

Title	Author	Source	Accession number
Steaming inspired 3D porous architecture for improving the capability and stability of sulfurized polyacrylonitrile cathode	Song, Yan(1); Lai, Jiangbo(1); Li, Xiuyuan(1); Huo, Jinrong(2); Zhao, Chenxu(1); He, Chaozheng(1)	Materials Letters	20211810278724
Corrigendum to poly(pyrrole-co-styrene sulfonate)-encapsulated MWCNT/Fe - Ni alloy/NiFe ₂ O ₄ nanocomposites for microwave absorption (Materials Chemistry and Physics (2021) 259, (124169) (S0254058420315297), (10.1016/j.matchemphys.2020.124169))	Cao, Yan(1); Mohamed, Abdeliazim Mustafa(2); Mousavi, Mehrnaz(3); Akinay, Yuksel(4)	Materials Chemistry and Physics	20211810278315
A New 2D Porous Pb-MOF Based on RibbonShaped SBU and 2-Nitroimidazole: Structure and Properties	Li, Xiu-Yuan(1); Wang, Ying-Bo(1); Song, Yan(1); Xiang, Dan(2); He, Chaozheng(1)	Journal of Inorganic and Organometallic Polymers and Materials	20211810275098
Sensitive antibody fluorescence immunosorbent assay (SAFIA) for rapid on-site detection on avian influenza virus H9N2 antibody	Wang, Bin(1); Li, Baojie(1); Huang, Huachuan(2); Yang, Shuwei(3); Jian, Dan(1,4); Liu, Jing(1); Yan, Keding(3); Shan, Yanke(1); Wang, Shouyu(1,4); Liu, Fei(1)	Analytica Chimica Acta	20211710268606
Low Cycle Response Analysis of Welded Aluminum Alloy Box Castellated Beam	Li, Chenghua(1); Gao, Yalin(1); Yang, Kaiyuan(1); Wang, Xi(1)	IOP Conference Series: Earth and Environmental Science	20211710267887
Fractional order system modelling with Legendre wavelet multi-resolution analysis	Wang, Zishuo(1); Wang, Chunyang(1,2); Liang, Shuning(1); Niu, Qifeng(1); Ma, Shuai(1)	Transactions of the Institute of Measurement and Control	20211710263277
Phantom Traffic Jam Based on MATLAB	Wang, Luqiao(1); Liang, Xiangyang(1)	Journal of Physics:	20211710261852

		Conference Series	
A Multi-sensor Data Fusion Method for Intelligent Aging Condition Identification of Viscoelastic Sandwich Structure	Qu, Jinxiu(1); Shi, Changquan(2)	IEEE Access	20211710259128
Exporing upconversion luminescence properties of Yb ³⁺ /Er ³⁺ Co-doped SrWO ₄ phosphors: microstructural, morphological and mechanisms	Wu, Kunyao(1,2); Xi, Zengzhe(1); Li, Zhao(2); Lu, Yuanyuan(2); Cao, Jing(2); Wang, Yongfeng(2)	Journal of Materials Science: Materials in Electronics	20211710255030
Method for measuring the coordinates of three projectiles simultaneously based on laser detection	Yang, Jiuqi(1); Dong, Tao(1); Chen, Ding(1)	IAEAC 2021 - IEEE 5th Advanced Information Technology, Electronic and Automation Control Conference	20211710252540
Super-Twisting Sliding Mode Control of Permanent Magnet Synchronous Motor Based on Predictive Adaptive Law	Xu, Chang(1); Wang, Kun(1); Wang, Yue(1); Chen, Chaobo(1); Zhang, Binbin(1,2)	IAEAC 2021 - IEEE 5th Advanced Information Technology, Electronic and Automation Control Conference	20211710252476
Carbon-Coordinated Single Cr Site for Efficient Electrocatalytic N ₂ Fixation	Song, Wei(1); Fu, Ling(2); He, Chaozheng(3,4); Xie, Kun(5)	Advanced Theory and Simulations	20211710251521
Application research of frequency-modulated continuous-wave displacement sensor based on zero-crossing phase detecting algorithm	Sun, Bin(1); Song, Junfang(2); Zheng, Gang(1); Zhang, Xiongxing(1)	International Journal of Optics	20211710250233
Gear mapping technology based on differential envelope principle	Liu, Yangpeng(1); Guo, Jingyang(1); Ding, Jianjun(1,2); Duan, Duanzhi(1); Jiang,	Mathematical Problems in Engineering	20211710246060

	Yuerong(3); Li, Changsheng(1); Zhao, Wei(4); Jiang, Zhuangde(1)		
Effect of preset interfacial ZrB ₂ particles on the microstructure and properties of C/C- AlSi composites	Feng, Wei(1); Tang, Chengwei(1); Liu, Lei(1); Chen, Jian(1); Zhang, Yang(1); Yao, Xiyuan(2); Zuo, Donglin(1); Liu, Feilong(1)	Journal of Composite Materials	20211710243825
A novel directional repairing rGO- Fe_3O_4 /Oil coating with magnetic driving for metal protection and self-healing	Ma, Aijie(1); Wei, Jinming(1,2); Wu, Yinghao(2); Wu, Yangmin(2); Zhao, Wenjie(2)	Chemical Engineering Journal	20211610236829
Construction and Functions of Magnetically Induced Highly Oriented Hydrogels	Luo, Tao(1); Ma, Aijie(1); Bai, Haiyan(1); Cheng, Yongbo(1); Zhou, Hongwei(1)	Cailiao Daobao/Materials Reports	20211610236196
Radar signal processing algorithm and simulation of detection system	Song, Chunhuan(1,2); Qian, Fucai(1,3)	Journal of Intelligent and Fuzzy Systems	20211610235567
Research on electrochemical discharge machining based on image features and SVM algorithm	Bian, Jianxiao(1,2,3); Ma, Baoji(1,3)	Journal of Intelligent and Fuzzy Systems	20211610235470
Research on cargo-loading optimization based on genetic and fuzzy integration	Du, Yanwei(1); Chen, Feng(1); Fan, Xiaoyi(1); Zhang, Lei(1); Liang, Henggang(1)	Journal of Intelligent and Fuzzy Systems	20211610235434
Enhanced thermal stability and large piezoelectric properties of Sm-doped $\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3 - \text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 - \text{PbTiO}_3$ multifunctional ceramics	Zhou, Hongqiao(1); Yang, Shengyu(1); Xi, Zengzhe(1); Dong, Shasha(1); Guo, Feifei(1); Long, Wei(1); Li, Xiaojuan(1); Fang, Pinyang(1); Dai, Zhonghua(2)	Journal of Materials Science	20211610234439
Excellent comprehensive energy storage capabilities achieved in linear polymer composites via inserting acrylic rubber	Chen, Jie(1); Wang, Yifei(2); Chen, Weixing(1)	Journal of Materials Chemistry C	20211610225488

dielectric elastomers			
The role of input gas species to the cathode in the oxygen-ion conducting and proton conducting solid oxide fuel cells and their applications: Comparative 4E analysis	Cao, Yan(1); Dhahad, Hayder A. (2); Sun, Yu-Liang(3); Abdollahi Haghghi, Maghsoud(4, 5); Delpisheh, Mostafa(6); Athari, Hassan(5); Farouk, Naeim(7, 8)	International Journal of Hydrogen Energy	20211610223983
Super short-range magnetic orderings in a multiferroic relaxor ceramic 0.41Bi(Ni1/2Zr1/2)O3 - 0.59PbTiO3	Wei, Yongxing(1); Bai, Chenxing(1); Jin, Changqing(1); Zhu, Weitong(2); Jian, Zengyun(1); Nan, Ruihua(1); Hu, Lin(1); Dai, Zhonghua(3)	Journal of Materials Science	20211610222773
Multi-functional polyurethane composites with self-healing and shape memory properties enhanced by graphene oxide	Luo, Xin(1, 2); Wu, Yuanpeng(1, 2, 3); Guo, Meiling(2); Yang, Xi(2); Xie, Lingyun(2); Lai, Jingjuan(1, 2, 3); Li, Zhenyu(1, 2, 3); Zhou, Hongwei(4)	Journal of Applied Polymer Science	20211610217195
Measurement of three-dimensional displacements by radial shearing interferometer	Wang, Jia(1); Liu, Rong-Ming(1); Wang, Jia-Chao(1); Wu, Shen-Jiang(1)	Wuli Xuebao/Acta Physica Sinica	20211610215970
Computational ghost imaging based on the conditional adversarial network	Liansheng, Sui(1, 2); Liwen, Zhang(1); Ying, Cheng(3); Zhaolin, Xiao(1); Ailing, Tian(4); Anand, Asundi(5)	Optics Communications	20211510213601
Construction of DCM-based NIR fluorescent probe for visualization detection of H2S in solution and nanofibrous film	Jin, Xilang(1); Ma, Xuehao(1); Zhou, Hongwei(1); Chen, Jiawei(1); Li, Minzhi(1); Yang, Jin(1); Bai, Haiyan(1); She, Mengyao(2)	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	20211510212591
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	Nan-Nan(4)		
Research on Surface Quality Difference of Microlens Array Fabricated by Fast Tool Servo Cutting	Huang, Yuetian(1,2); Li, Shijie(1,2); Zhang, Jin(1,2); Yang, Chen(1,2); Kong, Yingxiu(1,2); Liu, Weiguo(1,2)	IEEE Photonics Journal	20211510198252
A Novel Single Gate Driver Circuit for SiC+Si Hybrid Switch with Variable Triggering Pattern	Fu, Yongsheng(1); Ren, Hai-Peng(2)	IEEE Transactions on Power Electronics	20211510198239
Neural simulation and experimental investigation of Chloroquine solubility in supercritical solvent	Cao, Yan(1); Khan, Afrasyab(2); Zabihi, Samyar(3); Albadarin, Ahmad B. (4,5)	Journal of Molecular Liquids	20211510196831
PEM fuel cell cathode-side flow field design optimization based on multi-criteria analysis of liquid-slug dynamics	Cao, Yan(1); Ayed, Hamdi(2,3); Jafarmadar, Samad(4); Abdollahi, Mir Ali Asghar(4); Farag, Ahmed(5); Wae-hayee, Makatar(6); Hashemian, Mehran(4)	Journal of Industrial and Engineering Chemistry	20211510192073
The influence mechanism of MoS ₂ and NiTi microparticles on the friction and wear properties of bearing steel	Liu, Xiyao(1,2); Dong, Hao(1); Lu, Zhiwei(1); Zhang, Jun'an(1); Liu, Bo(1)	Tribology International	20211510191879
Wind speed frequency distribution modeling and wind energy resource assessment based on polynomial regression model	Wang, Lingzhi(1,2,3); Liu, Jun(2); Qian, Fucui(2,4)	International Journal of Electrical Power and Energy Systems	20211510188729
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A comprehensive optimization of phase change material in hybrid application with solar chimney and photovoltaic panel for	Cao, Yan(1); Pourhedayat, Samira(2); Dizaji, Hamed Sadighi(2); Wae-hayee, Makatar(3)	Building and Environment	20211510187794

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Balwin-Teaching-Learning-Based Artificial Raindrop Algorithm for UAV Route Planning	Xin, Bin(1); Wang, Fan(1); Zhai, Zhibo(2)	Mathematical Problems in Engineering	20211510186792
The flame propagation characteristics and detonation parameters of ammonia/oxygen in a large-scale horizontal tube: As a carbon-free fuel and hydrogen-energy carrier	Q., Jing; J., Huang; Q., Liu; D., wang; X., Chen; Z., Wang; C., Liu	International Journal of Hydrogen Energy	20211410183508
Spectral response and structural analyses of reactively sputtered molybdenum oxides for selective solar absorption	Wang, Wei(1,2); Huan, Xi(1); Li, Yuhan(1)	Ceramics International	20211410183347
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Research on flow field visualization technology based on wave propagation model	Guo-Sheng, Qin(1); Rong-Ming, Liu(2); Jia, Wang(3); Jia-Chao, Wang(3); Yan, Cao(2); Shen-Jiang, Wu(3)	Proceedings of SPIE - The International Society for Optical Engineering	20211410174138
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deposition-prepared Al ₂ O ₃ / β-Ga ₂ O ₃ heterojunction interface by deposition temperature	Linpeng(1); Liu, Weiguo(1); Song, Shigeng(3); Liu, Wenjun(2)	and Technology A: Vacuum, Surfaces and Films	
Progress and perspectives of 2D materials as anodes for potassium-ion batteries	Zhang, Chenchen(1, 2); Pan, Hongge(3); Sun, Lixian(1, 2, 3); Xu, Fen(2); Ouyang, Yifang(1); Rosei, Federico(4)	Energy Storage Materials	20211410167223
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A Novel Perovskite Electron - Ion Conductive Coating to Simultaneously Enhance Cycling Stability and Rate Capability of $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_2$ Cathode Material for Lithium-Ion Batteries	Gao, Mingxi(1); Yan, Chenhui(1); Shao, Qinong(1); Chen, Jian(2); Zhang, Chenyang(3); Chen, Gairong(3); Jiang, Yinzhu(1); Zhu, Tiejun(1); Sun, Wenping(1); Liu, Yongfeng(1); Gao, Mingxia(1); Pan, Hongge(1)	Small	20211310143834
A Theoretical Evaluation of Possible N_2 Reduction Mechanism on Mo_2B_2	Wang, Jia(1,2); He, Chaozheng(1,2); Huo, Jinrong(3); Fu, Ling(4); Zhao, Chenxu(1,2)	Advanced Theory and Simulations	20211310143494
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Effect of infiltrated eutectic AlSi on the microstructure and properties of C/C composites	Liu, Lei(1); Li, Boyan(1); Guo, Yongchun(1); Yao, Xiyuan(2); Yang, Wei(1); Feng, Wei(1); Chen, Xingyu(1); Wei, Xiaotian(1); Gao, Yu(1)	Journal of Composite Materials	20204409442200