

# Jian Zhou

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

522  
papers

16,486  
citations

63  
h-index

106  
g-index

541  
ext. papers

20,088  
ext. citations

5.1  
avg, IF

7.49  
L-index

#	Paper	IF	Citations
522	Realization of adjustable electron concentration and its effect on electrical- and Seebeck-property of n-type SnSe crystals. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 022102	3.4	0
521	Experimental warming reduces ecosystem resistance and resilience to severe flooding in a wetland.. <i>Science Advances</i> , <b>2022</b> , 8, eabl9526	14.3	0
520	Investigating the Slurry Fluidity and Strength Characteristics of Cemented Backfill and Strength Prediction Models by Developing Hybrid GA-SVR and PSO-SVR. <i>Mining, Metallurgy and Exploration</i> , <b>2022</b> , 39, 433	1.1	2
519	High probability of nitrogen and phosphorus co-limitation occurring in eutrophic lakes. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118276	9.3	2
518	Breaking the linear scaling relations in MXene catalysts for efficient CO2 reduction. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132171	14.7	6
517	Dual-regulation strategy to enhance electrochemical catalysis ability of NiCo2O4-x for polysulfides conversion in Li-S batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131109	14.7	2
516	Dual-responsive zwitterion-modified nanopores: a mesoscopic simulation study.. <i>Journal of Materials Chemistry B</i> , <b>2022</b> ,	7.3	1
515	Novel Ensemble Tree Solution for Rockburst Prediction Using Deep Forest. <i>Mathematics</i> , <b>2022</b> , 10, 787	2.3	4
514	Simulated preparation and hydration property of a new-generation zwitterionic modified PVDF membrane. <i>Journal of Membrane Science</i> , <b>2022</b> , 652, 120498	9.6	1
513	Growth and Electrical Properties of Polymorphs of Mo-Te Crystals. <i>Materials Research Bulletin</i> , <b>2022</b> , 151, 111796	5.1	
512	Toxic Metals in a Paddy Field System: A Review. <i>Toxics</i> , <b>2022</b> , 10, 249	4.7	0
511	High-harmonic generation in Weyl semimetal $\beta$ -WP crystals. <i>Nature Communications</i> , <b>2021</b> , 12, 6437	17.4	3
510	The interplay between surface-functionalized gold nanoparticles and negatively charged lipid vesicles. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 23526-23536	3.6	0
509	GLIPR1 Protects Against Cigarette Smoke-Induced Airway Inflammation via PLAU/EGFR Signaling. <i>International Journal of COPD</i> , <b>2021</b> , 16, 2817-2832	3	1
508	The electrical- and magneto-transport properties of Rb-, Sn-, and Co-doped BiCuSeO crystals. <i>AIP Advances</i> , <b>2021</b> , 11, 105207	1.5	1
507	Prediction of blasting mean fragment size using support vector regression combined with five optimization algorithms. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2021</b> , 13, 1380-1380	5.3	12
506	Prediction of thermoelectric performance for layered IV-V-VI semiconductors by high-throughput ab initio calculations and machine learning. <i>Npj Computational Materials</i> , <b>2021</b> , 7,	10.9	5

505	Loss of ESRP1 blocks mouse oocyte development and leads to female infertility. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	2
504	Simulation Insight into the Synergic Role of Citrate and Polyaspartic Peptide in Biomineralization. <i>Langmuir</i> , <b>2021</b> , 37, 3410-3419	4	3
503	Day-to-Day Variability of Parameters Recorded by Home Noninvasive Positive Pressure Ventilation for Detection of Severe Acute Exacerbations in COPD. <i>International Journal of COPD</i> , <b>2021</b> , 16, 727-737	3	3
502	Two Organic Hybrid Iodoplumbates Directed by a Bifunctional Bis(pyrazinyl)triazole. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5362-5366	5.1	2
501	Lyophilized powder of mesenchymal stem cell supernatant attenuates acute lung injury through the IL-6-p-STAT3-p63-JAG2 pathway. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 216	8.3	5
500	Molecular simulations of charged complex fluids: A review. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> , 31, 206-226	3.2	4
499	A Copper(I)-Thioarsenate(III) Inorganic Framework Directed by [Ni(en)]. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 6813-6819	5.1	1
498	High-temperature friction characteristics of N-BK7 glass and their correlation with viscoelastic loss modulus. <i>Ceramics International</i> , <b>2021</b> ,	5.1	2
497	Ultralow Lattice Thermal Conductivity of A0.5RhO2 (A = K, Rb, Cs) Induced by Interfacial Scattering and Resonant Scattering. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 11648-11655	3.8	2
496	High strain rate compressive strength behavior of cemented paste backfill using split Hopkinson pressure bar. <i>International Journal of Mining Science and Technology</i> , <b>2021</b> , 31, 387-399	7.1	15
495	Stochastic assessment of hard rock pillar stability based on the geological strength index system. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , <b>2021</b> , 7, 1	3.8	5
494	A Comparison of Linear Conventional and Nonlinear Microbial Models for Simulating Pulse Dynamics of Soil Heterotrophic Respiration in a Semi-Arid Grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2021</b> , 126, e2020JG006120	3.7	1
493	Study on Rock Damage Mechanism for Lateral Blasting under High In Situ Stresses. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4992	2.6	3
492	Lysozyme Adsorption on Different Functionalized MXenes: A Multiscale Simulation Study. <i>Langmuir</i> , <b>2021</b> , 37, 5932-5942	4	0
491	Novel Two-Dimensional Janus MoSiGeN and WSiGeN as Highly Efficient Photocatalysts for Spontaneous Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28090-28097	9.5	18
490	Molecular fingerprint and machine learning to accelerate design of high-performance homochiral metal-organic frameworks. <i>AIChE Journal</i> , <b>2021</b> , 67, e17352	3.6	2
489	An Expert Artificial Intelligence Model for Discriminating Microseismic Events and Mine Blasts. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6474	2.6	0
488	Growth, Structure, Electrical Transport and Thermal Stability of New Allotropic MoC4 Crystals. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 4909-4913	3.5	

487	Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR029371	5.4	7
486	Development of a new methodology for estimating the amount of PPV in surface mines based on prediction and probabilistic models (GEP-MC). <i>International Journal of Mining, Reclamation and Environment</i> , <b>2021</b> , 35, 48-68	2.2	39
485	Temperature and rate dependent debonding behaviors of precision glass molding interface. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 243-255	3.8	0
484	ALKEMIE: An intelligent computational platform for accelerating materials discovery and design. <i>Computational Materials Science</i> , <b>2021</b> , 186, 110064	3.2	35
483	Two-dimensional (Zr <sub>0.5</sub> Hf <sub>0.5</sub> ) <sub>2</sub> CO <sub>2</sub> : A promising visible light water-splitting photocatalyst with efficiently carrier separation. <i>Computational Materials Science</i> , <b>2021</b> , 186, 110013	3.2	2
482	Mo <sub>2</sub> B <sub>2</sub> MBene-supported single-atom catalysts as bifunctional HER/OER and OER/ORR electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 433-441	13	51
481	Fabrication and mechanical properties of dual-heterogeneous titanium-based composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 803, 140585	5.3	1
480	One Octasubstituted Trisalkoxotetradecavanadate Cluster. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14-18	5.1	2
479	Pressure-mediated structural phase transitions and ultrawide indirect-direct bandgaps in novel rare-earth oxyhalides. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 547-554	7.1	4
478	MXenes: promising donor and acceptor materials for high-efficiency heterostructure solar cells. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 135-143	5.8	15
477	Molecular simulations on the hydration and underwater oleophobicity of zwitterionic self-assembled monolayers. <i>AIChE Journal</i> , <b>2021</b> , 67, e17103	3.6	6
476	Optimization of postblast ore boundary determination using a novel sine cosine algorithm-based random forest technique and Monte Carlo simulation. <i>Engineering Optimization</i> , <b>2021</b> , 53, 1467-1482	2	10
475	Deep neural network and whale optimization algorithm to assess flyrock induced by blasting. <i>Engineering With Computers</i> , <b>2021</b> , 37, 173-186	4.5	72
474	Novel IV-VI semiconductors with ultralow lattice thermal conductivity. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4189-4199	7.1	2
473	A novel 3-D lead-iodide polymer based on the linkage of rare binuclear [PbI] cations and anionic bis(pyrazinyl)-triazole bridges. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4486-4489	4.3	0
472	Novel metal oxides with promising high-temperature thermoelectric performance. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12884-12894	7.1	1
471	Vanadoborates: cluster-based architectures, preparation and properties. <i>Dalton Transactions</i> , <b>2021</b> , 50, 1550-1568	4.3	7
470	One-Dimensional Vanadium(III) Chalcogenidostannates Incorporating [V(tepa)] Complexes as Bridging Groups. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2127-2132	5.1	3

469	Rockburst prediction in hard rock mines developing bagging and boosting tree-based ensemble techniques. <i>Journal of Central South University</i> , <b>2021</b> , 28, 527-542	2.1	31
468	Chronic mild stress-induced protein dysregulations correlated with susceptibility and resiliency to depression or anxiety revealed by quantitative proteomics of the rat prefrontal cortex. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 143	8.6	3
467	Performance Evaluation of Hybrid WOA-SVR and HHO-SVR Models with Various Kernels to Predict Factor of Safety for Circular Failure Slope. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1922	2.6	6
466	Indirect Determination Approach of Blast-Induced Ground Vibration Based on a Hybrid SSA-Optimized GP-Based Technique. <i>Advances in Civil Engineering</i> , <b>2021</b> , 2021, 1-14	1.3	0
465	Intelligent modeling of blast-induced rock movement prediction using dimensional analysis and optimized artificial neural network technique. <i>International Journal of Rock Mechanics and Minings Sciences</i> , <b>2021</b> , 143, 104794	6	7
464	Comment on Surface integrity analysis of ultra-thin glass molding process[Ceram. Int. (2021) <a href="https://doi.org/10.1016/j.ceramint.2021.07.236">https://doi.org/10.1016/j.ceramint.2021.07.236</a> ]. <i>Ceramics International</i> , <b>2021</b> , 47, 33930-33930	5.1	
463	An Organic Hybrid Indium-Telluride Incorporating Binuclear Complexes [In(ea)] with a Bridging Oxygen Donor. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12724-12729	5.1	0
462	Proposing a novel comprehensive evaluation model for the coal burst liability in underground coal mines considering uncertainty factors. <i>International Journal of Mining Science and Technology</i> , <b>2021</b> ,	7.1	35
461	Improving the efficiency of microseismic source locating using a heuristic algorithm-based virtual field optimization method. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , <b>2021</b> , 7, 1	3.8	25
460	The electronic and magnetic properties of KPbM <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (M=Cr and Fe) by first-principles calculations. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 083001	1.4	
459	Antibonding-Induced Anomalous Temperature Dependence of the Band Gap in Crystalline Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 19537-19543	3.8	2
458	Identification of a novel Sox5 transcript in mouse testis. <i>Gene Expression Patterns</i> , <b>2021</b> , 41, 119197	1.5	0
457	Modeling the typhoon disturbance effect on ecosystem carbon storage dynamics in a subtropical forest of China's coastal region. <i>Ecological Modelling</i> , <b>2021</b> , 455, 109636	3	
456	Thermal property and lattice thermal conductivity of three-dimensional pentagonal silicon. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 618, 413178	2.8	1
455	MXenes modified by single transition metal atom for hydrogen evolution reaction catalysts. <i>Applied Surface Science</i> , <b>2021</b> , 562, 150151	6.7	5
454	Intersectional analysis of chronic mild stress-induced lncRNA-mRNA interaction networks in rat hippocampus reveals potential anti-depression/anxiety drug targets. <i>Neurobiology of Stress</i> , <b>2021</b> , 15, 100347	7.6	6
453	A coarse-grained simulation of heat and mass transfer through a graphene oxide-based composite membrane. <i>Chemical Engineering Science</i> , <b>2021</b> , 243, 116692	4.4	5
452	Vacancy-mediated electronic localization and phase transition in cubic Sb <sub>2</sub> Te <sub>3</sub> . <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 135, 106052	4.3	2

451	Multi-level phase-change memory with ultralow power consumption and resistance drift. <i>Science Bulletin</i> , <b>2021</b> , 66, 2217-2224	10.6	5
450	Functionalized Mo <sub>2</sub> B <sub>2</sub> MBenes: Promising anchoring and electrocatalysis materials for Lithium-Sulfur battery. <i>Applied Surface Science</i> , <b>2021</b> , 566, 150634	6.7	5
449	Variance in tree growth rates provides a key link for completing the theory of forest size structure formation. <i>Journal of Theoretical Biology</i> , <b>2021</b> , 529, 110857	2.3	0
448	Structural stability and mechanical properties of B2 ordered refractory AlNbTiVZr high entropy alloys. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 886, 161289	5.7	5
447	Computer Simulations on a pH-Responsive Anticancer Drug Delivery System Using Zwitterion-Grafted Polyamidoamine Dendrimer Unimolecular Micelles. <i>Langmuir</i> , <b>2021</b> , 37, 1225-1234	4	12
446	A traceability analysis system for model evaluation on land carbon dynamics: design and applications. <i>Ecological Processes</i> , <b>2021</b> , 10,	3.6	4
445	Computational mining of Janus Sc <sub>2</sub> C-based MXenes for spintronic, photocatalytic, and solar cell applications. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10882-10892	13	14
444	An electronic phase diagram of hole-doped BiCuSeO crystals determined by transport characterization under various growth conditions. <i>CrystEngComm</i> , <b>2021</b> , 23, 273-281	3.3	2
443	A series of organic hybrid polyoxovanadate clusters incorporating tris(hydroxymethyl)methane derivatives. <i>Dalton Transactions</i> , <b>2021</b> , 50, 15224-15232	4.3	
442	The Effects of Macroeconomic Factors on Road Traffic Safety: A Study Based on the ARDL-ECM Model. <i>Sustainability</i> , <b>2020</b> , 12, 10262	3.6	0
441	Numerical Investigation of Injection-Induced Fracture Propagation in Brittle Rocks with Two Injection Wells by a Modified Fluid-Mechanical Coupling Model. <i>Energies</i> , <b>2020</b> , 13, 4718	3.1	4
440	Vacancy formation energy and its connection with bonding environment in solid: A high-throughput calculation and machine learning study. <i>Computational Materials Science</i> , <b>2020</b> , 183, 109803	3.2	8
439	Developing a hybrid model of information entropy and unascertained measurement theory for evaluation of the excavatability in rock mass. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	12
438	Approaching the Strain-Free Limit in Ultrathin Nanomechanical Resonators. <i>Nano Letters</i> , <b>2020</b> , 20, 5693-5698	15.98	7
437	MnO nanoflowers grown on a polypropylene separator for use as both a barrier and an accelerator of polysulfides for high-performance Li-S batteries. <i>Dalton Transactions</i> , <b>2020</b> , 49, 9719-9727	4.3	6
436	Two-dimensional O-phase group III monochalcogenides for photocatalytic water splitting. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 065501	1.8	2
435	First-principles calculations of structural and electronic properties of layered AxRhO <sub>2</sub> (A = Li, Na, K, Rb, Cs). <i>AIP Advances</i> , <b>2020</b> , 10, 035320	1.5	2
434	Effective Assessment of Blast-Induced Ground Vibration Using an Optimized Random Forest Model Based on a Harris Hawks Optimization Algorithm. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1403	2.6	38

433	Simulated revelation of the adsorption behaviours of acetylcholinesterase on charged self-assembled monolayers. <i>Nanoscale</i> , <b>2020</b> , 12, 3701-3714	7.7	10
432	Modulating electrical transport properties of SnSe crystal to improve the thermoelectric power factor by adjusting growth method. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 092103	3.4	3
431	Anomalous transport and magnetic properties induced by slight Cu valence alternation in layered oxytelluride BiCuTeO.. <i>RSC Advances</i> , <b>2020</b> , 10, 18753-18759	3.7	0
430	Fiber-Reinforced Cemented Paste Backfill: The Effect of Fiber on Strength Properties and Estimation of Strength Using Nonlinear Models. <i>Materials</i> , <b>2020</b> , 13,	3.5	19
429	Defect proliferation in CsPbBr <sub>3</sub> crystal induced by ion migration. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 063505	3.4	30
428	Exchange-biased nanocomposite ferromagnetic insulator. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
427	Synergy effect of co-doping Sc and Y in Sb <sub>2</sub> Te <sub>3</sub> for phase-change memory. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6672-6679	7.1	16
426	Synthesis, structure, and electronic properties of the LiRbGdTeO single crystal.. <i>RSC Advances</i> , <b>2020</b> , 10, 11450-11454	3.7	
425	Numerical Investigation of Baroclinic Channel-Shoal Interaction in Partially Stratified Estuaries. <i>Journal of Geophysical Research: Oceans</i> , <b>2020</b> , 125, e2020JC016135	3.3	4
424	M2C-type MXenes: Promising catalysts for CO <sub>2</sub> capture and reduction. <i>Applied Surface Science</i> , <b>2020</b> , 521, 146436	6.7	31
423	Novel 2D Transition-Metal Carbides: Ultrahigh Performance Electrocatalysts for Overall Water Splitting and Oxygen Reduction. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000570	15.6	78
422	A Combination of Feature Selection and Random Forest Techniques to Solve a Problem Related to Blast-Induced Ground Vibration. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 869	2.6	40
421	Determination of mechanical, flowability, and microstructural properties of cemented tailings backfill containing rice straw. <i>Construction and Building Materials</i> , <b>2020</b> , 246, 118520	6.7	23
420	An efficient polysulfide trapper of an nitrogen and nickel-decorating amyllum scaffold-coated separator for ultrahigh performance in lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1238-1246	13	16
419	Grain boundary migration and Zener pinning in a nanocrystalline CuAg alloy. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2020</b> , 28, 065017	2	1
418	MXene and MXene-based composites: synthesis, properties and environment-related applications. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 235-258	10.8	240
417	Influence of high stacking-fault energy on the dissociation mechanisms of misfit dislocations at semi-coherent interfaces. <i>International Journal of Plasticity</i> , <b>2020</b> , 126, 102610	7.6	6
416	Quantifying the composition dependency of the ground-state structure, electronic property and phase-transition dynamics in ternary transition-metal-dichalcogenide monolayers. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 721-733	7.1	4

415	pyGACE: Combining the genetic algorithm and cluster expansion methods to predict the ground-state structure of systems containing point defects. <i>Computational Materials Science</i> , <b>2020</b> , 174, 109482	3.2	2
414	Experimental and 3D MPFEM simulation study on the green density of Ti <sub>6</sub> Al <sub>4</sub> V powder compact during uniaxial high velocity compaction. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 817, 153226	5.7	6
413	Reduction in thermal conductivity of Sb <sub>2</sub> Te phase-change material by scandium/yttrium doping. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153499	5.7	4
412	Buckled Conductive Polymer Ribbons in Elastomer Channels as Stretchable Fiber Conductor. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907316	15.6	21
411	Shearing dominated by the coupling of the interfacial misfit and atomic bonding at the FCC (111) semi-coherent interfaces. <i>Materials and Design</i> , <b>2020</b> , 186, 108294	8.1	4
410	Towards the comprehensive water quality control in Lake Taihu: Correlating chlorophyll a and water quality parameters with generalized additive model. <i>Science of the Total Environment</i> , <b>2020</b> , 705, 135993 <sup>10.2</sup>	10.2	8
409	Lysozyme Adsorption on Porous Organic Cages: A Molecular Simulation Study. <i>Langmuir</i> , <b>2020</b> , 36, 12299-12308	4	12308
408	Advanced Prediction of Roadway Broken Rock Zone Based on a Novel Hybrid Soft Computing Model Using Gaussian Process and Particle Swarm Optimization. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6031	2.6	6
407	Two-dimensional molybdenum carbides: active electrocatalysts for the nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23947-23954	13	15
406	Influence of lattice distortion on stacking fault energies of CoCrFeNi and Al-CoCrFeNi high entropy alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 846, 156321	5.7	24
405	Impact of ambient stable stratification on gravity currents propagating over a submerged canopy. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 898,	3.7	3
404	Electrostatic Effect of Functional Surfaces on the Activity of Adsorbed Enzymes: Simulations and Experiments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35676-35687	9.5	6
403	Novel MXene-based hierarchically porous composite as superior electrodes for Li-ion storage. <i>Applied Surface Science</i> , <b>2020</b> , 530, 147214	6.7	13
402	High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	21
401	Two Hybrid Polymeric Iodoargentates Incorporating Aromatic N-Heterocycle Derivatives as Electron Acceptors. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16814-16818	5.1	2
400	Computer simulations on double hydrophobic PS-b-PMMA porous membrane by non-solvent induced phase separation. <i>Fluid Phase Equilibria</i> , <b>2020</b> , 523, 112784	2.5	5
399	Tunable phase transitions and high photovoltaic performance of two-dimensional InGeTe semiconductors. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1566-1573	10.8	5
398	How does three-dimensional canopy geometry affect the front propagation of a gravity current?. <i>Physics of Fluids</i> , <b>2020</b> , 32, 096605	4.4	3



397	Are nitrogen-to-phosphorus ratios of Chinese lakes actually increasing?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21000-21002	11.5	11
396	A new hybrid model of information entropy and unascertained measurement with different membership functions for evaluating destressability in burst-prone underground mines. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	11
395	Residual Sediment Transport in Tidally Energetic Estuarine Channels With Lateral Bathymetric Variation. <i>Journal of Geophysical Research: Oceans</i> , <b>2020</b> , 125, e2020JC016140	3.3	1
394	Composition-Gradient-Mediated Semiconductor-Metal Transition in Ternary Transition-Metal-Dichalcogenide Bilayers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45184-45190	9.5	5
393	Injection Protects Retinal Ganglion Cells by Regulating the Nerve Growth Factor Signaling Pathway in Experimental Rat Traumatic Optic Neuropathy. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2020</b> , 2020, 2429843	2.3	0
392	Computer simulations of underwater oil adhesion of self-assembled monolayers on Au (111). <i>Molecular Simulation</i> , <b>2020</b> , 46, 713-720	2	3
391	First principles investigation on anomalous lattice shrinkage of W alloyed rock salt GeTe. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 137, 109220	3.9	2
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