Method to Maximize Torque Density in MGs for Synchronous Condensers and Flywheel ESS  
**Authors:** Xia, Jiakuan; Liu, Siqi; Sun, Lu; Zhao, Yunqi  
**Source title:** 2024 9th International Conference on Power and Renewable Energy, ICPRE 2024
6. **Accession number:** 20250417769109  
**Title:** Investigating the Efficacy of Nonlinear Susceptibility Inversion Deep Learning Models in MRI Quantitative Susceptibility Mapping  
**Authors:** Zhang, Zheng; Guo, Hongyu; Jing, Yan  
**Source title:** BIBE 2024 - Conference Proceedings, 7th International Conference on Biological Information and Biomedical Engineering
7. **Accession number:** 20250417769090  
**Title:** Low-Rank Constrained Magnetic Resonance Compressed Sensing Reconstruction Method  
**Authors:** Guo, Hongyu; Jing, Yan; Zhang, Zheng; Chen, Hong

**Source title :** BIBE 2024 - Conference Proceedings, 7th International Conference on Biological Information and Biomedical Engineering

**8. Accession number:** 20250617840681

**Title:** Characteristics of Ohmic Losses in Composite Material Transformer Cores

**Authors:** Zhang, Bo; Chen, Taiyi; Dong, Ting; Ma, Sheng; Zhang, Miao

**Source title:** Digests of the Intermag Conference

**9. Accession number:** 20250617840684

**Title:** Characteristics of Magnetic Flux in Composite Materials Transformer Core

**Authors:** Zhang, Bo; Jiang, Bin; Dong, Ting; Ma, Sheng; Zhang, Miao

**Source title:** Digests of the Intermag Conference

**10. Accession number:** 20250317710729

**Title:** Research of the Effects of H<sub>2</sub>O and O<sub>2</sub> on the Corona Decomposition Characteristics of SF<sub>6</sub>/N<sub>2</sub> Gas Mixtures

**Authors:** Wang, Rui; Geng, Zhenxin; Xu, Jianyuan; Lin, Xin; Chen, Sheng

**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology

**11. Accession number:** 20250317710819

**Title:** Study on the Effect of Metal Droplet Splashing on the Breaking Characteristics of DC Air Arc

**Authors:** Yang, Juncheng; Li, Jing; Duan, Wei; Liu, Shuxin; Cao, Yundong

**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology

**12. Accession number:** 20250317710711

**Title:** Study on Arc Root Stagnation of Contact Edge and the Erosion Mechanism of DC Breaking Process

**Authors:** Duan, Wei; Li, Jing; Yang, Juncheng; Liu, Shuxin; Cao, Yundong

**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology

**13. Accession number:** 20250317710762

**Title:** Simulation Research on Arc Characteristics of New Environmental-Friendly Gas

**Authors:** Li, Le; Geng, Zhenxin; Xu, Jianyuan; Lin, Xin; Chen, Sheng

**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology

**14. Accession number:** 20250317710753

**Title:** Study on Nozzle Ablation Caused by Arcing in High Voltage Circuit Breaker with C<sub>4</sub>-FN Gas Mixtures

**Authors:** Gu, Wei; Li, Yang; Chen, Hongning; Feng, Dingyu; Lin, Xin; Zhang, Bo

**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology

**15. Accession number:** 20250317710673

**Title:** Net Emission Coefficient of C<sub>5</sub>F<sub>10</sub>O/CO<sub>2</sub> Arc Plasma

**Authors:** Cui, Zhaoxuan; Lin, Xin

**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology

- 16. Accession number:** 20250317710698  
**Title:** Degradation Stage Division of AC Contactor Contact System Based on ICEEMDAN-PE-WT and Change Point Detection  
**Authors:** Xing, Chaojian; Liu, Shuxin; Li, Yankai; Xu, Jing; Li, Jing  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 17. Accession number:** 20250317710750  
**Title:** High Voltage Circuit Breaker Contact Material-Experimental Study on the Wear Resistance of GrCuW Alloy  
**Authors:** Lin, Xin; Gao, Xueying; Ding, Yi; Tao, Xinyu  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 18. Accession number:** 20250317710748  
**Title:** Barrier Effect on the Breakdown Characteristics of the Resistive-Type Superconducting Fault Current Limiters in the Quenching State  
**Authors:** Gao, Lei; Zhang, Bo; Yan, Ning; Xiang, Bin; Liu, Zhiyuan; Ma, Shaohua; Cai, Zhiyuan; Dong, Yannan  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 19. Accession number:** 20250317710633  
**Title:** Thermodynamic Properties and Transport Coefficients of C4F7N/CO2/PTFE Mixtures arc Plasma  
**Authors:** Daolin, Qu; Jianyuan, Xu; Lin, Xin; Wang, Wen; Yao, Yao  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 20. Accession number:** 20250317710645  
**Title:** The Study on the Cold-State Breakdown Characteristics of Different Environmentally Friendly Gases  
**Authors:** Wang, S.A.; Zhang, T.B.; Yin, X.H.; Jin, Y.S.; Xu, J.Y.; Geng, Z.X.  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 21. Accession number:** 20250317710817  
**Title:** Simulation of Electrical Breakdown Characteristics of Eco-Friendly C4F7N/CO2 Gas Mixture  
**Authors:** Chen, Sheng; Xu, Bowen; Lin, Xin; Geng, Zhenxin; Li, Shuang  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 22. Accession number:** 20250317710799  
**Title:** Dynamic Characteristics Analysis of 550 kV Fast Circuit Breaker Repulsion Valve  
**Authors:** Zou, Huancheng; Xu, Bowen; Wei, Jianwei; Peng, Zaixing; Lin, Xin  
**Source title:** ICEPE-ST 2024 - 7th International Conference on Electric Power Equipment - Switching Technology
- 23. Accession number:** 20250717846356  
**Title:** Research on intelligent guide robots based on LiDAR

- Authors:** Meng, Zhaojun; Ma, Zirong; Han, Zhao; An, Hui; Han, Xingyi  
**Source title:** Journal of Physics: Conference Series
- 24. Accession number:** 20251218079785  
**Title:** Research on the Interruption Performance of Environmentally Friendly 126 kV Circuit Breaker  
**Authors:** Liu, Xinming; Xu, Jianyuan; Jin, Yousheng  
**Source title:** Lecture Notes in Electrical Engineering
- 25. Accession number:** 20250617804265  
**Title:** Multi-Objective Reliability-Based Robust Optimization Utilizing Adaptive Two-Stage Surrogate Model for Electrical Equipment  
**Authors:** Huang, Jianzhong; Ren, Ziyang; Wu, Jiaqi  
**Source title:** Lecture Notes in Electrical Engineering
- 26. Accession number:** 20250617804258  
**Title:** Multi-Objective Design of Permanent Magnet Brushless DC Machine by Raccoon Optimization Algorithm Combined with Support Vector Machine  
**Authors:** Zhao, Xinghua; Ren, Ziyang; Wang, Qi; Wu, Jiaqi  
**Source title:** Lecture Notes in Electrical Engineering
- 27. Accession number:** 20251318122425  
**Title:** The Impact of Mechanical Damage on the Mechanical and Insulation Performance of Glass Fiber Reinforced Epoxy Composites  
**Authors:** Wang, Shuai; Xu, Bowen  
**Source title:** Lecture Notes in Electrical Engineering
- 28. Accession number:** 20251218079653  
**Title:** Stewart Platform Control Input Anti-saturation Sliding Mode Controller Design  
**Authors:** Hu, Anri; Qiao, Heting; Yang, Wenlin; Liu, Menglian; Guo, Yichen  
**Source title:** Lecture Notes in Electrical Engineering
- 29. Accession number:** 20251318122234  
**Title:** Study on the Impact of Temperature Rise in Transmission Lines Based on Electro-Thermal Coupling  
**Authors:** Li, Guanhua; Ma, Yiling; Zhao, Zhenwei; Cheng, Jiwei; Xu, Jianyuan; Liu, Zichao  
**Source title:** Lecture Notes in Electrical Engineering
- 30. Accession number:** 20251318122435  
**Title:** Reactive Power Coordination Control Strategy for High Penetration Wind Power Systems Based on P-V Curve  
**Authors:** Li, Guanhua; Ma, Yiling; Han, Jiayu; Liu, Zichao; Xu, Jianyuan; Cheng, Jiwei  
**Source title:** Lecture Notes in Electrical Engineering
- 31. Accession number:** 20251218086873  
**Title:** Event-Triggered Control of Switched Positive Systems with Actuator Saturation Under DOS Attacks  
**Authors:** Wang, Juan; Li, Xiaohu; Dong, Xiaoxiao; Lou, Zhi-E.  
**Source title:** Lecture Notes in Electrical Engineering
- 32. Accession number:** 20251318122448  
**Title:** Simulation Analysis and Monitoring Method for Electrical Contact State of GIS Based on Vibration Information

- Authors:**He, Long; Song, Guodong; Zhu, Yongming; Cao, Chen; Ma, Jincai; Liu, Gang; Wang, Qingbin  
**Source title:** Lecture Notes in Electrical Engineering
- 33. Accession number:** 20250217657571  
**Title:** Three-dimensional Deformation Estimation of Contacting Surface Based on a Visuotactile Sensor  
**Authors:**Zu, Weixing; Wang, Peiyao; Li, Kairu  
**Source title:** M2VIP - Proceedings of the International Conference on Mechatronics and Machine Vision in Practice
- 34. Accession number:** 20251318133181  
**Title:** Research on CNN-based Fatigue State Assessment Method for Muscle Pressurization Training  
**Authors:**Sun, Zhigang; Du, Qiang; Ke, Li  
**Source title:** Proceedings - 2024 17th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics, CISP-BMEI 2024
- 35. Accession number:** 20251318111376  
**Title:** Coordinated Optimization Control Method of Multi Microgrid Cluster System And Distribution Network\*  
**Authors:**He, Xianping; Zuo, Hao; Li, Yan; Zhang, Renze; Yue, Hongwei  
**Source title:** Proceedings - 2024 6th International Conference on Electrical Engineering and Control Technologies, CEECT 2024
- 36. Accession number:** 20251118057759  
**Title:** Research on SMC - ADRC Strategy of Dual Three-phase PMSM  
**Authors:**Du, Jingyu; Guan, Xin; Li, Jianping; Lin, Yuxin; Yu, Haoran; Gao, Zhenhui  
**Source title:** Proceedings - 2024 China Automation Congress, CAC 2024
- 37. Accession number:** 20251118057151  
**Title:** Application of Knowledge Distilled Neural Network to Railway Overhead Line Fault Diagnosis  
**Authors:**Du, Jingyu; Cheng, Kai; Guan, Xin; Yu, Deshuai; Yan, Maochang; Li, Jianping  
**Source title:** Proceedings - 2024 China Automation Congress, CAC 2024
- 38. Accession number:** 20251118057029  
**Title:** Robust Robot Control Policy Learning Based on Gaussian Mixture Variational Autoencoders  
**Authors:**Dong, Qingwei; Zeng, Peng; Zang, Chuanzhi; Wan, Guangxi; Dong, Xiaoting; Cui, Shijie  
**Source title:** Proceedings - 2024 China Automation Congress, CAC 2024
- 39. Accession number:** 20250317707510  
**Title:** Short-Term Tariff Prediction for High Penetration New Energy Electricity Market Based on Singular Spectrum Analysis and CNN-GRU Combination Model  
**Authors:**Jiang, Libing; Zhang, Xinyu; Zhang, Pengfei; Pang, Wan; Qu, ChenXi  
**Source title:** Proceedings of 2024 International Conference on New Trends in Computational Intelligence, NTCI 2024
- 40. Accession number:** 20251218101795  
**Title:** Prediction of EDM process effect based on GA-BP neural network

**Authors:** Wang, Hongshuang; Wang, Hongrui; Lin, Zhanyi; Hu, Qian; Wang, Peide

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

**41. Accession number:** 20250517790307

**Title:** Research on instantaneous feature recognition models of finger movement based on surface electromyography signals

**Authors:** Jin, Ming; Bai, Dianchun; Dai, Jinli

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

#### (四) 信息科学与工程学院 (11 篇)

1. **Accession number:** 20250217660418  
**Title:** A high PSRR LDO design with Cascode compensation  
**Authors:** Li, Xin; Li, Qiyue  
**Source title:** 2024 3rd International Conference on Electronics and Information Technology, EIT 2024
2. **Accession number:** 20250317711361  
**Title:** Research on Maximum Power Point Tracking Control Method for Ship Photovoltaic System  
**Authors:** Li, Haoyuan; Guo, Xinyu; Yu, Zehao; Wang, Yuexuan; Feng, Bowei  
**Source title:** 2024 6th International Conference on Energy, Power and Grid, ICEPG 2024
3. **Accession number:** 20250217667929  
**Title:** Phase-locked Loop Dynamic Preserved Model Order Reduction of Doubly-Fed Wind Turbines Based on Balanced Truncation  
**Authors:** Yu, Xiaohan; Wang, Rui; Wang, Yibo; Pan, Yanjiang; Sun, Qiuye  
**Source title:** 2024 9th International Conference on Power and Renewable Energy, ICPRE 2024
4. **Accession number:** 20250417728899  
**Title:** Research on Inner Surface Defect Detection Device of Polyethylene Pipe based on Machine Vision  
**Authors:** Ji, Xilin; Li, Yahong; Wang, Yiyang; Wang, Hexiao  
**Source title:** ACM International Conference Proceeding Series
5. **Accession number:** 20250817929165  
**Title:** Design of the 1-Bit Unit Cell for A Dual-Polarized Broadband Reflectarray  
**Authors:** Ai, Zhikang; Li, Wenting; Xie, Lelin; Zhang, Long; Zhang, Chong; Gao, Yao  
**Source title:** ISAPE 2024 - 14th International Symposium on Antennas, Propagation and EM Theory
6. **Accession number:** 20250817929186  
**Title:** Design of the Unit Cell Based on Liquid Crystal for A Beam Scanning Reflectarray  
**Authors:** Yang, Jinyuan; Li, Wenting; Lin, Wenting; Zhang, Long; Zhang, Chong; Gao, Yao  
**Source title:** ISAPE 2024 - 14th International Symposium on Antennas, Propagation and EM Theory
7. **Accession number:** 20250917970982  
**Title:** Visual SLAM Algorithm Based on Lightweight Object Detection Network in Dynamic Environments  
**Authors:** Zhang, Zhe; Li, Wei; Zhang, Tongbo  
**Source title:** Proceedings of SPIE - The International Society for Optical Engineering
8. **Accession number:** 20250617831161  
**Title:** Design of a wearable wireless surface EMG acquisition device based on STM32F411  
**Authors:** Jia, Danping; Liu, Yuzhuo  
**Source title:** Proceedings of SPIE - The International Society for Optical Engineering
9. **Accession number:** 20250417735963  
**Title:** Recognition of defects in wooden table spoons based on YOLO improved algorithm

**Authors:** Liu, Zhenyu; Zhang, Jinghui

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

**10. Accession number:** 20250417736085

**Title:** Nonuniformity correction based on the blackbody image space in uncooled long-wave infrared cameras without a shutter

**Authors:** Wu, Zenan; Zhang, Chengshuo

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

**11. Accession number:** 20250417767819

**Title:** Design and performance evaluation of a large-aperture variable-focus lens with a liquid-membrane-liquid structure

**Authors:** Huang, Yutao; Wang, Lihui; Huang, Shuangjiang; Fan, Longfei

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

#### （五）理学院（1 篇）

**1. Accession number:** 20250417746386

**Title:** The Collaborative Intelligent Mathematics Tutoring Agent Platform

**Authors:** Meng, Hao; Zhao, Qian; Wang, Xiaosong; Shen, Jun; Luo, Yunheng; Xie, Fei

**Source title:** Proceedings - 2024 IEEE International Conference on Agents, ICA 2024

#### （六）建筑与土木工程学院（1 篇）

**1. Accession number:** 20251318111092

**Title:** Engineering application of microseismic monitoring technology to predict rockburst in deep tunnel

**Authors:** Xu, Jiaxin; Yu, Qun; Wang, Jingyi; An, Yuxuan; Wang, Lin; Tian, Shengjie; Zhang, Yulong

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

(七) 外国语学院 (1 篇)

1. **Accession number:** 20250817904847

**Title:** CNNM Based on Speech Tone Synthesis and its Application in Translators

**Authors:** Jiang, Lin; Lu, Xiao; Liu, Yingjun

**Source title:** Proceedings - 2024 IEEE 16th International Conference on Communication Systems and Network Technologies, CICN 2024

(八) 软件学院 (13 篇)

1. **Accession number:** 20250517786757  
**Title:** Research on the Entity Relationship Extraction Method of Large Model Chinese Electronic Medical Record With Low-Moment Features  
**Authors:** Li, Zehao; Zhong, Ling; Han, Xinyi  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Science, EIECS 2024
2. **Accession number:** 20250517786660  
**Title:** Blood Cell Image Classification Based on Improved EfficientNetB3 Model  
**Authors:** Feng, Haiwen; Wu, Yuhua  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Science, EIECS 2024
3. **Accession number:** 20250517786655  
**Title:** Research on Classification Methods of Breast Cancer Based on Deep Learning  
**Authors:** Feng, Haiwen; Wang, Caihua  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Science, EIECS 2024
4. **Accession number:** 20250517786701  
**Title:** SlowFast Behavior Recognition Algorithm Based on Residual Frame  
**Authors:** Yang, Deguo; Hai, Wenwen  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Science, EIECS 2024
5. **Accession number:** 20250517786744  
**Title:** Based on the Conformer End-to-End Chinese Speech Recognition Method  
**Authors:** Feng, Haiwen; Shi, Yunxiao  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Science, EIECS 2024
6. **Accession number:** 20251017995565  
**Title:** Multiple Objective Scheduling Optimization Algorithm Based on Grey Wolf Optimization and Variable Neighborhood Search Algorithm  
**Authors:** Liu, Jiannan; Liu, Wencheng; Wang, Ting; Zhang, Shengnan  
**Source title:** 2024 4th International Conference on Electronic Information Engineering and Computer Technology, EIECT 2024
7. **Accession number:** 20250917948568  
**Title:** Application of AutomationML/OPC UA in Robot Interoperability  
**Authors:** Chang, Siyuan; Zhang, Hualiang  
**Source title:** 2024 5th International Conference on Artificial Intelligence and Computer Engineering, ICAICE 2024
8. **Accession number:** 20250417725695  
**Title:** Failure Diagnosis Method of Oil Pump Well Based on MobileNet V3  
**Authors:** Mu, Honglin; Tong, Xing; Zhang, Shengnan  
**Source title:** 2024 5th International Conference on Artificial Intelligence and Computer Engineering, ICAICE 2024

9. **Accession number:** 20250417767267  
**Title:** DSS-YOLOv7: An Enhanced YOLOv7-Based Algorithm for Classroom Behavior Detection  
**Authors:** Yao, Fulong; Chen, Xi; Jiang, Yufan; Jia, Wenlong  
**Source title:** ACM International Conference Proceeding Series
10. **Accession number:** 20250917964771  
**Title:** Video Crowd Activity Recognition Based on Stereo Vision  
**Authors:** Zhang, Gang; Wang, Cong; Hu, Yiwei  
**Source title:** Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
11. **Accession number:** 20250917945475  
**Title:** Development and Optimization of a WebGL-Based Mechanical Model Simulation Platform  
**Authors:** Wang, Xintong; Tian, Hao; Fang, Jingzhe; Zhang, Hualiang; Zhang, Tao  
**Source title:** Lecture Notes in Mechanical Engineering
12. **Accession number:** 20250817905427  
**Title:** Research on Anomaly Detection Based on System Log Data  
**Authors:** Zhang, Baojia; Jiang, Yan  
**Source title:** Proceedings of 2024 5th International Conference on Computer Science and Management Technology, ICCSMT 2024
13. **Accession number:** 20250417768086  
**Title:** Multi-label text classification method based on ReBERTa-TextCNN  
**Authors:** Zhang, Shengnan; Xu, Huiyang  
**Source title:** Proceedings of SPIE - The International Society for Optical Engineering

#### (九) 人工智能学院 (1 篇)

1. **Accession number:** 20250717850430  
**Title:** Enhancing Hydrogen Fuel Cell Hybrid Electric Vehicle Performance With Strategies Based on Optimized Equivalent Factors  
**Authors:** Li, Xu; Chen, Li  
**Source title:** 2024 IEEE International Conference on Control Science and Systems Engineering, ICCSSE 2024

(十) 环境与化学工程学院 (2 篇)

1. **Accession number:** 20250317711361

**Title:** Research on Maximum Power Point Tracking Control Method for Ship Photovoltaic System

**Authors:** Li, Haoyuan; Guo, Xinyu; Yu, Zehao; Wang, Yuexuan; Feng, Bowei

**Source title:** 2024 6th International Conference on Energy, Power and Grid, ICEPG 2024

2. **Accession number:** 20250917976080

**Title:** The wear resistance of graphitic carbon nitride and its potential application in sports equipment

**Authors:** Xu, Yanheng; Lin, Lin; Liu, Lu

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

(十一) 商贸学院 (1 篇)

1. **Accession number:** 20251318119398

**Title:** Precise Issuance of Meituan Merchants' Coupons with Machine Learning

**Authors:** Zhang, Xue; Qiu, Jie; Li, Bo

**Source title:** ACM International Conference Proceeding Series

(十二) 其他: 未注明学院 (16 篇)

1. **Accession number:** 20251218099587  
**Title:** Decision-Making Model for Electricity and Heat Cotrading in Community Clusters Considering Low-Carbon Priorities  
**Authors:** Zhang, Xuanshu; Ma, Yihua; Wang, Anni; Yao, Zuoheng; Li, Dongming; Li, Zhousi; Cui, Jia; Luo, Zhe  
**Source title :** 2024 11th International Forum on Electrical Engineering and Automation, IFEEA 2024
2. **Accession number:** 20251218096172  
**Title:** Network Model for Multi-Scale Dense Object Detection Focused on Small Objects  
**Authors:** Hou, Yaoshena; Jiang, Yan; Yao, Fulong  
**Source title :** 2024 2nd International Conference on Artificial Intelligence and Automation Control, AIAC 2024
3. **Accession number:** 20251018004137  
**Title:** A Patent Quality Evaluation Method Based on Heterogeneous Graph Network  
**Authors:** Su, Yuhua; Zhang, Shengnan  
**Source title :** 2024 4th International Conference on Computer Science, Electronic Information Engineering and Intelligent Control Technology, CEI 2024
4. **Accession number:** 20250417725676  
**Title:** Research on the Impact Calculation of Penetrators on Typical Metal Protective Structures Based on Unity3D  
**Authors:** Fei, Xiaokai; Zhao, Hongzhi; Cheng, Yan; Tian, Jia  
**Source title :** 2024 5th International Conference on Computer Engineering and Intelligent Control, ICCEIC 2024
5. **Accession number:** 20250517797913  
**Title:** Research on Personalized Product Recommendation Algorithm Based on Deep Learning  
**Authors:** Zhong, Ling; Qu, Zhaoxin; Li, Feng; Liu, Zhenlong  
**Source title :** 2024 5th International Conference on Intelligent Computing and Human-Computer Interaction, ICHCI 2024
6. **Accession number:** 20251017993618  
**Title:** Optimal operation of integrated energy system combined cooling heating and power based on the improved raccoon algorithm  
**Authors:** Zhu, An; Liu, Yang; Li, Li; Yue, Zihan; Guo, Yining  
**Source title :** 2024 8th International Conference on Electrical, Mechanical and Computer Engineering, ICEMCE 2024
7. **Accession number:** 20251017993393  
**Title:** PCEB-YOLOV8: An Improved PCB Defect Detection Method Based on YOLOV8  
**Authors:** Li, Meihui; Song, Chunhe; Yu, Xia; Chu, Mengmeng; Li, Rui  
**Source title :** 2024 8th International Conference on Electrical, Mechanical and Computer Engineering, ICEMCE 2024
8. **Accession number:** 20250417725654

- Title:** Target Detection for Running Around Obstacles Based on Improved YOLOv5 Algorithm  
**Authors:** Hui, Guo; Meng, Zhao  
**Source title:** 2024 IEEE 5th International Conference on Pattern Recognition and Machine Learning, PRML 2024
- 9. Accession number:** 20250417731570  
**Title:** Real-Time Control Applications Using Rapid Modeling Based on Surface Electromyography  
**Authors:** Gong, Fenghao; Bai, Dianchun; Liu, Zhuo; Li, Ruiji; Lin, Zhongpeng  
**Source title:** Advances in Transdisciplinary Engineering
- 10. Accession number:** 20250817896995  
**Title:** Advancing Glucose Content Prediction: A Multivariate Fuzzy Time Series Methodology  
**Authors:** Liu, Zhi; Zhang, Zhiyi  
**Source title:** CFIMA 2024 - Proceedings of 2024 2nd International Conference on Frontiers of Intelligent Manufacturing and Automation
- 11. Accession number:** 20250617820702  
**Title:** Research on Capacity Configuration Scheme of Hybrid Energy Storage Equipment in Wind Farm Based on Wavelet Packet Decomposition  
**Authors:** Feng, Rumeng; Zhang, Xiuqi; Liu, Xiaokai; Cong, Yu; Li, Xiufen; Yang, Deyu; Cao, Bin; Yuan, Shuai; Meng, Qingtian; Xu, Jun  
**Source title:** IET Conference Proceedings
- 12. Accession number:** 20250917946858  
**Title:** An Indirect Dataset Labeling Strategy of Acupoint Recognition with High-Precision and High-Efficiency for Physiotherapy Robot  
**Authors:** Niu, Chunhui; Zhao, Donghui; Sun, Xingwang; Yuan, Xin; Liu, Zhenze  
**Source title:** Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
- 13. Accession number:** 20250917967026  
**Title:** Human-Robot Pose Tracking Based on CNN with Color and Geometry Aggregation  
**Authors:** Xu, Yue; Zhang, Yinlong; Liu, Shuai; Liu, Yuanhao; Liang, Wei; He, Hongsheng  
**Source title:** Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
- 14. Accession number:** 20251218077833  
**Title:** ActIPP: Active Intellectual Property Protection of Edge-Level Graph Learning for Distributed Vehicular Networks  
**Authors:** Yang, Xiao; Li, Gaolei; Dong, Mianxiong; Ota, Kaoru; Zhang, Chaofeng; Peng, Xiting; Li, Jianhua  
**Source title:** Proceedings - 2024 IEEE International Symposium on Parallel and Distributed Processing with Applications, ISPA 2024
- 15. Accession number:** 20250517799718  
**Title:** Research on Flow Field Characteristics of SF<sub>6</sub> Gas Nozzle  
**Authors:** Guo, Dongyu; Li, Xiaolong; Wang, Wen; Lin, Xin; Geng, Zhenxin

**Source title:** Proceedings - 2024 International Conference on Electrical Power Systems and Intelligent Control, EPSIC 2024

**16. Accession number:** 20250617814405

**Title:** An Improved DeeplabV3+ Tile Image Positioning Method

**Authors:** Li, Xiaoyang; Wang, Rui; Tong, Xing; Niu, Lianqiang

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