Wei Guo

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/213067/publications.pdf

Version: 2024-02-01

468 papers	22,017 citations	8755 75 h-index	16183 124 g-index
476 all docs	476 docs citations	476 times ranked	25371 citing authors

#	Article	IF	Citations
1	Systemic Immune-Inflammation Index Predicts Prognosis of Patients after Curative Resection for Hepatocellular Carcinoma. Clinical Cancer Research, 2014, 20, 6212-6222.	7.0	1,012
2	Biomimetic smart nanopores and nanochannels. Chemical Society Reviews, 2011, 40, 2385.	38.1	632
3	High-Performance Ionic Diode Membrane for Salinity Gradient Power Generation. Journal of the American Chemical Society, 2014, 136, 12265-12272.	13.7	462
4	The locust genome provides insight into swarm formation and long-distance flight. Nature Communications, 2014, 5, 2957.	12.8	437
5	Energy Harvesting with Singleâ€Ionâ€Selective Nanopores: A Concentrationâ€Gradientâ€Driven Nanofluidic Power Source. Advanced Functional Materials, 2010, 20, 1339-1344.	14.9	419
6	Asymmetric Ion Transport through Ion-Channel-Mimetic Solid-State Nanopores. Accounts of Chemical Research, 2013, 46, 2834-2846.	15.6	369
7	Circulating stem cell-like epithelial cell adhesion molecule-positive tumor cells indicate poor prognosis of hepatocellular carcinoma after curative resection. Hepatology, 2013, 57, 1458-1468.	7.3	331
8	A Biomimetic Potassium Responsive Nanochannel: G-Quadruplex DNA Conformational Switching in a Synthetic Nanopore. Journal of the American Chemical Society, 2009, 131, 7800-7805.	13.7	316
9	Osmotic Power Generation with Positively and Negatively Charged 2D Nanofluidic Membrane Pairs. Advanced Functional Materials, 2017, 27, 1603623.	14.9	312
10	Gating of Single Synthetic Nanopores by Proton-Driven DNA Molecular Motors. Journal of the American Chemical Society, 2008, 130, 8345-8350.	13.7	295
11	Active droplet sorting in microfluidics: a review. Lab on A Chip, 2017, 17, 751-771.	6.0	250
12	CSP and Takeout Genes Modulate the Switch between Attraction and Repulsion during Behavioral Phase Change in the Migratory Locust. PLoS Genetics, 2011, 7, e1001291.	3.5	245
13	Electrochemical performances investigation of NiS/rGO composite as electrode material for supercapacitors. Nano Energy, 2014, 5, 74-81.	16.0	245
14	Enantioselective Recognition in Biomimetic Single Artificial Nanochannels. Journal of the American Chemical Society, 2011, 133, 7644-7647.	13.7	239
15	Nanofluidics in two-dimensional layered materials: inspirations from nature. Chemical Society Reviews, 2017, 46, 5400-5424.	38.1	233
16	Bioâ€Inspired Twoâ€Dimensional Nanofluidic Generators Based on a Layered Graphene Hydrogel Membrane. Advanced Materials, 2013, 25, 6064-6068.	21.0	232
17	High-Throughput Phenotyping of Sorghum Plant Height Using an Unmanned Aerial Vehicle and Its Application to Genomic Prediction Modeling. Frontiers in Plant Science, 2017, 8, 421.	3.6	198
18	Highly-Efficient Gating of Solid-State Nanochannels by DNA Supersandwich Structure Containing ATP Aptamers: A Nanofluidic IMPLICATION Logic Device. Journal of the American Chemical Society, 2012, 134, 15395-15401.	13.7	197

#	Article	IF	Citations
19	Cs_xWO₃ Nanorods Coated with Polyelectrolyte Multilayers as a Multifunctional Nanomaterial for Bimodal Imagingâ€Guided Photothermal/Photodynamic Cancer Treatment. Advanced Materials, 2017, 29, 1604157.	21.0	178
20	On Plant Detection of Intact Tomato Fruits Using Image Analysis and Machine Learning Methods. Sensors, 2014, 14, 12191-12206.	3.8	177
21	Organosulfides: An Emerging Class of Cathode Materials for Rechargeable Lithium Batteries. Accounts of Chemical Research, 2019, 52, 2290-2300.	15.6	177
22	Modulation of behavioral phase changes of the migratory locust by the catecholamine metabolic pathway. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3882-3887.	7.1	175
23	Current Rectification in Temperatureâ€Responsive Single Nanopores. ChemPhysChem, 2010, 11, 859-864.	2.1	174
24	Electrokinetic Energy Conversion in Selfâ€Assembled 2D Nanofluidic Channels with Janus Nanobuilding Blocks. Advanced Materials, 2017, 29, 1700177.	21.0	170
25	Towards understanding the nanofluidic reverse electrodialysis system: well matched charge selectivity and ionic composition. Energy and Environmental Science, 2011, 4, 2259.	30.8	168
26	Metalâ€Free, Roomâ€Temperature, Radical Alkoxycarbonylation of Aryldiazonium Salts through Visibleâ€Light Photoredox Catalysis. Angewandte Chemie - International Edition, 2015, 54, 2265-2269.	13.8	163
27	Twoâ€Way Nanopore Sensing of Sequenceâ€Specific Oligonucleotides and Smallâ€Molecule Targets in Complex Matrices Using Integrated DNA Supersandwich Structures. Angewandte Chemie - International Edition, 2013, 52, 2007-2011.	13.8	158
28	Illumination invariant segmentation of vegetation for time series wheat images based on decision tree model. Computers and Electronics in Agriculture, 2013, 96, 58-66.	7.7	157
29	CD73 promotes hepatocellular carcinoma progression and metastasis via activating PI3K/AKT signaling by inducing Rap1-mediated membrane localization of P110Î² and predicts poor prognosis. Journal of Hematology and Oncology, 2019, 12, 37.	17.0	150
30	Photo-induced ultrafast active ion transport through graphene oxide membranes. Nature Communications, 2019, 10, 1171.	12.8	146
31	Verticillium dahliae manipulates plant immunity by glycoside hydrolase 12 proteins in conjunction with carbohydrateâ€binding module 1. Environmental Microbiology, 2017, 19, 1914-1932.	3.8	142
32	A biomimetic zinc activated ion channel. Chemical Communications, 2010, 46, 1682.	4.1	138
33	The Role of Ru and RuO₂ in the Catalytic Transfer Hydrogenation of 5â€Hydroxymethylfurfural for the Production of 2,5â€Dimethylfuran. ChemCatChem, 2014, 6, 848-856.	3.7	136
34	Intrinsic and extrinsic size effects in the deformation of amorphous CuZr/nanocrystalline Cu nanolaminates. Acta Materialia, 2014, 80, 94-106.	7.9	135
35	Effects of correlated parameters and uncertainty in electronic-structure-based chemical kinetic modelling. Nature Chemistry, 2016, 8, 331-337.	13.6	131
36	MoO_{3â^'x}quantum dots for photoacoustic imaging guided photothermal/photodynamic cancer treatment. Nanoscale, 2017, 9, 2020-2029.	5.6	131

#	Article	IF	Citations
37	TiO_{2â€“x} Based Nanoplatform for Bimodal Cancer Imaging and NIR-Triggered Chem/Photodynamic/Photothermal Combination Therapy. Chemistry of Materials, 2017, 29, 9262-9274.	6.7	130
38	Global Wheat Head Detection (GWHD) Dataset: A Large and Diverse Dataset of High-Resolution RGB-Labelled Images to Develop and Benchmark Wheat Head Detection Methods. Plant Phenomics, 2020, 2020, 3521852.	5.9	128
39	Concentration-Gradient-Dependent Ion Current Rectification in Charged Conical Nanopores. Langmuir, 2012, 28, 2194-2199.	3.5	127
40	Anomalous Channelâ€Length Dependence in Nanofluidic Osmotic Energy Conversion. Advanced Functional Materials, 2017, 27, 1604302.	14.9	126
41	Construction of Z-scheme MoSe2/CdSe hollow nanostructure with enhanced full spectrum photocatalytic activity. Applied Catalysis B: Environmental, 2019, 244, 76-86.	20.2	122
42	Construct of MoSe2/Bi2Se3 nanoheterostructure: Multimodal CT/PT imaging-guided PTT/PDT/chemotherapy for cancer treating. Biomaterials, 2019, 217, 119282.	11.4	119
43	A Weakly Supervised Deep Learning Framework for Sorghum Head Detection and Counting. Plant Phenomics, 2019, 2019, 1525874.	5.9	114
44	Circulating Tumor Cells from Different Vascular Sites Exhibit Spatial Heterogeneity in Epithelial and Mesenchymal Composition and Distinct Clinical Significance in Hepatocellular Carcinoma. Clinical Cancer Research, 2018, 24, 547-559.	7.0	112
45	Asymmetric properties of ion transport in a charged conical nanopore. Physical Review E, 2007, 75, 051201.	2.1	111
46	Back Propagation neural network modeling for warpage prediction and optimization of plastic products during injection molding. Materials & Design, 2011, 32, 1844-1850.	5.1	110
47	Integrating Ionic Gate and Rectifier Within One Solidâ€State Nanopore via Modification with Dualâ€Responsive Copolymer Brushes. Advanced Functional Materials, 2010, 20, 3561-3567.	14.9	108
48	The Cardioprotective Effects of Hydrogen Sulfide in Heart Diseases: From Molecular Mechanisms to Therapeutic Potential. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-13.	4.0	107
49	Understanding the Giant Gap between Singleâ€Poreâ€•and Membraneâ€Based Nanofluidic Osmotic Power Generators. Small, 2019, 15, e1804279.	10.0	106
50	Nanoscale tomography reveals the deactivation of automotive copper-exchanged zeolite catalysts. Nature Communications, 2017, 8, 1666.	12.8	105
51	A Perspective on Energy Densities of Rechargeable Liâ€S Batteries and Alternative Sulfurâ€Based Cathode Materials. Energy and Environmental Materials, 2018, 1, 20-27.	12.8	104
52	Bioinspired Energy Conversion in Nanofluidics: A Paradigm of Material Evolution. Advanced Materials, 2017, 29, 1702773.	21.0	103
53	Circulating Tumor Cells with Stem-Like Phenotypes for Diagnosis, Prognosis, and Therapeutic Response Evaluation in Hepatocellular Carcinoma. Clinical Cancer Research, 2018, 24, 2203-2213.	7.0	102
54	On the Origin of Ion Selectivity in Ultrathin Nanopores: Insights for Membraneâ€Scale Osmotic Energy Conversion. Advanced Functional Materials, 2018, 28, 1804189.	14.9	101

#	Article	IF	Citations
55	General One-Pot Template-Free Hydrothermal Method to Metal Oxide Hollow Spheres and Their Photocatalytic Activities and Lithium Storage Properties. ACS Applied Materials & Interfaces, 2013, 5, 9095-9100.	8.0	100
56	Clinical Significance of EpCAM mRNA-Positive Circulating Tumor Cells in Hepatocellular Carcinoma by an Optimized Negative Enrichment and qRT-PCRâ€“Based Platform. Clinical Cancer Research, 2014, 20, 4794-4805.	7.0	99
57	Bismuth Ferriteâ€Based Nanoplatform Design: An Ablation Mechanism Study of Solid Tumor and NIRâ€Triggered Photothermal/Photodynamic Combination Cancer Therapy. Advanced Functional Materials, 2018, 28, 1706827.	14.9	99
58	Highâ€Temperature Gating of Solidâ€State Nanopores with Thermoâ€Responsive Macromolecular Nanoactuators in Ionic Liquids. Advanced Materials, 2012, 24, 962-967.	21.0	98
59	Comparison of ground cover estimates from experiment plots in cotton, sorghum and sugarcane based on images and ortho-mosaics captured by UAV. Functional Plant Biology, 2017, 44, 169.	2.1	98
60	miRNA-30 Family Inhibition Protects Against Cardiac Ischemic Injury by Regulating Cystathionine-Î³-Lyase Expression. Antioxidants and Redox Signaling, 2015, 22, 224-240.	5.4	96
61	Automated characterization of flowering dynamics in rice using field-acquired time-series RGB images. Plant Methods, 2015, 11, 7.	4.3	92
62	On the Origin of Ionic Rectification in DNA-Stuffed Nanopores: The Breaking and Retrieving Symmetry. Journal of the American Chemical Society, 2017, 139, 18739-18746.	13.7	92
63	Learning from Nature: Binary Cooperative Complementary Nanomaterials. Small, 2015, 11, 1072-1096.	10.0	88
64	Hydrogen sulfide attenuates cardiac dysfunction in a rat model of heart failure: a mechanism through cardiac mitochondrial protection. Bioscience Reports, 2011, 31, 87-98.	2.4	86
65	Template-free facile preparation of monoclinic WO3 nanoplates and their high photocatalytic activities. Applied Surface Science, 2014, 305, 274-280.	6.1	84
66	Juvenile Hormone-Receptor Complex Acts on Mcm4 and Mcm7 to Promote Polyploidy and Vitellogenesis in the Migratory Locust. PLoS Genetics, 2014, 10, e1004702.	3.5	83
67	Structural damage and phase stability of Al0.3CoCrFeNi high entropy alloy under high temperature ion irradiation. Acta Materialia, 2020, 188, 1-15.	7.9	83
68	A Comparison of Chemoembolization Combination With and Without Radiotherapy for Unresectable Hepatocellular Carcinoma. Cancer Journal (Sudbury, Mass), 2004, 10, 307-316.	2.0	82
69	WO_{3â^'x}sensitized TiO₂spheres with full-spectrum-driven photocatalytic activities from UV to near infrared. Nanoscale, 2016, 8, 17828-17835.	5.6	82
70	Robust ferroelectricity in two-dimensional SbN and BiP. Nanoscale, 2018, 10, 7984-7990.	5.6	82
71	Ultralow-temperature photochemical synthesis of atomically dispersed Pt catalysts for the hydrogen evolution reaction. Chemical Science, 2019, 10, 2830-2836.	7.4	82
72	Characterization of Small Interfering RNAs Derived from the Geminivirus/Betasatellite Complex Using Deep Sequencing. PLoS ONE, 2011, 6, e16928.	2.5	81

#	Article	IF	Citations
73	Hydrogen sulfide and translational medicine. Acta Pharmacologica Sinica, 2013, 34, 1284-1291.	6.1	80
74	Growth of Highly Nitrogen-Doped Amorphous Carbon for Lithium-ion Battery Anode. Electrochimica Acta, 2016, 188, 414-420.	5.2	79
75	Biodegradable Mesoporous Silica Achieved via Carbon Nanodots-Incorporated Framework Swelling for Debris-Mediated Photothermal Synergistic Immunotherapy. Nano Letters, 2019, 19, 8409-8417.	9.1	79
76	Asymmetric Electrokinetic Proton Transport through 2D Nanofluidic Heterojunctions. ACS Nano, 2019, 13, 4238-4245.	14.6	79
77	S-Propargyl-Cysteine, a Novel Water-Soluble Modulator of Endogenous Hydrogen Sulfide, Promotes Angiogenesis Through Activation of Signal Transducer and Activator of Transcription 3. Antioxidants and Redox Signaling, 2014, 20, 2303-2316.	5.4	76
78	Spray-Deposition and Photopolymerization of Organicâ€“Inorganic Thiolâ€“ene Resins for Fabrication of Superamphiphobic Surfaces. ACS Applied Materials & Interfaces, 2014, 6, 10763-10774.	8.0	76
79	Targetâ€Specific 3D DNA Gatekeepers for Biomimetic Nanopores. Advanced Materials, 2015, 27, 2090-2095.	21.0	76
80	Target Delivery of a Novel Antitumor Organoplatinum(IV)â€Substituted Polyoxometalate Complex for Safer and More Effective Colorectal Cancer Therapy In Vivo. Advanced Materials, 2016, 28, 7397-7404.	21.0	76
81	De Novo Synthesis of Î³,Î³â€Disubstituted Butyrolactones through a Visible Light Photocatalytic Arylationâ€“Lactonization Sequence. Advanced Synthesis and Catalysis, 2014, 356, 2787-2793.	4.3	74
82	Hierarchical porous NiCo2S4 hexagonal plates: Formation via chemical conversion and application in high performance supercapacitors. Electrochimica Acta, 2014, 144, 16-21.	5.2	74
83	Aerial Imagery Analysis â€“ Quantifying Appearance and Number of Sorghum Heads for Applications in Breeding and Agronomy. Frontiers in Plant Science, 2018, 9, 1544.	3.6	74
84	Seasonal variation in sources and processing of particulate organic carbon in the Pearl River estuary, South China. Estuarine, Coastal and Shelf Science, 2015, 167, 540-548.	2.1	73
85	Multifunctional Theranostic Agent of Cu₂(OH)PO₄ Quantum Dots for Photoacoustic Image-Guided Photothermal/Photodynamic Combination Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 9348-9358.	8.0	72
86	Hydrogen Sulfide as an Endogenous Modulator in Mitochondria and Mitochondria Dysfunction. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-9.	4.0	71
87	Targeting tumour microenvironment by tyrosine kinase inhibitor. Molecular Cancer, 2018, 17, 43.	19.2	71
88	Shear-Induced Mixing Governs Codeformation of Crystalline-Amorphous Nanolaminates. Physical Review Letters, 2014, 113, 035501.	7.8	70
89	Patched bimetallic surfaces are active catalysts for ammonia decomposition. Nature Communications, 2015, 6, 8619.	12.8	70
90	Lightâ€Driven Active Proton Transport through Photoacidâ€•and Photobaseâ€Doped Janus Graphene Oxide Membranes. Advanced Materials, 2019, 31, e1903029.	21.0	70

#	Article	IF	Citations
91	Water Transport and Purification in Nanochannels Controlled by Asymmetric Wettability. Small, 2011, 7, 2225-2231.	10.0	69
92	Association of preoperative EpCAM Circulating Tumor Cells and peripheral Treg cell levels with early recurrence of hepatocellular carcinoma following radical hepatic resection. BMC Cancer, 2016, 16, 506.	2.6	69
93	Phenyl Selenosulfides as Cathode Materials for Rechargeable Lithium Batteries. Advanced Functional Materials, 2018, 28, 1801791.	14.9	66
94	How the geometric configuration and the surface charge distribution influence the ionic current rectification in nanopores. Journal Physics D: Applied Physics, 2007, 40, 7077-7084.	2.8	65
95	On the Structure Sensitivity of Direct NO Decomposition over Low-Index Transition Metal Facets. Topics in Catalysis, 2014, 57, 80-88.	2.8	64
96	Automatic estimation of heading date of paddy rice using deep learning. Plant Methods, 2019, 15, 76.	4.3	64
97	Electricâ€Fieldâ€Induced Ionic Sieving at Planar Graphene Oxide Heterojunctions for Miniaturized Water Desalination. Advanced Materials, 2020, 32, e1903954.	21.0	64
98	Assembly of ultrathin NiOOH nanosheets on electrochemically pretreated glassy carbon electrode for electrocatalytic oxidation of glucose and methanol. Sensors and Actuators B: Chemical, 2017, 240, 398-407.	7.8	63
99	Co_{2.67}S₄-Based Photothermal Membrane with High Mechanical Properties for Efficient Solar Water Evaporation and Photothermal Antibacterial Applications. ACS Applied Materials & Interfaces, 2019, 11, 20820-20827.	8.0	63
100	Mapping Impervious Surface Distribution with Integration of SNNP VIIRS-DNB and MODIS NDVI Data. Remote Sensing, 2015, 7, 12459-12477.	4.0	62
101	Radiation Therapy for Adrenal Gland Metastases from Hepatocellular Carcinoma. Japanese Journal of Clinical Oncology, 2005, 35, 61-67.	1.3	61
102	Dynamic change of the systemic immune inflammation index predicts the prognosis of patients with hepatocellular carcinoma after curative resection. Clinical Chemistry and Laboratory Medicine, 2016, 54, 1963-1969.	2.3	61
103	From Type-II Triply Degenerate Nodal Points and Three-Band Nodal Rings to Type-II Dirac Points in Centrosymmetric Zirconium Oxide. Journal of Physical Chemistry Letters, 2017, 8, 5792-5797.	4.6	61
104	Direct immobilization of an atomically dispersed Pt catalyst by suppressing heterogeneous nucleation at â^'40 Â°C. Journal of Materials Chemistry A, 2019, 7, 25779-25784.	10.3	61
105	Temperature and acidity effects on WO3 nanostructures and gas-sensing properties of WO3 nanoplates. Materials Research Bulletin, 2014, 57, 260-267.	5.2	60
106	The actinobacterium Microbacterium sp. 16SH accepts pBBR1-based pPROBE vectors, forms biofilms, invades roots, and fixes N2 associated with micropropagated sugarcane plants. Applied Microbiology and Biotechnology, 2012, 93, 1185-1195.	3.6	59
107	Research progress on design strategies, synthesis and performance of LiMn₂O₄-based cathodes. RSC Advances, 2015, 5, 105248-105258.	3.6	59
108	Juvenile Hormone Activates the Transcription of Cell-division-cycle 6 (Cdc6) for Polyploidy-dependent Insect Vitellogenesis and Oogenesis. Journal of Biological Chemistry, 2016, 291, 5418-5427.	3.4	59

#	Article	IF	Citations
109	Dysregulated ribonucleoprotein granules promote cardiomyopathy in RBM20 gene-edited pigs. Nature Medicine, 2020, 26, 1788-1800.	30.7	58
110	Intact Detection of Highly Occluded Immature Tomatoes on Plants Using Deep Learning Techniques. Sensors, 2020, 20, 2984.	3.8	58
111	Multifunctional Bismuth Nanoparticles as Theranostic Agent for PA/CT Imaging and NIR Laser-Driven Photothermal Therapy. ACS Applied Nano Materials, 2018, 1, 820-830.	5.0	57
112	Synthesis and electrochemical performances of novel hierarchical flower-like nickel sulfide with tunable number of composed nanoplates. Journal of Power Sources, 2014, 268, 113-120.	7.8	56
113	AC electric field induced droplet deformation in a microfluidic T-junction. Lab on A Chip, 2016, 16, 2982-2986.	6.0	56
114	Bis(aryl) Tetrasulfides as Cathode Materials for Rechargeable Lithium Batteries. Chemistry - A European Journal, 2017, 23, 16941-16947.	3.3	56
115	Circulating CD14⁺HLAâ€ÐR^{â"/low} myeloidâ€derived suppressor cells predicted early recurrence of hepatocellular carcinoma after surgery. Hepatology Research, 2017, 47, 1061-1071.	3.4	56
116	MoS₂-Based multipurpose theranostic nanoplatform: realizing dual-imaging-guided combination phototherapy to eliminate solid tumor via a liquefaction necrosis process. Journal of Materials Chemistry B, 2017, 5, 9015-9024.	5.8	54
117	Rapid Thermal Annealing toward High-Quality 2D Cobalt Fluoride Oxide as an Advanced Oxygen Evolution Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 6905-6913.	6.7	54
118	Transitions induced by time delays and cross-correlated sine-Wiener noises in a tumorâ€"immune system interplay. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1270-1280.	2.6	53
119	Thermoperiodic acclimations enhance cold hardiness of the eggs of the migratory locust. Cryobiology, 2006, 53, 206-217.	0.7	52
120	EasyPCC: Benchmark Datasets and Tools for High-Throughput Measurement of the Plant Canopy Coverage Ratio under Field Conditions. Sensors, 2017, 17, 798.	3.8	52
121	Characterization of peach tree crown by using high-resolution images from an unmanned aerial vehicle. Horticulture Research, 2018, 5, 74.	6.3	52
122	Prediction of warpage in plastic injection molding based on design of experiments. Journal of Mechanical Science and Technology, 2012, 26, 1133-1139.	1.5	51
123	Anomalous Poreâ€Ðensity Dependence in Nanofluidic Osmotic Power Generation. Chinese Journal of Chemistry, 2018, 36, 417-420.	4.9	51
124	Complete Blood Count Reference Intervals for Healthy Han Chinese Adults. PLoS ONE, 2015, 10, e0119669.	2.5	50
125	Language and Competition: Communication Vagueness, Interpretation Difficulties, and Market Entry. Academy of Management Journal, 2017, 60, 2073-2098.	6.3	50
126	Photo-switchable two-dimensional nanofluidic ionic diodes. Chemical Science, 2017, 8, 4381-4386.	7.4	50

#	Article	IF	Citations
127	Layer-by-layer removal of insulating few-layer mica flakes for asymmetric ultra-thin nanopore fabrication. Nano Research, 2012, 5, 99-108.	10.4	49
128	Surface Ti³⁺/ Ti⁴⁺ Redox Shuttle Enhancing Photocatalytic H₂ Production in Ultrathin TiO₂ Nanosheets/CdSe Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 27053-27059.	3.1	49
129	Mixture is better: enhanced electrochemical performance of phenyl selenosulfide in rechargeable lithium batteries. Chemical Communications, 2018, 54, 8873-8876.	4.1	49
130	Systematic investigation on the gas-sensing performance of TiO 2 nanoplate sensors for enhanced detection on toxic gases. Materials Research Bulletin, 2016, 73, 302-307.	5.2	48
131	Negative Pressure Induced Droplet Generation in a Microfluidic Flow-Focusing Device. Analytical Chemistry, 2017, 89, 4387-4391.	6.5	48
132	Visible-light-induced photocatalytic formyloxylation reactions of 3-bromooxindoles with water and DMF: the scope and mechanism. Green Chemistry, 2014, 16, 3787-3795.	9.0	47
133	Application of the albumin-bilirubin grade for predicting prognosis after curative resection of patients with early-stage hepatocellular carcinoma. Clinica Chimica Acta, 2016, 462, 15-22.	1.1	47
134	Hydrophobic Cu₁₂Sb₄S₁₃-deposited photothermal film for interfacial water evaporation and thermal antibacterial activity. New Journal of Chemistry, 2018, 42, 3175-3179.	2.8	47
135	Active learning with point supervision for cost-effective panicle detection in cereal crops. Plant Methods, 2020, 16, 34.	4.3	47
136	MiR-1297 Regulates the Growth, Migration and Invasion of Colorectal Cancer Cells by Targeting Cyclo-oxygenase-2. Asian Pacific Journal of Cancer Prevention, 2014, 15, 9185-9190.	1.2	46
137	Prognostic factors for patients with hepatocellular carcinoma with macroscopic portal vein or inferior vena cava tumor thrombi receiving externalâ€beam radiation therapy. Cancer Science, 2008, 99, 2510-2517.	3.9	45
138	Synthesis and Characterization of New â€œBCNâ€•Diamond under High Pressure and High Temperature Conditions. Crystal Growth and Design, 2011, 11, 1006-1014.	3.0	45
139	A general strategy to simulate osmotic energy conversion in multi-pore nanofluidic systems. Materials Chemistry Frontiers, 2018, 2, 935-941.	5.9	45
140	SCM-198 attenuates early atherosclerotic lesions in hypercholesterolemic rabbits via modulation of the inflammatory and oxidative stress pathways. Atherosclerosis, 2012, 224, 43-50.	0.8	44
141	Apolipoprotein A1: a novel serum biomarker for predicting the prognosis of hepatocellular carcinoma after curative resection. Oncotarget, 2016, 7, 70654-70668.	1.8	44
142	Novel NiAl-strengthened high entropy alloys with balanced tensile strength and ductility. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 636-647.	5.6	44
143	Non-associative phase separation in an evaporating droplet as a model for prebiotic compartmentalization. Nature Communications, 2021, 12, 3194.	12.8	44
144	UAS-Based Plant Phenotyping for Research and Breeding Applications. Plant Phenomics, 2021, 2021, 9840192.	5.9	44

#	Article	IF	Citations
145	An Enzyme-Responsive Controlled Release System of Mesoporous Silica Coated with Konjac Oligosaccharide. Langmuir, 2014, 30, 243-249.	3.5	43
146	Deciphering hepatocellular carcinoma through metabolomics: from biomarker discovery to therapy evaluation. Cancer Management and Research, 2018, Volume 10, 715-734.	1.9	43
147	Chemical characterization and source analysis of water-soluble inorganic ions in PM2.5 from a plateau city of Kunming at different seasons. Atmospheric Research, 2020, 234, 104687.	4.1	43
148	Deep sequencing analysis of transcriptomes in Aspergillus flavus in response to resveratrol. BMC Microbiology, 2015, 15, 182.	3.3	42
149	Lipid biomarkers in suspended particulate matter and surface sediments in the Pearl River Estuary, a subtropical estuary in southern China. Science of the Total Environment, 2019, 646, 416-426.	8.0	42
150	Protective Effects of Hydrogen Sulfide in Hypoxic Human Umbilical Vein Endothelial Cells: A Possible Mitochondria-Dependent Pathway. International Journal of Molecular Sciences, 2013, 14, 13093-13108.	4.1	41
151	Comparative transcript profiling of resistant and susceptible peanut post-harvest seeds in response to aflatoxin production by Aspergillus flavus. BMC Plant Biology, 2016, 16, 54.	3.6	41
152	Highly Efficient Ionic Photocurrent Generation through WS₂â€Based 2D Nanofluidic Channels. Small, 2019, 15, e1905355.	10.0	41
153	Pixel size of aerial imagery constrains the applications of unmanned aerial vehicle in crop breeding. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 1-9.	11.1	41
154	Shape-preserving machining produces gradient nanolaminate medium entropy alloys with high strain hardening capability. Acta Materialia, 2019, 170, 176-186.	7.9	41
155	The Influence of Local Distortions on Proton Mobility in Acceptor Doped Perovskites. Chemistry of Materials, 2018, 30, 4919-4925.	6.7	40
156	Argonaute 1 is indispensable for juvenile hormone mediated oogenesis in the migratory locust, Locusta migratoria. Insect Biochemistry and Molecular Biology, 2013, 43, 879-887.	2.7	39
157	Effects of Nano-CaCO3 Content on the Crystallization, Mechanical Properties, and Cell Structure of PP Nanocomposites in Microcellular Injection Molding. Polymers, 2018, 10, 1160.	4.5	39
158	The functional roles of exosomes-derived long non-coding RNA in human cancer. Cancer Biology and Therapy, 2019, 20, 583-592.	3.4	38
159	pH-responsive controlled-release system based on mesoporous bioglass materials capped with mineralized hydroxyapatite. Materials Science and Engineering C, 2014, 36, 237-243.	7.3	37
160	Variation in fungal microbiome (mycobiome) and aflatoxin in stored in-shell peanuts at four different areas of China. Frontiers in Microbiology, 2015, 6, 1055.	3.5	37
161	Patients carrying CYP2C19 loss of function alleles have a reduced response to clopidogrel therapy and a greater risk of in-stent restenosis after endovascular treatment of lower extremity peripheral arterial disease. Journal of Vascular Surgery, 2014, 60, 993-1001.	1.1	36
162	Atherosclerosis and the Hydrogen Sulfide Signaling Pathway â€“ Therapeutic Approaches to Disease Prevention. Cellular Physiology and Biochemistry, 2017, 42, 859-875.	1.6	36

#	Article	IF	Citations
163	Atom Probe Tomography Unveils Formation Mechanisms of Wear-Protective Tribofilms by ZDDP, Ionic Liquid, and Their Combination. ACS Applied Materials & Interfaces, 2017, 9, 23152-23163.	8.0	34
164	Maximizing the utility of single atom electrocatalysts on a 3D graphene nanomesh. Journal of Materials Chemistry A, 2019, 7, 15575-15579.	10.3	34
165	Defect enhanced CoP/Reduced graphene oxide electrocatalytic hydrogen production with pt-like activity. Applied Catalysis B: Environmental, 2020, 265, 118576.	20.2	34
166	Leonurine-cysteine analog conjugates as a new class of multifunctional anti-myocardial ischemia agent. European Journal of Medicinal Chemistry, 2011, 46, 3996-4009.	5.5	33
167	P(EO-co-LLA) functionalized Fe₃O₄@mSiO₂ nanocomposites for thermo/pH responsive drug controlled release and hyperthermia. Dalton Transactions, 2014, 43, 18056-18065.	3.3	33
168	Functional Genomic Analysis of Aspergillus flavus Interacting with Resistant and Susceptible Peanut. Toxins, 2016, 8, 46.	3.4	33
169	Improving Fractional Impervious Surface Mapping Performance through Combination of DMSP-OLS and MODIS NDVI Data. Remote Sensing, 2017, 9, 375.	4.0	33
170	Molecular Characterization of Tomato Leaf Curl China Virus, Infecting Tomato Plants in China, and Functional Analyses of Its Associated Betasatellite. Applied and Environmental Microbiology, 2011, 77, 3092-3101.	3.1	32
171	RBM20, a potential target for treatment of cardiomyopathy via titin isoform switching. Biophysical Reviews, 2018, 10, 15-25.	3.2	32
172	Rational Design of Superhydrophilic/Superoleophobic Surfaces for Oilâ€“Water Separation via Thiolâ€“Acrylate Photopolymerization. ACS Omega, 2018, 3, 10278-10285.	3.5	32
173	ZYZ-803 Mitigates Endoplasmic Reticulum Stress-Related Necroptosis after Acute Myocardial Infarction through Downregulating the RIP3-CaMKII Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-18.	4.0	32
174	Rivalsâ€™ Negative Earnings Surprises, Language Signals, and Firmsâ€™ Competitive Actions. Academy of Management Journal, 2020, 63, 637-659.	6.3	32
175	Controllable etching of heavy ion tracks with organic solvent addition in etchant. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3095-3099.	1.4	31
176	Design Principles of Heteroepitaxial Bimetallic Catalysts. ACS Catalysis, 2013, 3, 2248-2255.	11.2	31
177	Two-dimensional ion channel based soft-matter piezoelectricity. Science China Materials, 2014, 57, 2-6.	6.3	31
178	Minimization of sink mark depth in injection-molded thermoplastic through design of experiments and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2014, 72, 365-375.	3.0	31
179	High-response H₂S sensor based on ZnO/SnO₂ heterogeneous nanospheres. RSC Advances, 2016, 6, 15048-15053.	3.6	31
180	Electrokinetically Controlled Asymmetric Ion Transport through 1D/2D Nanofluidic Heterojunctions. Advanced Materials Technologies, 2019, 4, 1800742.	5.8	31

#	Article	IF	Citations
181	Selenium Nanocomposite Cathode with Long Cycle Life for Rechargeable Lithiumâ€Selenium Batteries. Batteries and Supercaps, 2019, 2, 784-791.	4.7	31
182	The structure-stabilized Co3O4@Co9S8 core-shell nanorods synthesized by in-situ sulfuration of Co3O4 for high-performance supercapacitors. Journal of Alloys and Compounds, 2021, 865, 158296.	5.5	31
183	Molecular Variation of Satellite DNAÎ² Molecules Associated with Malvastrum yellow vein virus and Their Role in Pathogenicity. Applied and Environmental Microbiology, 2008, 74, 1909-1913.	3.1	30
184	Tuning surface wettability through supramolecular interactions. Soft Matter, 2011, 7, 1638.	2.7	30
185	Large-Scale Transcriptome Analysis of Retroelements in the Migratory Locust, Locusta migratoria. PLoS ONE, 2012, 7, e40532.	2.5	30
186	First Definition of Reference Intervals of Liver Function Tests in China: A Large-Population-Based Multi-Center Study about Healthy Adults. PLoS ONE, 2013, 8, e72916.	2.5	30
187	MiR-125b-5p is involved in oxygen and glucose deprivation injury in PC-12 cells via CBS/H 2 S pathway. Nitric Oxide - Biology and Chemistry, 2018, 78, 11-21.	2.7	30
188	Yolk-like non-stoichiometric nickel sulfide-based Janus hydrogel photothermal film for enhanced solar-driven water evaporation and multi-media purification. Journal of Colloid and Interface Science, 2022, 607, 1446-1456.	9.4	30
189	Garlic virus X11â€kDa protein granules move within the cytoplasm and traffic a host protein normally found in the nucleolus. Molecular Plant Pathology, 2011, 12, 666-676.	4.2	29
190	Photocaged pendent thiol polymer brush surfaces for postpolymerization modifications via thiolâ€click chemistry. Journal of Polymer Science Part A, 2013, 51, 1079-1090.	2.3	29
191	Multiplex picoliter-droplet digital PCR for quantitative assessment of EGFR mutations in circulating cell-free DNA derived from advanced non-small cell lung cancer patients. Molecular Medicine Reports, 2017, 16, 1157-1166.	2.4	29
192	Highly rectified ion transport through 2D WSe2/MoS2 bi-layered membranes. Chinese Chemical Letters, 2018, 29, 892-894.	9.0	29
193	Surface-engineered vanadium nitride nanosheets for an imaging-guided photothermal/photodynamic platform of cancer treatment. Nanoscale, 2019, 11, 1968-1977.	5.6	29
194	Phosphorothioate-Modified AP613-1 Specifically Targets GPC3 when Used for Hepatocellular Carcinoma Cell Imaging. Molecular Therapy - Nucleic Acids, 2018, 13, 376-386.	5.1	28
195	Repression of WT1-Mediated LEF1 Transcription by Mangiferin Governs Î²-Catenin-Independent Wnt Signalling Inactivation in Hepatocellular Carcinoma. Cellular Physiology and Biochemistry, 2018, 47, 1819-1834.	1.6	28
196	Direct imaging of molecular orbitals of metal phthalocyanines on metal surfaces with an O2-functionalized tip of a scanning tunneling microscope. Nano Research, 2011, 4, 523-530.	10.4	27
197	Anti-ischaemic effects of bilobalide on neonatal rat cardiomyocytes and the involvement of the platelet-activating factor receptor. Bioscience Reports, 2011, 31, 439-447.	2.4	27
198	Ionothermal synthesis of mesoporous SnO2 nanomaterials and their gas sensitivity depending on the reducing ability of toxic gases. Physical Chemistry Chemical Physics, 2013, 15, 11221.	2.8	27

#	Article	IF	Citations
199	An integrated chaotic time series prediction model based on efficient extreme learning machine and differential evolution. Neural Computing and Applications, 2016, 27, 883-898.	5.6	27
200	Isolating Clusters of Light Elements in Molecular Sieves with Atom Probe Tomography. Journal of the American Chemical Society, 2018, 140, 9154-9158.	13.7	27
201	A Combined In-Mold Decoration and Microcellular Injection Molding Method for Preparing Foamed Products with Improved Surface Appearance. Polymers, 2019, 11, 778.	4.5	27
202	Simultaneous Quantification of Protein Expression and Modifications by Top-down Targeted Proteomics: A Case of the Sarcomeric Subproteome. Molecular and Cellular Proteomics, 2019, 18, 594-605.	3.8	27
203	Tomato yellow leaf curl Thailand virus-[Y72] from Yunnan is a monopartite begomovirus associated with DNAÎ². Virus Genes, 2009, 38, 328-333.	1.6	26
204	Enhancement of charge transfer between graphene and donorâ€“Ï€-acceptor molecule for ultrahigh sensing performance. Nanoscale, 2017, 9, 16273-16280.	5.6	26
205	Bandgap broadening at grain boundaries in single-layer MoS2. Nano Research, 2018, 11, 6102-6109.	10.4	26
206	On the Role of Heterogeneous Nanopore Junction in Osmotic Power Generation. Chinese Journal of Chemistry, 2019, 37, 469-473.	4.9	26
207	The Impact of Executive Verbal Communication on the Convergence of Investorsâ€™ Opinions. Academy of Management Journal, 2021, 64, 1763-1792.	6.3	26
208	A new SERS substrate of self-assembled monolayer film of gold nanoparticles on silicon wafer for the rapid detection of polycyclic aromatic hydrocarbons. Materials Chemistry and Physics, 2020, 250, 122994.	4.0	26
209	Non-stoichiometric cobalt sulfide nanodots enhance photothermal and chemodynamic therapies against solid tumor. Journal of Colloid and Interface Science, 2021, 600, 390-402.	9.4	26
210	Node Detection and Internode Length Estimation of Tomato Seedlings Based on Image Analysis and Machine Learning. Sensors, 2016, 16, 1044.	3.8	25
211	Application of Serum Annexin A3 in Diagnosis, Outcome Prediction and Therapeutic Response Evaluation for Patients with Hepatocellular Carcinoma. Annals of Surgical Oncology, 2018, 25, 1686-1694.	1.5	25
212	A hybrid back-propagation neural network and intelligent algorithm combined algorithm for optimizing microcellular foaming injection molding process parameters. Journal of Manufacturing Processes, 2020, 50, 528-538.	5.9	25
213	Easy MPE: Extraction of Quality Microplot Images for UAV-Based High-Throughput Field Phenotyping. Plant Phenomics, 2019, 2019, 2591849.	5.9	25
214	Stochastic resonance induced by bounded noise and periodic signal in an asymmetric bistable system. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5305-5310.	2.6	24
215	Exceptionally high cumulative percentage of NUMTs originating from linear mitochondrial DNA molecules in the Hydra magnipapillata genome. BMC Genomics, 2013, 14, 447.	2.8	24
216	Facile solvothermal synthesis of 3D flowerlike Î²-In₂S₃ microspheres and their photocatalytic activity performance. RSC Advances, 2014, 4, 50456-50463.	3.6	24

#	Article	IF	Citations
217	Crystal structures of CRISPR-associated Csx3 reveal a manganese-dependent deadenylation exoribonuclease. RNA Biology, 2015, 12, 749-760.	3.1	24
218	Bi2Te3 nanoflowers assembled of defective nanosheets with enhanced thermoelectric performance. Journal of Alloys and Compounds, 2016, 659, 170-177.	5.5	24
219	Microfluidic Technology for Nucleic Acid Aptamer Evolution and Application. Advanced Biology, 2019, 3, e1900012.	3.0	24
220	Immunomodulatory activity-guided isolation and characterization of a novel polysaccharide from Atractylodis macrocephalae Koidz. International Journal of Biological Macromolecules, 2020, 161, 514-524.	7.5	24
221	Lithium ion detection in liquid with low detection limit by laser-induced breakdown spectroscopy. Applied Optics, 2019, 58, 422.	1.8	24
222	FEM analysis on the effect of cobalt content on thermal residual stress in polycrystalline diamond compact (PDC). Science China: Physics, Mechanics and Astronomy, 2012, 55, 639-643.	5.1	23
223	One-pot synthesis of magnetic, macro/mesoporous bioactive glasses for bone tissue engineering. Science and Technology of Advanced Materials, 2013, 14, 025004.	6.1	23
224	Mechanical exfoliation of track-etched two-dimensional layered materials for the fabrication of ultrathin nanopores. Chemical Communications, 2014, 50, 14149-14152.	4.1	23
225	Structure and dynamics of shear bands in amorphousâ€“crystalline nanolaminates. Scripta Materialia, 2016, 110, 28-32.	5.2	23
226	Mutant Transcriptome Sequencing Provides Insights into Pod Development in Peanut (Arachis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	3.6	23
227	Photoinduced Directional Proton Transport through Printed Asymmetric Graphene Oxide Superstructures: A New Driving Mechanism under Fullâ€Area Light Illumination. Advanced Functional Materials, 2020, 30, 1907549.	14.9	23
228	Lightâ€Powered Directional Nanofluidic Ion Transport in Kirigamiâ€Made Asymmetric Photonicâ€Ionic Devices. Small, 2020, 16, e1905557.	10.0	23
229	High-performance yarn supercapacitor based on directly twisted carbon nanotube@bacterial cellulose membrane. Cellulose, 2020, 27, 7649-7661.	4.9	23
230	Interpreting nanovoids in atom probe tomography data for accurate local compositional measurements. Nature Communications, 2020, 11, 1022.	12.8	23
231	Nanopore-based sensing and analysis: beyond the resistive-pulse method. Science Bulletin, 2015, 60, 491-502.	9.0	22
232	Tailoring lanthanide doping in perovskite CaTiO₃ for luminescence applications. Physical Chemistry Chemical Physics, 2017, 19, 16189-16197.	2.8	22
233	Efficiency relationship between initiation of HNS-IV and nanosecond pulsed laser-driven flyer plates of layered structure. Laser and Particle Beams, 2018, 36, 29-40.	1.0	22
234	Sparse-TDA: Sparse Realization of Topological Data Analysis for Multi-Way Classification. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1403-1408.	5.7	22

#	Article	IF	Citations
235	Neuroprotective Effect of SCM-198 through Stabilizing Endothelial Cell Function. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	4.0	22
236	Optimisation of modulation period of TiO2/Al reactive multilayer films for laser-driven flyer plates. Chemical Engineering Journal, 2019, 360, 1071-1081.	12.7	22
237	Flexible Pt₃Niâ€“S-Deposited Teflon Membrane with High Surface Mechanical Properties for Efficient Solar-Driven Strong Acidic/Alkaline Water Evaporation. ACS Applied Materials & Interfaces, 2020, 12, 27140-27149.	8.0	22
238	Easy domain adaptation method for filling the species gap in deep learning-based fruit detection. Horticulture Research, 2021, 8, 119.	6.3	22
239	Facile fabrication 1D/2D/3D Co3O4 nanostructure in hydrothermal synthesis for enhanced supercapacitor performance. Journal of Energy Storage, 2021, 38, 102586.	8.1	22
240	Seasonal distribution and ecological risk of phthalate esters in surface water and marine organisms of the Bohai Sea. Marine Pollution Bulletin, 2021, 169, 112449.	5.0	22
241	Effect of local metal microstructure on adsorption on bimetallic surfaces: Atomic nitrogen on Ni/Pt(111). Journal of Chemical Physics, 2013, 138, 174702.	3.0	21
242	Simulation of osmotic energy conversion in nanoporous materials: a concise single-pore model. Inorganic Chemistry Frontiers, 2018, 5, 1677-1682.	6.0	21
243	Mitochondria-targeting BODIPY-loaded micelles as novel class of photosensitizer for photodynamic therapy. European Journal of Medicinal Chemistry, 2018, 157, 599-609.	5.5	21
244	Sn_xWO₃ as a theranostic platform for realizing multi-imaging-guided photothermal/photodynamic combination therapy. Nanoscale, 2019, 11, 3300-3310.	5.6	21
245	A covalent organic polymerâ€“TiO2/Ti3C2 heterostructure as nonenzymatic biosensor for voltammetric detection of dopamine and uric acid. Mikrochimica Acta, 2021, 188, 95.	5.0	21
246	High-performance free-standing microbial fuel cell anode derived from Chinese date for enhanced electron transfer rates. Bioresource Technology, 2022, 353, 127151.	9.6	21
247	Angiopoietin-like protein 3 modulates barrier properties of human glomerular endothelial cells through a possible signaling pathway involving phosphatidylinositol-3 kinase/protein kinase B and integrin αVβ3. Acta Biochimica Et Biophysica Sinica, 2008, 40, 459-465.	2.0	20
248	Daphnoretin-induced apoptosis in HeLa cells: a possible mitochondria-dependent pathway. Cytotechnology, 2014, 66, 51-61.	1.6	20
249	Growth Behavior of Initial Product Layer Formed on Mg Alloy Surface Induced by Polyaniline. Journal of the Electrochemical Society, 2015, 162, C294-C301.	2.9	20
250	Au@PVP Core-Shell Nanoparticles Used as Surface-Enhanced Raman Spectroscopic Substrate to Detect Malachite Green. Chinese Journal of Analytical Chemistry, 2016, 44, 1378-1384.	1.7	20
251	Exploring improvement of impervious surface estimation at national scale through integration of nighttime light and Proba-V data. GIScience and Remote Sensing, 2018, 55, 699-717.	5.9	20
252	Multi-scale constitutive modeling of natural fiber fabric reinforced composites. Composites Part A: Applied Science and Manufacturing, 2018, 115, 383-396.	7.6	20

#	Article	IF	Citations
253	PDXliver: a database of liver cancer patient derived xenograft mouse models. BMC Cancer, 2018, 18, 550.	2.6	20
254	Platelet activation status in the diagnosis and postoperative prognosis of hepatocellular carcinoma. Clinica Chimica Acta, 2019, 495, 191-197.	1.1	20
255	Comparative Transcriptional Analysis of Asexual and Sexual Morphs Reveals Possible Mechanisms in Reproductive Polyphenism of the Cotton Aphid. PLoS ONE, 2014, 9, e99506.	2.5	19
256	Synergistic effect of the reducing ability and hydrogen bonds of tested gases: highly orientational CdS dendrite sensors. Journal of Materials Chemistry A, 2014, 2, 1032-1038.	10.3	19
257	Deformation induced alloying in crystalline â€“ metallic glass nano-composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 269-280.	5.6	19
258	Fabrication of AgBr nanomaterials as excellent antibacterial agents. RSC Advances, 2015, 5, 72872-72880.	3.6	19
259	Elevated PIVKA-II is Associated with Early Recurrence and Poor Prognosis in BCLC 0-A Hepatocellular Carcinomas. Asian Pacific Journal of Cancer Prevention, 2014, 15, 6673-6678.	1.2	19
260	CoWO4-x-based nanoplatform for multimode imaging and enhanced photothermal/photodynamic therapy. Chemical Engineering Journal, 2020, 385, 123979.	12.7	18
261	A pH-sensitive controlled dual-drug release from meso-macroporous silica/multilayer-polyelectrolytes coated SBA-15 composites. Journal of Sol-Gel Science and Technology, 2013, 66, 466-471.	2.4	17
262	Self-assembled chiral phosphorus nanotubes from phosphorene: a molecular dynamics study. RSC Advances, 2017, 7, 24647-24651.	3.6	17
263	Urchin-like tungsten suboxide for photoacoustic imaging-guided photothermal and photodynamic cancer combination therapy. New Journal of Chemistry, 2017, 41, 14179-14187.	2.8	17
264	A loop-mediated isothermal amplification (LAMP) assay for the rapid detection of toxigenic Fusarium temperatum in maize stalks and kernels. International Journal of Food Microbiology, 2019, 291, 72-78.	4.7	17
265	Role of <scp>BRD4</scp> phosphorylation in the nucleus accumbens in relapse to cocaineâ€seeking behavior in mice. Addiction Biology, 2020, 25, e12808.	2.6	17
266	CoWO_{4â€“x}-Based Photothermal Membranes for Solar-Driven Water Evaporation and Eutrophic Lake Water Purification. ACS Omega, 2020, 5, 31598-31607.	3.5	17
267	Laterally Heterogeneous 2D Layered Materials as an Artificial Lightâ€Harvesting Proton Pump. Advanced Functional Materials, 2020, 30, 2001549.	14.9	17
268	A simple visible and near-infrared (V-NIR) camera system for monitoring the leaf area index and growth stage of Italian ryegrass. Computers and Electronics in Agriculture, 2018, 144, 314-323.	7.7	17
269	Parental phase status affects the cold hardiness of progeny eggs in locusts. Functional Ecology, 2012, 26, 379-389.	3.6	16
270	Microstructures and wear properties of surface treated Tiâ€“36Nbâ€“2Taâ€“3Zrâ€“0.35O alloy by electron beam melting (EBM). Applied Surface Science, 2015, 357, 2347-2354.	6.1	16

#	Article	IF	Citations
271	M-estimator-based online sequential extreme learning machine for predicting chaotic time series with outliers. Neural Computing and Applications, 2017, 28, 4093-4110.	5.6	16
272	Thermally oxidized synthesis of hierarchical Co3O4@MnO2 nanosheet arrays on nickel foam with enhanced supercapacitor performance. Journal of Alloys and Compounds, 2017, 708, 524-530.	5.5	16
273	Online Sequential Extreme Learning Machine with Generalized Regularization and Adaptive Forgetting Factor for Time-Varying System Prediction. Mathematical Problems in Engineering, 2018, 2018, 1-22.	1.1	16
274	Electrocoalescence of liquid marbles driven by embedded electrodes for triggering bioreactions. Lab on A Chip, 2019, 19, 3526-3534.	6.0	16
275	Facile synthesis of Ge/C nanocomposite as superior battery anode material. Materials Chemistry and Physics, 2015, 168, 6-9.	4.0	15
276	Buckling Instabilities in Polymer Brush Surfaces via Postpolymerization Modification. Macromolecules, 2017, 50, 8670-8677.	4.8	15
277	Novel rhynchophylline analogues as microvascular relaxation agents for the treatment of microvascular dysfunction caused by diabetes. European Journal of Medicinal Chemistry, 2017, 139, 657-664.	5.5	15
278	Energy analysis and optimization of main hydraulic system in 10,000â€¯kN fine blanking press with simulation and experimental methods. Energy Conversion and Management, 2019, 181, 143-158.	9.2	15
279	Tantalum disulfide quantum dots: preparation, structure, and properties. Nanoscale Research Letters, 2020, 15, 20.	5.7	15
280	Computer Vision with Deep Learning for Plant Phenotyping in Agriculture: A Survey. , 2020, , .		15
281	Integration of MnO@graphene with graphene networks towards Li-ion battery anodes. RSC Advances, 2015, 5, 96681-96684.	3.6	14
282	Enzyme-sensitive magnetic coreâ€“shell nanocomposites for triggered drug release. RSC Advances, 2015, 5, 80728-80738.	3.6	14
283	Mechanism of Bubble Formation in a Combined In-Mold Decoration and Microcellular Foaming Injection Molding Process. Fibers and Polymers, 2019, 20, 1526-1537.	2.1	14
284	Weyl Nodal Pointâ€“Line Fermion in Ferromagnetic Eu₅Bi₃. Journal of Physical Chemistry Letters, 2019, 10, 2508-2514.	4.6	14
285	Entropic vibrational resonance. Physical Review E, 2020, 102, 012149.	2.1	14
286	Mapping impervious surface distribution in China using multi-source remotely sensed data. GIScience and Remote Sensing, 2020, 57, 543-552.	5.9	14
287	Investigation on Foamed PP/Nano-CaCO3 Composites in a Combined in-Mold Decoration and Microcellular Injection Molding Process. Polymers, 2020, 12, 363.	4.5	14
288	Robust Surface Reconstruction of Plant Leaves from 3D Point Clouds. Plant Phenomics, 2021, 2021, 3184185.	5.9	14

#	Article	IF	Citations
289	Synthesis of a Coâ€“Sn Alloy-Deposited PTFE Film for Enhanced Solar-Driven Water Evaporation via a Super-Absorbent Polymer-Based â€œWater Pumpâ€•Design. ACS Applied Materials & Interfaces, 2021, 13, 26879-26890.	8.0	14
290	Co-amplification at Lower Denaturation-temperature PCR Combined with Unlabled-probe High-resolution Melting to Detect KRAS Codon 12 and 13 Mutations in Plasma-circulating DNA of Pancreatic Adenocarcinoma Cases. Asian Pacific Journal of Cancer Prevention, 2015, 15, 10647-10652.	1.2	14
291	SPRC protects hypoxia and re-oxygenation injury by improving rat cardiac contractile function and intracellular calcium handling. Nitric Oxide - Biology and Chemistry, 2014, 41, 113-119.	2.7	13
292	Reference Intervals of Serum Sodium, Potassium, and Chlorine in Chinese Han Population and Comparison of Two ISE Methods. Journal of Clinical Laboratory Analysis, 2015, 29, 226-234.	2.1	13
293	Entropic stochastic resonance of a self-propelled Janus particle. European Physical Journal B, 2016, 89, 1.	1.5	13
294	Extremely hard amorphous-crystalline hybrid steel surface produced by deformation induced cementite amorphization. Acta Materialia, 2018, 152, 107-118.	7.9	13
295	Pressure-Driven Filling of Closed-End Microchannel: Realization of Comb-Shaped Transducers for Acoustofluidics. Physical Review Applied, 2018, 10, .	3.8	13
296	Significance of PIVKAâ€‘II levels for predicting microvascular invasion and tumor cell proliferation in Chinese patients with hepatitis B virusâ€‘associated hepatocellular carcinoma. Oncology Letters, 2018, 15, 8396-8404.	1.8	13
297	Contemporary adaptive divergence of plant competitive traits in urban and rural populations and its implication for weed management. Journal of Ecology, 2020, 108, 2521-2530.	4.0	13
298	Gm15575 functions as a ceRNA to up-regulate CCL7 expression through sponging miR-686 in Th17 cells. Molecular Immunology, 2020, 125, 32-42.	2.2	13
299	Investigation on forming defects and crystallization of plastic parts in combined in-mold decoration and microcellular injection molding based on a multiphase flow-solid coupled heat transfer model. International Journal of Heat and Mass Transfer, 2020, 151, 119285.	4.8	13
300	EasyIDP: A Python Package for Intermediate Data Processing in UAV-Based Plant Phenotyping. Remote Sensing, 2021, 13, 2622.	4.0	13
301	Amperometric sensor based on ZIF/g-C3N4/RGO heterojunction nanocomposite for hydrazine detection. Mikrochimica Acta, 2021, 188, 48.	5.0	13
302	Tumorâ€‘Selective Biodegradationâ€‘Regulated Photothermal H₂S Donor for Redox Dyshomeostasisâ€•and Glycolysis Disorderâ€‘Enhanced Theranostics. Small, 2022, 18, e2106168.	10.0	13
303	How Useful Is Image-Based Active Learning for Plant Organ Segmentation?. Plant Phenomics, 2022, 2022, 9795275.	5.9	13
304	Phase Separation in Lean-Grade Duplex Stainless Steel 2101. Jom, 2015, 67, 2216-2222.	1.9	12
305	An innovative sensor for hydroxylamine determination: Using molybdenum hybrid zeolitic imidazolate frameworkâ€“conducting polymer composite as electrocatalyst. Electrochimica Acta, 2019, 327, 134945.	5.2	12
306	Hydrothermal Synthesis of NiCo₂O₄/CoMoO₄ Nanocomposite as a Highâ€‘Performance Electrode Material for Hybrid Supercapacitors. ChemElectroChem, 2019, 6, 4645-4652.	3.4	12

#	Article	IF	Citations
307	Investigation of the Electronic Structure of CdS Nanoparticles with Sum Frequency Generation and Photoluminescence Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 27712-27716.	3.1	12
308	The morphology controlled growth of Co11(HPO3)8(OH)6 on nickel foams for quasi-solid-state supercapacitor applications. CrystEngComm, 2020, 22, 5218-5225.	2.6	12
309	Ultrasensitive broadband photodetectors based on two-dimensional Bi₂O₂Te films. Journal of Materials Chemistry C, 2021, 9, 13713-13721.	5.5	12
310	Precisely Controlled Reactive Multilayer Films with Excellent Energy Release Property for Laser-Induced Ignition. Nanoscale Research Letters, 2019, 14, 301.	5.7	12
311	A 2D/2D NiCo-MOF/Ti₃C₂ heterostructure for the simultaneous detection of acetaminophen, dopamine and uric acid by differential pulse voltammetry. Dalton Transactions, 2021, 50, 16593-16600.	3.3	12
312	A Spaceâ€Time Conversion Vehicle for Programmed Multiâ€Drugs Delivery into Pancreatic Tumor to Overcome Matrix and Reflux Barriers. Advanced Science, 2022, 9, e2200608.	11.2	12
313	Influence of processing parameters on warpage according to the Taguchi experiment. Journal of Mechanical Science and Technology, 2015, 29, 4153-4158.	1.5	11
314	Observation of gold electrode surface response to the adsorption and oxidation of thiocyanate in acidic electrolyte with broadband sum-frequency generation spectroscopy. Vibrational Spectroscopy, 2016, 85, 122-127.	2.2	11
315	N-doped carbon/MoS₂ composites as an excellent battery anode. RSC Advances, 2016, 6, 18583-18586.	3.6	11
316	Multiple magnetoelectric coupling effect in BaTiO3/Sr2CoMoO6 heterostructures. Scientific Reports, 2017, 7, 3856.	3.3	11
317	A new use for an old index: preoperative high-density lipoprotein predicts recurrence in patients with hepatocellular carcinoma after curative resections. Lipids in Health and Disease, 2017, 16, 123.	3.0	11
318	Serum IgG4:IgG Ratio Predicts Recurrence of Patients with Hepatocellular Carcinoma after Curative Resection. Journal of Cancer, 2017, 8, 1338-1346.	2.5	11
319	Using VIIRS-DNB and landsat data for impervious surface area mapping in an arid/semiarid region. Remote Sensing Letters, 2018, 9, 587-596.	1.4	11
320	Microscopic study of thermoelectric In-doped SnTe. Nanotechnology, 2018, 29, 26LT01.	2.6	11
321	Toxicity effects of a novel potent triple reuptake inhibitor, LPM570065, on the fertility and early embryonic development in Sprague-Dawley rats. Regulatory Toxicology and Pharmacology, 2018, 100, 45-51.	2.7	11
322	Theoretical studies of pentazole-based compounds with high detonation performance. Journal of Energetic Materials, 2019, 37, 433-444.	2.0	11
323	Seasonal Control of Water-Soluble Inorganic Ions in PM2.5 from Nanning, a Subtropical Monsoon Climate City in Southwestern China. Atmosphere, 2020, 11, 5.	2.3	11
324	Fieldâ€based individual plant phenotyping of herbaceous species by unmanned aerial vehicle. Ecology and Evolution, 2020, 10, 12318-12326.	1.9	11

#	Article	IF	Citations
325	Wrinkle-induced highly conductive channels in graphene on SiO₂/Si substrates. Nanoscale, 2020, 12, 12038-12045.	5.6	11
326	EasyDCP: An affordable, highâ€throughput tool to measure plant phenotypic traits in 3D. Methods in Ecology and Evolution, 2021, 12, 1679-1686.	5.2	11
327	Deep-Learning-Based Multispectral Image Reconstruction from Single Natural Color RGB Imageâ€"Enhancing UAV-Based Phenotyping. Remote Sensing, 2022, 14, 1272.	4.0	11
328	Differential High-Resolution Melting Analysis for the Detection of K-ras Codons 12 and 13 Mutations in Pancreatic Cancer. Pancreas, 2011, 40, 1283-1288.	1.1	10
329	3,5-Dimethoxy-4-(3-(2-carbonyl-ethyldisulfanyl)-propionyl)-benzoic acid 4-guanidino-butyl ester: A novel twin drug that prevents primary cardiac myocytes from hypoxia-induced apoptosis. European Journal of Pharmacology, 2013, 700, 118-126.	3.5	10
330	Water wettability in nanoconfined environment. Science China: Physics, Mechanics and Astronomy, 2014, 57, 836-843.	5.1	10
331	A new model of geometry-induced stochastic resonance. Europhysics Letters, 2014, 105, 60004.	2.0	10
332	Porous amorphous Ge/C composites with excellent electrochemical properties. RSC Advances, 2015, 5, 28111-28114.	3.6	10
333	A new kind of 2D topological insulators BiCN with a giant gap and its substrate effects. Scientific Reports, 2016, 6, 30003.	3.3	10
334	Post-polymerization modification of styreneâ€"maleic anhydride copolymer brushes. Polymer Chemistry, 2017, 8, 6778-6785.	3.9	10
335	McGET: A rapid image-based method to determine the morphological characteristics of gravels on the Gobi desert surface. Geomorphology, 2018, 304, 89-98.	2.6	10
336	Tuning to the band gap by complex defects engineering: insights from hybrid functional calculations in CuInS₂. Journal Physics D: Applied Physics, 2018, 51, 025105.	2.8	10
337	The present and future of whole-exome sequencing in studying and treating human reproductive disorders. Journal of Genetics and Genomics, 2018, 45, 517-525.	3.9	10
338	Zâ€band and Mâ€band titin splicing and regulation by RNA binding motif 20 in striated muscles. Journal of Cellular Biochemistry, 2018, 119, 9986-9996.	2.6	10
339	Human IL-23R Cytokine-Binding Homology Region-Fc Fusion Protein Ameliorates Psoriasis via the Decrease of Systemic Th17 and ILC3 Cell Responses. International Journal of Molecular Sciences, 2019, 20, 4170.	4.1	10
340	Genotypeâ€aggregated planting improves yield in Jerusalem artichoke (Helianthus tuberosus) due to self/nonâ€selfâ€discrimination. Evolutionary Applications, 2019, 12, 508-518.	3.1	10
341	Multi-objective uncertain optimization with an ellipsoid-based model of a centrally symmetrical square tube with diaphragms for subways. Structural and Multidisciplinary Optimization, 2021, 64, 2789.	3.5	10
342	Inâ€situ Immobilization of a Polyoxometalate <scp>Metalâ€Organic</scp> Framework (<scp>NENU</scp>â€3) on Functionalized Reduced Graphene Oxide for Hydrazine Sensing. Chinese Journal of Chemistry, 2021, 39, 2889-2897.	4.9	10

#	Article	IF	Citations
343	Pharmacological Characterization of Toludesvenlafaxine as a Triple Reuptake Inhibitor. Frontiers in Pharmacology, 2021, 12, 741794.	3.5	10
344	Phosphonic acid loaded covalent imine networks for proton-conducting membranes. Polymer, 2020, 201, 122632.	3.8	10
345	Mean Corpuscular Volume Predicts In-Stent Restenosis Risk for Stable Coronary Artery Disease Patients Receiving Elective Percutaneous Coronary Intervention. Medical Science Monitor, 2019, 25, 3976-3982.	1.1	10
346	Turning waste into treasure: Carbonized walnut shell for solar-driven water evaporation. Materials Letters, 2022, 307, 131057.	2.6	10
347	Screening of transition metal single-atom catalysts supported by a WS₂ monolayer for electrocatalytic nitrogen reduction reaction: insights from activity trend and descriptor. Physical Chemistry Chemical Physics, 2022, 24, 13384-13398.	2.8	10
348	HPHT preparation and Micro-Raman characterization of polycrystalline diamond compact with low residual stress. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1445-1448.	5.1	9
349	Rapid Synthesis of Polymer Brush Surfaces via Microwaveâ€Assisted Surfaceâ€Initiated Radical Polymerization. Macromolecular Rapid Communications, 2012, 33, 863-868.	3.9	9
350	Anomalous diffusion and enhancement of diffusion in a vibrational motor. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P04025.	2.3	9
351	A novel pH-responsive controlled release system based on mesoporous silica coated with hydroxyapatite. Journal of Sol-Gel Science and Technology, 2014, 72, 106-113.	2.4	9
352	Tunable Electronic Structures in Wrinkled 2D Transitionâ€Metalâ€Trichalcogenide (TMT) HfTe₃ Films. Advanced Electronic Materials, 2016, 2, 1600324.	5.1	9
353	Rectified Ion Transport Through 2D Nanofluidic Heterojunctions. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900129.	2.4	9
354	The pretreatment platelet count is an independent predictor of tumor progression in patients undergoing transcatheter arterial chemoembolization with hepatitis B virus-related hepatocellular carcinoma. Future Oncology, 2019, 15, 827-839.	2.4	9
355	The clinical characteristics and prognosis of COVID-19 patients with comorbidities: a retrospective analysis of the infection peak in Wuhan. Annals of Translational Medicine, 2021, 9, 280-280.	1.7	9
356	Fast explosive performance prediction via small-dose energetic materials based on time-resolved imaging combined with machine learning. Journal of Materials Chemistry A, 2022, 10, 13114-13123.	10.3	9
357	Influence of intermediate annealing on final Goss texture formation in low temperature reheated Fe-3%Si steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 931-934.	5.6	8
358	Synthesis of pH-responsive mesoporous silica nanotubes for controlled release. Journal of Sol-Gel Science and Technology, 2014, 69, 364-369.	2.4	8
359	Structural insights into the arms race between host and virus along <scp>RNA</scp> silencing pathways in Arabidopsis thaliana. Biological Reviews, 2014, 89, 337-355.	10.4	8
360	Electrospun In@C nanofibers as a superior Li-ion battery anode. RSC Advances, 2015, 5, 92522-92525.	3.6	8

#	Article	IF	Citations
361	Uphill anomalous transport in a deterministic system with speed-dependent friction coefficient. Chinese Physics B, 2017, 26, 010502.	1.4	8
362	Launch and impact characteristics of typical multi-layered flyers driven by ns-pulsed laser. Optics and Laser Technology, 2019, 120, 105709.	4.6	8
363	Volcano Curves for in Silico Prediction of Mono- and Bifunctional Catalysts: Application to Ammonia Decomposition. Journal of Physical Chemistry C, 2019, 123, 27097-27104.	3.1	8
364	Achieving Highâ€Temperature Stability of Metastable Î±â€MoC 1â€x by Suppressing Phase Transformation with Mounted Atoms for Lithium Storage Performance. Chemistry - an Asian Journal, 2019, 14, 1977-1984.	3.3	8
365	Recent advances of long noncoding RNAs involved in the development of multiple sclerosis. Chinese Journal of Natural Medicines, 2020, 18, 36-46.	1.3	8
366	Pressure-induced novel nitrogen-rich aluminum nitrides: AlN6, Al2N7 and AlN7 with polymeric nitrogen chains and rings. Physical Chemistry Chemical Physics, 2021, 23, 12350-12359.	2.8	8
367	The role of electric field on decomposition of <scp>CL</scp>â€20/<scp>HMX</scp> cocrystal: A reactive molecular dynamics study. Journal of Computational Chemistry, 2021, 42, 2202-2212.	3.3	8
368	A feasible strategy of coating CoMoO₄ on Co₁₁(HPO₃)₈(OH)₆ nanorods for improved practical application in supercapacitors. Sustainable Energy and Fuels, 2021, 6, 209-216.	4.9	8
369	Biodegradation Mn-CoS@carbon di-shell nanoheterostructure with enhanced nanozymeÂmediated phototherapy. , 2022, 136, 212778.		8
370	A New Strategy for Realizing the Conversion of â€œHomoâ€“Heteroâ€“Homoâ€•Heteroepitaxial Growth in Bi₂Te₃ and the Thermoelectric Performance. Chemistry - A European Journal, 2014, 20, 5657-5664.	3.3	7
371	Effects of helix deviation on load distributions and bending stresses of continuous engaged helical gear drives. Advances in Mechanical Engineering, 2015, 7, 168781401558866.	1.6	7
372	Chemically synthesized lithium peroxide composite cathodes for closed system Liâ€“O₂ batteries. Chemical Communications, 2016, 52, 5678-5681.	4.1	7
373	Joining Performance and Microstructure of the 2024/7075 Aluminium Alloys Welded Joints by Vaporizing Foil Actuator Welding. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 368-372.	1.0	7
374	Numerical simulation of the joining interface of dissimilar metals in vaporizing foil actuator welding: Forming mechanism and factors. Journal of Manufacturing Processes, 2020, 60, 654-665.	5.9	7
375	Flower-like droplets obtained by self-emulsification of a phase-separating (SEPS) aqueous film. Soft Matter, 2020, 16, 6050-6055.	2.7	7
376	Antiâ”IL-12/23 p40 antibody attenuates chronic graft-versus-host disease with lupus nephritis via inhibiting Tfh cell in mice. Biomedicine and Pharmacotherapy, 2020, 129, 110396.	5.6	7
377	Cellular structure and mechanical strength of straw fiber/polypropylene plastics under chemical foam molding. Journal of the Textile Institute, 2021, 112, 109-116.	1.9	7
378	The ryanodine receptor stabilizer S107 ameliorates contractility of adult Rbm20 knockout rat cardiomyocytes. Physiological Reports, 2021, 9, e15011.	1.7	7

#	Article	IF	Citations
379	Energetic and entropic vibrational resonance. Chaos, Solitons and Fractals, 2021, 152, 111400.	5.1	7
380	Effect of POE on mechanical properties and cellular structure of PP/Nano-CaCO₃ composites in IMD/MIM process. Materials Research Express, 2020, 7, 095308.	1.6	7
381	A multifunctional hydrogel dressing with antibacterial properties for effective wound healing. Dalton Transactions, 2022, 51, 6817-6824.	3.3	7
382	Growth of flower-like CdSe dendrites from a BrÃ¸nsted acidâ€“base ionic liquid precursor. RSC Advances, 2012, 2, 5944.	3.6	6
383	On factors controlling activity of submonolayer bimetallic catalysts: Nitrogen desorption. Journal of Chemical Physics, 2014, 140, 014703.	3.0	6
384	Effect laws and mechanisms of different temperatures on isothermal tensile fracture morphologies of high-strength boron steel. Journal of Central South University, 2015, 22, 1191-1202.	3.0	6
385	Crystalline TiO2@C nanosheet anode with enhanced rate capability for lithium-ion batteries. RSC Advances, 2015, 5, 98717-98720.	3.6	6
386	VdNop12 , containing two tandem RNA recognition motif domains, is a crucial factor for pathogenicity and cold adaption in Verticillium dahliae. Environmental Microbiology, 2020, 22, 5387-5401.	3.8	6
387	Plasmonic Gold Nanohole Arrays for Surface-Enhanced Sum Frequency Generation Detection. Nanomaterials, 2020, 10, 2557.	4.1	6
388	Colletotrichum species causing leaf spot diseases of Liriope cymbidiomorpha (ined.) in China. Australasian Plant Pathology, 2020, 49, 137-139.	1.0	6
389	The sensitivity determination of energetic materials from laser spark spectrometry based on physical-parameter-corrected statistical methods. Journal of Analytical Atomic Spectrometry, 2021, 36, 2603-2611.	3.0	6
390	Determination of carbohydrate-deficient transferrin in a Han Chinese population. BMC Biochemistry, 2014, 15, 5.	4.4	5
391	Prognostic value of fever grade combined with neutrophil percentage in hepatocellular carcinoma patients presenting fever as the initial manifestation. OncoTargets and Therapy, 2016, Volume 9, 6281-6290.	2.0	5
392	Frequency-domain nonlinear regression algorithm for spectral analysis of broadband SFG spectroscopy. Optics Letters, 2016, 41, 874.	3.3	5
393	Quantifying Strain via Buckling Instabilities in Surface-Modified Polymer Brushes. Macromolecules, 2020, 53, 4552-4559.	4.8	5
394	Effects of self-propulsion, chirality and noise-correlation on the entropic stochastic resonance of an active Brownian particle. Chinese Journal of Physics, 2020, 65, 54-63.	3.9	5
395	Enhancing triethylamine sensing of ZIF-derived ZnO microspheres arising from cobalt doping and defect engineering. Chemosphere, 2022, 291, 132715.	8.2	5
396	Direct coating of cubic boron nitride with titanium powder under high pressure and high temperature. Materials Letters, 2014, 123, 210-213.	2.6	4

#	Article	IF	Citations
397	Synthesis of Cdâ€“Snâ€“SnO2@C heterocomposite anode with superior electrochemical performance. Materials Letters, 2016, 166, 210-214.	2.6	4
398	Pressure-driven filling of liquid metal in closed-end microchannels. Physical Review E, 2018, 98, .	2.1	4
399	Electrochemical behavior of tin foil anode in half cell and full cell with sulfur cathode. Electrochimica Acta, 2019, 294, 60-67.	5.2	4
400	Directly Linking Low-Angle Grain Boundary Misorientation to Device Functionality for GaAs Grown on Flexible Metal Substrates. ACS Applied Materials & Interfaces, 2020, 12, 10664-10672.	8.0	4
401	Neutron diffraction study of crystal structure and temperature driven molecular reorientation in solid Î±-CO. AIP Advances, 2020, 10, 045301.	1.3	4
402	Mapping Impervious Surface Distribution and Dynamics in an Arid/Semiarid Area-A Case Study in Ordos, China. IEEE Access, 2021, 9, 19659-19673.	4.2	4
403	An Efficient Method for Estimating Wheat Heading Dates Using UAV Images. Remote Sensing, 2021, 13, 3067.	4.0	4
404	Semiâ€supervised multiple empirical kernel learning with pseudo empirical loss and similarity regularization. International Journal of Intelligent Systems, 2022, 37, 1674-1696.	5.7	4
405	Roles of Small Molecules in the Stability and Sensitivity of CL-20-Based Hostâ€“Guest Explosives under Electric Fields: A Reactive Molecular Dynamics Study. Journal of Physical Chemistry A, 2022, 126, 286-295.	2.5	4
406	Dynamics and Drivers of Water Clarity Derived from Landsat and In-Situ Measurement Data in Hulun Lake from 2010 to 2020. Water (Switzerland), 2022, 14, 1189.	2.7	4
407	Collective topological active particles: Non-ergodic superdiffusion and ageing in complex environments. Chaos, Solitons and Fractals, 2022, 157, 111935.	5.1	4
408	Hemophagocytosis, hyper-inflammatory responses, and multiple organ damages in COVID-19-associated hyperferritinemia. Annals of Hematology, 2022, 101, 513-520.	1.8	4
409	Effects of leonurine on intracerebral haemorrhage by attenuation of perihematomal edema and neuroinflammation the JNK pathway. Die Pharmazie, 2016, 71, 644-650.	0.5	4
410	Resveratrol-4-O-D-(2â€²-galloyl)-glucopyranoside exerts an anticancer effect on leukemia cells via inducing apoptosis. Molecular Medicine Reports, 2016, 13, 2281-2286.	2.4	3
411	Platelet satellitism around cytoplasmic fragments of neoplastic lymphocytes. Blood, 2018, 131, 2599-2599.	1.4	3
412	Robust adaptive online sequential extreme learning machine for predicting nonstationary data streams with outliers. Journal of Algorithms and Computational Technology, 2019, 13, 174830261989542.	0.7	3
413	Trends of the macroscopic behaviors of energetic compounds: insights from first-principles calculations. Physical Chemistry Chemical Physics, 2019, 21, 24034-24041.	2.8	3
414	Quantum nutcracker for near-room-temperature H2 dissociation. Science Bulletin, 2019, 64, 4-7.	9.0	3

#	Article	IF	Citations
415	Immunomodulatory effects of platelets on the severity of hand, foot, and mouth disease infected with enterovirus 71. Pediatric Research, 2021, 89, 814-822.	2.3	3
416	Thickness-dependent IR distortion from bulk absorption and refraction and its effects on broadband sum frequency generation spectroscopy. Applied Physics Express, 2021, 14, 112001.	2.4	3
417	A three-dimensional viscoelastic analysis of thermoplastic resin matrix composite laminates during hot stamping. Materials Research Express, 2021, 8, 015306.	1.6	3
418	Pressure-driven electronic phase transition in the high-pressure phase of nitrogen-rich 1H-tetrazoles. RSC Advances, 2021, 11, 21507-21513.	3.6	3
419	Variable Stiffness Design and Multiobjective Crashworthiness Optimization for Collision Post of Subway Cab Cars. Machines, 2021, 9, 246.	2.2	3
420	Abnormal spectral bands in broadband sum frequency generation induced by bulk absorption and refraction. Optics Express, 2019, 27, 28564.	3.4	3
421	Regression Analysis and Comparison of Economic Parameters with Different Light Index Models under Various Constraints. Sensors, 2021, 21, 7561.	3.8	3
422	Effects of inorganic particles on the crystallization, mechanical properties and cellular structure of foamed PP composites in the IMD/MIM process. RSC Advances, 2021, 11, 36651-36662.	3.6	3
423	Three-dimensional water evaporator based on carbonized silkworm cocoon for highly effective solar-driven water evaporation and wastewater purification. Materials Letters, 2022, 312, 131661.	2.6	3
424	Novel polymerization of nitrogen in zinc nitrides at high pressures. Journal of Physics Condensed Matter, 2022, 34, 235702.	1.8	3
425	Biomass-based Janus three-dimensional water evaporator for highly effective desalination and wastewater purification. Materials Letters, 2022, 322, 132471.	2.6	3
426	Unlabeled-probe high-resolution melting to detect KRAS codon 12 and 13 mutations in pancreatic adenocarcinoma tissues. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1035-40.	2.3	2
427	Notice of Removal Image-based field plant phenotyping approaches for modern agriculture. , 2015, , .		2
428	Copy Number Variations in Serum Amyloid A Play a Role in the Determination of its Individual Baseline Concentrations. Clinical Chemistry, 2018, 64, 402-404.	3.2	2
429	Automated Characterization of Plant Growth and Flowering Dynamics Using RGB Images. , 2018, , 385-393.		2
430	Hot Straining and Quenching and Partitioning of a TRIP-Assisted Steel: Microstructural Characterization and Mechanical Properties. Materials Science Forum, 2018, 941, 704-710.	0.3	2
431	Growth and stabilization of two-dimensional multiferroics MnI2. Materials Research Express, 2019, 6, 085046.	1.6	2
432	Amorphous polymerization of nitrogen in compressed cupric azide. Journal of Computational Chemistry, 2020, 41, 1026-1033.	3.3	2

#	Article	IF	Citations
433	Metabolomics of Oral/Head and Neck Cancer. Advances in Experimental Medicine and Biology, 2021, 1280, 277-290.	1.6	2
434	High-energy-density polymeric carbon oxide: Layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>y</mml:mi></mml:msub></mml:mrow></mml:math> solids under pressure. Physical Review B, 2021, 104, .	3.2	2
435	ZrS₂ quantum dots: Preparation, structure, and optical properties. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 148501.	0.5	2
436	Effect of olefin block copolymer on the toughness of microcellular polypropylene composite. Materials Research Express, 2022, 9, 035301.	1.6	2
437	Energetic and entropic vibrational resonance with a time-delayed feedback. Chinese Journal of Physics, 2022, 78, 1-12.	3.9	2
438	Rbm20 ablation is associated with changes in the expression of titin-interacting and metabolic proteins. Molecular Omics, 2022, 18, 627-634.	2.8	2
439	Application of Support Vector Machines in the prediction of broken zone in surrounding rock. , 2011, , .		1
440	Short-range ordering of heavy-element columns in nickel-based superalloys. Philosophical Magazine Letters, 2016, 96, 432-439.	1.2	1
441	Improving Li storage through alloying and carbon coating: The case of mixed CoxSny@C. Journal of Alloys and Compounds, 2016, 685, 720-723.	5.5	1
442	Wear analysis of an automotive window regulator slider. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1508-1522.	1.8	1
443	ASO Author Reflections: Annexin A3 as a Potential Biomarker for Hepatocellular Carcinoma. Annals of Surgical Oncology, 2019, 26, 529-530.	1.5	1
444	Decomposition mechanism on different surfaces of copper azide. Journal of Physics Condensed Matter, 2021, 33, 255001.	1.8	1
445	Genome Sequence Resource of Fusarium brachygibbosum Padwick Strain HN-1, a Causal Agent of Maize Stalk Rot Disease. Plant Disease, 2021, , .	1.4	1
446	The Effect of Thalassemia on Erythrocyte Reference Intervals in a Representative Han Chinese Adult Population. Clinical Laboratory, 2015, 61, 405-14.	0.5	1
447	Effective Representation of Three-Dimension Nodules for False-Positive Reduction in Pulmonary Nodule Detection. , 2019, , .		1
448	Study on electrical conductivity and microwave absorption properties of CNTs/CB/PMMA nanocomposites foam. Materials Research Express, 2021, 8, 126301.	1.6	1
449	Rheology investigation of propane gas hydrate crystallization in water/asphaltene-resin-wax deposit emulsions. Journal of Dispersion Science and Technology, 2023, 44, 1637-1646.	2.4	1
450	Computational Screening of Bimetallic Catalysts: Application to Ammonia Decomposition. Journal of Physical Chemistry C, 2022, 126, 192-202.	3.1	1

#	Article	IF	Citations
451	H-BLS: a hierarchical broad learning system with deep and sparse feature learning. Applied Intelligence, 0, , .	5.3	1
452	Polymer molecular morphology in alkali-surfactant-polymer (ASP) ternary composite system and its influence on rock pore structure. Arabian Journal of Geosciences, 2022, 15, .	1.3	1
453	Enhanced Photocatalytic Activity of Nonuniformly Nitrogen-Doped Nb2O5 by Prolonging the Lifetime of Photogenerated Holes. Nanomaterials, 2022, 12, 1690.	4.1	1
454	Endmember-Assisted Camera Response Function Learning, Toward Improving Hyperspectral Image Super-Resolution Performance. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	1
455	Computation of magnetic anomalies and gradients for spatial arbitrary posture regular body. Journal of Earth Science (Wuhan, China), 2009, 20, 995-1002.	3.2	0
456	The Superficial Glia Limitans of Mouse and Monkey Brain and Spinal Cord. Anatomical Record, 2013, 296, C1-C1.	1.4	0
457	Plasma cell myeloma with histiocyte-like morphology. International Journal of Hematology, 2017, 106, 307-309.	1.6	0
458	Development of Data Distribution and Display Methods for Time Series Aerial Drone Images in International Image Interoperability Framework. Agricultural Information Research, 2018, 27, 28-38.	0.2	0
459	Calculations of defect states in various sizes of InN nanowires. Nanotechnology, 2019, 30, 205705.	2.6	0
460	A Visualization System of Ship Navigation Environment Based on OSG. , 2019, , .		0
461	Geometry Based LM of Robot to Imitate Human Motion with Kinect. , 2019, , .		0
462	Cardioprotective Effect of (Z)-2-Acetoxy-3-(3,4-Dihydroxyphenyl) Acrylic Acid: Inhibition of Apoptosis in Cardiomyocytes. Cardiovascular Therapeutics, 2020, 2020, 1-10.	2.5	0
463	Interaction of vector Bose gases with fermionic superfluids. Physical Review B, 2021, 103, .	3.2	0
464	Drainage effect of internal vortex tool based on experiment and numerical simulation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	2.3	0
465	Tutorial: image sensing techniques for field phenotyping. Ikushugaku Kenkyu, 2018, 20, 64-68.	0.3	0
466	Investigation on working principle of pipe string for liquid retention and refoaming in the wellbore of natural gas well with foam drainage gas recovery. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	2.3	0
467	Automated Thalamus Segmentation in MR Images Using Convolutional Networks. , 2020, , .		0
468	Tumorâ€Selective Biodegradationâ€Regulated Photothermal H₂S Donor for Redox Dyshomeostasisâ€•and Glycolysis Disorderâ€Enhanced Theranostics (Small 8/2022). Small, 2022, 18, .	10.0	0