

Title	Author	Source
An integrated neural network model for pupil detection and tracking	Shi, Lu(1); Wang, ChangYuan(1); Tian, Feng(2); Jia, HongBo(3)	Soft Computing
Detecting vulnerability in source code using CNN and LSTM network	Guo, Junjun(1); Wang, Zhengyuan(1); Li, Haonan(1); Xue, Yang(1)	Soft Computing
High-active nanoplates of nitrogen-doped carbon@Mo2C as efficient catalysts in water splitting	Jia, Siqin(1); Wang, Qiguan(1); Chen, Jian(1); Wang, Sumin(1)	Synthetic Metals
Stretchable strain sensor with controllable negative resistance sensitivity coefficient based on patterned carbon nanotubes/silicone rubber composites	Dong, Rong(1); Xie, Jianbing(2)	Micromachines
Thermodynamic and economic assessments and multi-criteria optimization of a novel poly-generation plant using geothermal energy and multi heat recovery technique	Cao, Yan(1); Dhahad, Hayder A. (2); Togun, Hussein(3); Hussen, Hasanen M. (2); Anqi, Ali E. (4); Farouk, Naeim(5,6); Issakhov, Alibek(7,8); feili, Meysam(9)	International Journal of Hydrogen Energy
Bearing fault diagnosis based on optimized variational mode decomposition and 1D convolutional neural networks	Wang, Qinghua(1); Yang, Chenguang(1); Wan, Hongqiang(1); Deng, Donghua(2); Nandi, Asoke K. (3)	Measurement Science and Technology
Dendrite-free zinc anode enabled by zinc-chelating chemistry	Luo, Minghe(1); Wang, Caiyun(1); Lu, Haotian(1); Lu, Yunhao(2); Xu, Ben Bin(3); Sun, Wenping(1); Pan, Hongge(1,4); Yan, Mi(1); Jiang, Yinzhu(1,5)	Energy Storage Materials
Porous Carbon Architecture Assembled by Cross-Linked Carbon Leaves with Implanted Atomic Cobalt for High-Performance Li - S Batteries	Wang, Ruirui(1); Wu, Renbing(1); Ding, Chaofan(1); Chen, Ziliang(1); Xu, Hongbin(1); Liu, Yongfeng(2); Zhang, Jichao(3); Ha, Yuan(1); Fei, Ben(1); Pan, Hongge(2,4)	Nano-Micro Letters
Design of biomass-derived magnetic carbon/polyaniline	Di, Xiaochuang(1); Wang, Yan(1); Lu, Zhao(1);	Journal of Materials

with hierarchical network for superior microwave absorption	Cheng, Runrun(1); Wu, Xinming(1)	Science: Materials in Electronics
E-AlexNet: quality evaluation of strawberry based on machine learning	Ni, Jiangong(1); Gao, Jiyue(1); Li, Juan(2); Yang, Haoyan(3); Hao, Zheng(4); Han, Zhongzhi(1)	Journal of Food Measurement and Characterization
Experimental Study of Seismic Behaviors and Restoring Force Model Research of Corroded Steel Frame Columns Induced by Chloride Ions	Dong, Jinqi(1,2); Zheng, Shansuo(1,2); Zhang, Xiaohui(1,2); Shang, Zhigang(1,2); Liu, Yi(1,2); Wang, Bin(3)	Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/Journal of Tianjin University Science and Technology
Effect of VN and TiB ₂ -TiC _x reinforcement on wear behavior of Al 7075-based composites	Bai, Yaping(1); Wei, Jiale(1); Lei, Naqing(1); Li, Jianping(1); Guo, Yongchun(1); Liu, Mengmeng(1)	Materials
A line laser detection screen design and projectile echo power calculation in detection screen area	Li, Han-shan(1); Zhang, Xiao-qian(1); Zhang, Xue-wei(1); Guo, Quan-min(1)	Defence Technology
Tuning isothermal crystallization kinetics by minor similar solute element substitution in novel La-(AlGa)-C metallic glasses	Xu, Tao(1); Zhang, Leilei(2); Li, Xuan(3); Zhuo, Longchao(4); Jian, Zengyun(1)	International Journal of Chemical Kinetics
Thermal/frictional performance of spiral pipe with ring-shape depression used as in-pond heat exchanger	Cao, Yan(1); Ayed, Hamdi(2); Hashemian, Mehran(3); Issakhov, Alibek(4,5); Wae-hayee, Makatar(6)	Solar Energy
Analysis and optimization of the pilot stage of jet pipe servo valve	Zhang, Ying(1)	Alexandria Engineering Journal
Predicting adsorption behavior and anti-inflammatory activity of naproxen interacting with pure boron	Cao, Yan(1); Khan, Afrasyab(2); Ghorbani Analysis, Fatemeh(3); Mirzaei, Hassan(4);	Journal of Molecular Liquids

nitride and boron phosphide fullerene-like cages	Singla, Preeti(3); Balakheyli, Hanzaleh(3); Soltani, Alireza(3, 5); Aghaei, Mehrdad(3); Azmoodeh, Zivar(3); Aarabi, Mehdi(3); Tavassoli, Samaneh(3)	
Self-supported nanoporous lysozyme/nanocellulose membranes for multifunctional wastewater purification	Huang, Yanan(1); Yang, Peng(2); Yang, Facui(3); Chang, Chunyu(1)	Journal of Membrane Science
Adsorption behavior of uracil on external surface of MgO nanotubes: A new class of hybrid nano-bio materials	Cao, Yan(1); Khan, Afrasyab(2); Javan, M. (3); Baei, Mohammad T. (4); Tazikheh-Lemeski, Elham(5); Azmoodeh, Zivar(6); Soltani, Alireza(7); Heidari, Fatemeh(8); Pishnamazi, Marieh(9); Albadarin, Ahmad B. (10)	Journal of Molecular Liquids
Development of measurement system and analysis method for characterization of linear variable bandpass filters	ZHOU, SHUN(1); SONG, SHIGENG(2, 3); CAI, SIJIA(2); HAN, DAXING(2); WU, ZHENTAO(2); SONG, JIAN(2); LU, BO(2); JIANG, ZHENGPING(2); LOVERING, DAVID(4); LIU, WEIGUO(1); GIBSON, DES(2, 3)	Optics Express
Atomic-Level Modulation of the Interface Chemistry of Platinum-Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics	Zhao, Guoqiang(1); Xia, Lixue(2); Cui, Peixin(3); Qian, Yumin(4); Jiang, Yinzhu(1); Zhao, Yan(2, 5); Pan, Hongge(1, 6); Dou, Shi Xue(7); Sun, Wenping(1)	Nano Letters
Electrical contacts in monolayer Ga ₂ O ₃ field-effect transistors	Dong, Linpeng(1); Zhou, Shun(1); Pu, Kaiwen(2); Yang, Chen(1); Xin, Bin(3); Peng, Bo(2); Liu, Weiguo(1)	Applied Surface Science
Preparations of iron-based alloy coatings on grey cast iron through plasma transfer arc welding	Gao, Pei-hu(1, 2); Chen, Bai-yang(1, 2); Zhang, Bo(1); Yang, Zhong(1, 2); Guo, Yong-chun(1, 2); Li, Jian-ping(1, 2); Liang, Min-xian(1, 2); Li,	Journal of Adhesion Science and Technology

	Quan-Ping(3)	
Statistical properties of a spatiotemporally partially coherent vector cosine-Gaussian-correlated pulsed beam with radial polarization in atmospheric turbulence	Li, Yan(1); Gao, Ming(1); Lv, Hong(1); Wang, Ligu(1); Li, Bin(2); Ren, Shenhe(1); Wu, Pengli(3)	Waves in Random and Complex Media
Effect of Adding AlN Ceramic Particles on the Micromorphology of the Mg17Al12 Phase in Magnesium Alloys	Zhao, Xin(1); Yang, Zhong(1); Dong, Xiongbo(1); Li, Jianping(1); Liang, Minxian(1)	Advanced Engineering Materials
Hybrid Temperature and Strain Dual-parameter Sensor Based on Fiber Bragg Grating and Multi-mode Interference of Hollow-core Fiber	Shen, Jiaxin(1); Wang, Wei(1,2); Zhang, Junying(1,2); Chen, Haibin(1,2); Guo, Zilong(1,2); Zhang, Xiongxing(1,2)	Guangzi Xuebao/Acta Photonica Sinica
Visible DCO-OFDM System Based on LWT	Zhao, Li(1); Dong, Hanghang(1); Zhang, Feng(1)	Guangzi Xuebao/Acta Photonica Sinica
Single solar chimney technology as a natural free ventilator; energy-environmental case study for Hong Kong	Cao, Yan(1); F., Aldawi; N., Sinaga; H., Moria; H.S., Dizaji; M., Wae-hayee	Case Studies in Thermal Engineering
Optimization algorithms for composite beam as smart active control of structures using genetic algorithms	Cao, Yan(1); Zandi, Yousef(2); Gholizadeh, Morteza(2); Fu, Leijie(1); Du, Jiang(1); Qian, Xueming(1); Wang, Zhijie(1); Roco-Videla, Angel(3,4); Selmi, Abdellatif(5,6); Issakhov, Alibek(7,8)	Smart Structures and Systems
Distributed observers design for a class of nonlinear systems to achieve omniscience asymptotically via differential geometry	Xu, Haotian(1,2); Wang, Jingcheng(1,2,3); Wang, Hongyuan(1,2); Wang, Bohui(4)	International Journal of Robust and Nonlinear Control
Low hysteresis and temperature stable electrostrain in 0.97(0.94Na0.5Bi0.5TiO3-0.06BaTiO3)-0.03AgNbO3/xZnO	Zhao, Han(1); Ren, Pengrong(1); Wang, Jiale(1); Wang, Yike(1); Shen, Minghu(1);	Ceramics International

composite ceramics	Liu, Laijun(2); Wang, Xin(3); Dong, Guangzhi(4); Zhao, Gaoyang(1); Hua, Dengxin(1)	
Energy, exergy, exergoenvironmental, and economic assessments of the multigeneration system powered by geothermal energy	Cao, Yan(1); Ehyaei, M. A. (2)	Journal of Cleaner Production
Synthesis and luminescence of Pr ³⁺ -doped Lu ₂ MoO ₆ and Y ₂ MoO ₆ phosphors for white light-emitting diodes	Wu, Kunyao(1,2); Xi, Zengzhe(1); Li, Zhao(2)	Applied Physics A: Materials Science and Processing
Extraction of penicillin G from aqueous solution using a membrane contactor: Numerical investigation	Cao, Yan(1); Khan, Afrasyab(2); Sarkar, Shaheen(3); Albadarin, Ahmad B. (3)	Arabian Journal of Chemistry
Time-resolved radial uniformity of pulse-modulated inductively coupled O ₂ /Ar plasmas	Liu, Wei(1,2); Xue, Chan(3); Gao, Fei(4); Liu, Yong-Xin(4); Wang, You-Nian(4); Zhao, Yong-Tao(2)	Chinese Physics B
Open-circuit fault detection and classification of modular multilevel converters in high voltage direct current systems (Mmc-hvdc) with long short-term memory (lstm) method	Wang, Qinghua(1); Yu, Yuexiao(2,3); Ahmed, Hosameldin O. A. (2); Darwish, Mohamed(2); Nandi, Asoke K. (2)	Sensors
Research on Driver's Cognitive Distraction in Mobile Phone Call Behavior Based on Image Recognition	Cheng, Wen-Dong(1); Fu, Rui(2); Ma, Yong(2); Zhou, Yang(2); Liu, Jing-Kai(1)	Zhongguo Gonglu Xuebao/China Journal of Highway and Transport
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Recognition of electromyographic signal time series on daily hand motions based on long short-term memory network	Hua, Jin(1); Xiao, Qinkun(1); Wang, Li(2); Liu, Yixin(1); Ning, Xuhui(1)	Traitement du Signal

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Accelerating water dissociation kinetics of Ni ₃ N by tuning interfacial orbital coupling	Wu, Yishang(1); Xie, Yufang(1); Niu, Shuwen(1); Zang, Yipeng(1); Cai, Jinyan(1); Bian, Zenan(1); Yin, Xuanwei(1); Fang, Yanyan(1); Sun, Da(1); Niu, Di(1); Lu, Zheng(1); Mosallanezhad, Amirabbas(1); Wang, Huijuan(2); Rao, Dewei(3); Pan, Hongge(4,5); Wang, Gongming(1)	Nano Research

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Fiber-optic whispering-gallery-mode magnetic field sensor based on magnetic fluid infiltrated hollow core fiber	Zhang, Junying(1); Tian, Chen(1); Wang, Ruohui(2); Chen, Haibin(1); Zhang, Xiongxing(1); Guo, Zilong(1); Wang, Wei(1)	Microwave and Optical Technology Letters
Microstructure and tribological properties of sprayed nanostructure Fe-based martensite coating on an aluminum cylinder liner	Liu, Eryong(1); Xue, Yuan(2); Bai, Yaping(3); Pu, Jibin(2); Du, Shuangming(1); Du, Huiling(1)	Industrial Lubrication and Tribology
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Effect of ultrasonic and different modification treatments on the microstructure of cast Al-Si-Cu-Mg-Ni alloy	Wang, Jia(1, 2, 3); Ren, Ziqing(4); Yang, Wei(1, 2, 3); Xia, Feng(1, 2, 3); Duan, Hongbo(1, 2, 3); Guo, Yongchun(1, 2, 3); Li, Jianping(1, 2, 3); Gao, Xusen(1, 2, 3)	Philosophical Magazine
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Thermo-economic investigation and multi-objective optimization of a novel enhanced heat pump system with zeotropic mixture using NSGA-II	Cao, Yan(1); Dhahad, Hayder A. (2); Mohamed, Abdeliazim Mustafa(3); Anqi, Ali E. (4)	Applied Thermal Engineering
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