

Jian Zhou

List of Publications by Year in descending order

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537
papers

23,832
citations

9234

74
h-index

15218

126
g-index

541
all docs

541
docs citations

541
times ranked

22823
citing authors

#	ARTICLE	IF	CITATIONS
1	Penta-graphene: A new carbon allotrope. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2372-2377.	3.3	1,114
2	MXene and MXene-based composites: synthesis, properties and environment-related applications. Nanoscale Horizons, 2020, 5, 235-258.	4.1	588
3	MXene: a promising photocatalyst for water splitting. Journal of Materials Chemistry A, 2016, 4, 11446-11452.	5.2	569
4	Magnetism of Phthalocyanine-Based Organometallic Single Porous Sheet. Journal of the American Chemical Society, 2011, 133, 15113-15119.	6.6	350
5	Design of High-Efficiency Visible-Light Photocatalysts for Water Splitting: MoS ₂ /AlN(GaN) Heterostructures. Journal of Physical Chemistry C, 2014, 118, 17594-17599.	1.5	340
6	Half-Metallic Ferromagnetism and Surface Functionalization-Induced Metal-Insulator Transition in Graphene-like Two-Dimensional Cr ₂ C Crystals. ACS Applied Materials & Interfaces, 2015, 7, 17510-17515.	4.0	314
7	2D Intrinsic Ferromagnets from van der Waals Antiferromagnets. Journal of the American Chemical Society, 2018, 140, 2417-2420.	6.6	312
8	Classification of Rockburst in Underground Projects: Comparison of Ten Supervised Learning Methods. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	304
9	Long-term prediction model of rockburst in underground openings using heuristic algorithms and support vector machines. Safety Science, 2012, 50, 629-644.	2.6	300
10	Structure of Phase Change Materials for Data Storage. Physical Review Letters, 2006, 96, 055507.	2.9	293
11	Electronic and magnetic properties of a BN sheet decorated with hydrogen and fluorine. Physical Review B, 2010, 81, .	1.1	278
12	Tunable Magnetism and Extraordinary Sunlight Absorbance in Indium Triphosphide Monolayer. Journal of the American Chemical Society, 2017, 139, 11125-11131.	6.6	265
13	Flexible, Highly Graphitized Carbon Aerogels Based on Bacterial Cellulose/Lignin: Catalyst-Free Synthesis and its Application in Energy Storage Devices. Advanced Functional Materials, 2015, 25, 3193-3202.	7.8	262
14	New two-dimensional transition metal borides for Li ion batteries and electrocatalysis. Journal of Materials Chemistry A, 2017, 5, 23530-23535.	5.2	253
15	Flexible two-dimensional Ti _{n+1} C _n (n = 1, 2 and 3) and their functionalized MXenes predicted by density functional theories. Physical Chemistry Chemical Physics, 2015, 17, 15348-15354.	1.3	247
16	Controlling Antibody Orientation on Charged Self-Assembled Monolayers. Langmuir, 2003, 19, 2859-2864.	1.6	232
17	Experimental Study of Slabbing and Rockburst Induced by True-Triaxial Unloading and Local Dynamic Disturbance. Rock Mechanics and Rock Engineering, 2016, 49, 3437-3453.	2.6	212
18	Coaxial Thermoplastic Elastomer-Wrapped Carbon Nanotube Fibers for Deformable and Wearable Strain Sensors. Advanced Functional Materials, 2018, 28, 1705591.	7.8	207

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19	A Comparative Study of PSO-ANN, GA-ANN, ICA-ANN, and ABC-ANN in Estimating the Heating Load of Buildingsâ€™ Energy Efficiency for Smart City Planning. Applied Sciences (Switzerland), 2019, 9, 2630.	1.3	205
20	Tuning electronic and magnetic properties of graphene by surface modification. Applied Physics Letters, 2009, 95, .	1.5	199
21	Bioinspired Graphene Nanopores with Voltage-Tunable Ion Selectivity for Na ⁺ and K ⁺ . ACS Nano, 2013, 7, 10148-10157.	7.3	199
22	The temperature-dependent microstructure of PEDOT/PSS films: insights from morphological, mechanical and electrical analyses. Journal of Materials Chemistry C, 2014, 2, 9903-9910.	2.7	193
23	Large-Gap Quantum Spin Hall State in MXenes: <i>d</i> -Band Topological Order in a Triangular Lattice. Nano Letters, 2016, 16, 6584-6591.	4.5	193
24	Novel 2D Transitionâ€™Metal Carbides: Ultrahigh Performance Electrocatalysts for Overall Water Splitting and Oxygen Reduction. Advanced Functional Materials, 2020, 30, 2000570.	7.8	186
25	Ultrasensitive, Stretchable Strain Sensors Based on Fragmented Carbon Nanotube Papers. ACS Applied Materials & Interfaces, 2017, 9, 4835-4842.	4.0	184
26	Electronic structures and bonding of graphyne sheet and its BN analog. Journal of Chemical Physics, 2011, 134, 174701.	1.2	182
27	Coarse-Grained Peptide Modeling Using a Systematic Multiscale Approach. Biophysical Journal, 2007, 92, 4289-4303.	0.2	176
28	Mo ₂ B ₂ MBene-supported single-atom catalysts as bifunctional HER/OER and OER/ORR electrocatalysts. Journal of Materials Chemistry A, 2021, 9, 433-441.	5.2	175
29	Theoretical investigation on the transition-metal borides with Ta ₃ B ₄ -type structure: A class of hard and refractory materials. Computational Materials Science, 2011, 50, 1559-1566.	1.4	169
30	Comparative performance of six supervised learning methods for the development of models of hard rock pillar stability prediction. Natural Hazards, 2015, 79, 291-316.	1.6	161
31	Feasibility of Random-Forest Approach for Prediction of Ground Settlements Induced by the Construction of a Shield-Driven Tunnel. International Journal of Geomechanics, 2017, 17, .	1.3	160
32	Strain-mediated type-I/type-II transition in MXene/Blue phosphorene van der Waals heterostructures for flexible optical/electronic devices. Journal of Materials Chemistry C, 2017, 5, 978-984.	2.7	155
33	Supervised Machine Learning Techniques to the Prediction of Tunnel Boring Machine Penetration Rate. Applied Sciences (Switzerland), 2019, 9, 3715.	1.3	155
34	Random Forests and Cubist Algorithms for Predicting Shear Strengths of Rockfill Materials. Applied Sciences (Switzerland), 2019, 9, 1621.	1.3	152
35	Molecular Simulation Studies of the Orientation and Conformation of Cytochrome c Adsorbed on Self-Assembled Monolayers. Journal of Physical Chemistry B, 2004, 108, 17418-17424.	1.2	145
36	Diameter and helicity effects on static properties of water molecules confined in carbon nanotubes. Physical Chemistry Chemical Physics, 2004, 6, 829.	1.3	144

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37	Semi-metallic, strong and stretchable wet-spun conjugated polymer microfibers. Journal of Materials Chemistry C, 2015, 3, 2528-2538.	2.7	130
38	Orientation of Adsorbed Antibodies on Charged Surfaces by Computer Simulation Based on a United-Residue Model. Langmuir, 2003, 19, 3472-3478.	1.6	129
39	Topological Insulating in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{GeTe} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Sb} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Te} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle$ Superlattice. Physical Review Letters, 2012, 109, 096802.	3.9	128
40	Highly transparent, low-haze, hybrid cellulose nanopaper as electrodes for flexible electronics. Nanoscale, 2016, 8, 12294-12306.	2.8	127
41	Improving Electrical Conductivity in Polycarbonate Nanocomposites Using Highly Conductive PEDOT/PSS Coated MWCNTs. ACS Applied Materials & Interfaces, 2013, 5, 6189-6200.	4.0	123
42	Computational mining of photocatalysts for water splitting hydrogen production: two-dimensional InSe-family monolayers. Catalysis Science and Technology, 2017, 7, 2744-2752.	2.1	123
43	Fabrication of Nanostructured Thermoelectric Bismuth Telluride Thick Films by Electrochemical Deposition. Chemistry of Materials, 2006, 18, 3627-3633.	3.2	122
44	Exfoliated graphene-supported Pt and Pt-based alloys as electrocatalysts for direct methanol fuel cells. Carbon, 2013, 52, 595-604.	5.4	117
45	Anomalous Hydration Shell Order of Na ⁺ and K ⁺ inside Carbon Nanotubes. Nano Letters, 2009, 9, 989-994.	4.5	113
46	Pressure-induced reversible amorphization and an amorphous-amorphous transition in Ge ₂ Sb ₂ Te ₅ phase-change memory material. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10410-10414.	3.3	107
47	Deep neural network and whale optimization algorithm to assess flyrock induced by blasting. Engineering With Computers, 2021, 37, 173-186.	3.5	107
48	Support vector machines approach to mean particle size of rock fragmentation due to bench blasting prediction. Transactions of Nonferrous Metals Society of China, 2012, 22, 432-441.	1.7	106
49	An overview of materials issues in resistive random access memory. Journal of Materiomics, 2015, 1, 285-295.	2.8	106
50	Novel two-dimensional molybdenum carbides as high capacity anodes for lithium/sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12145-12153.	5.2	106
51	Polydopamine-based synthesis of a zeolite imidazolate framework ZIF-100 membrane with high H ₂ /CO ₂ selectivity. Journal of Materials Chemistry A, 2015, 3, 4722-4728.	5.2	103
52	Formation of Large Voids in the Amorphous Phase-Change Memory $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ge} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Sb} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle$ Physical Review Letters, 2009, 102, 075504.	3.9	102
53	Monte Carlo simulations of antibody adsorption and orientation on charged surfaces. Journal of Chemical Physics, 2004, 121, 1050-1057.	1.2	100
54	High-ampacity conductive polymer microfibers as fast response wearable heaters and electromechanical actuators. Journal of Materials Chemistry C, 2016, 4, 1238-1249.	2.7	100

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55	High-throughput computational screening of 137953 metal-organic frameworks for membrane separation of a CO ₂ /N ₂ /CH ₄ mixture. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15904-15912.	5.2	99
56	Yttrium-Doped Sb ₂ Te ₃ : A Promising Material for Phase-Change Memory. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26126-26134.	4.0	99
57	Cu single atoms on Ti ₂ CO ₂ as a highly efficient oxygen reduction catalyst in a proton exchange membrane fuel cell. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26062-26070.	5.2	95
58	Alloy design, micromechanical and macromechanical properties of CoCrFeNiTax eutectic high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2653-2662.	2.8	93
59	Unique Melting Behavior in Phase-Change Materials for Rewritable Data Storage. <i>Physical Review Letters</i> , 2007, 98, 055505.	2.9	92
60	Noble Gas Adsorption in Copper Trimesate, HKUST-1: An Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20116-20126.	1.5	92
61	Controllable Schottky barrier in GaSe/graphene heterostructure: the role of interface dipole. <i>2D Materials</i> , 2017, 4, 015027.	2.0	92
62	ALKEMIE: An intelligent computational platform for accelerating materials discovery and design. <i>Computational Materials Science</i> , 2021, 186, 110064.	1.4	89
63	Novel Two-Dimensional Janus MoSiGeN ₄ and WSiGeN ₄ as Highly Efficient Photocatalysts for Spontaneous Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28090-28097.	4.0	89
64	III-VI van der Waals heterostructures for sustainable energy related applications. <i>Nanoscale</i> , 2019, 11, 6431-6444.	2.8	88
65	Estimating the Heating Load of Buildings for Smart City Planning Using a Novel Artificial Intelligence Technique PSO-XGBoost. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2714.	1.3	87
66	Ti-enhanced exfoliation of V ₂ AlC into V ₂ C MXene for lithium-ion battery anodes. <i>Ceramics International</i> , 2017, 43, 11450-11454.	2.3	85
67	Utilizing gradient boosted machine for the prediction of damage to residential structures owing to blasting vibrations of open pit mining. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 3986-3997.	1.5	84
68	Peptide Folding Using Multiscale Coarse-Grained Models. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13079-13090.	1.2	83
69	Spatiotemporal Changes of Cyanobacterial Bloom in Large Shallow Eutrophic Lake Taihu, China. <i>Frontiers in Microbiology</i> , 2018, 9, 451.	1.5	80
70	Probing carbon nanotube-amino acid interactions in aqueous solution with molecular dynamics simulations. <i>Carbon</i> , 2014, 78, 500-509.	5.4	78
71	Lipase adsorption on different nanomaterials: a multi-scale simulation study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 840-850.	1.3	78
72	Deformable and wearable carbon nanotube microwire-based sensors for ultrasensitive monitoring of strain, pressure and torsion. <i>Nanoscale</i> , 2017, 9, 604-612.	2.8	78

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73	Rockburst prediction in hard rock mines developing bagging and boosting tree-based ensemble techniques. <i>Journal of Central South University</i> , 2021, 28, 527-542.	1.2	78
74	M2C-type MXenes: Promising catalysts for CO ₂ capture and reduction. <i>Applied Surface Science</i> , 2020, 521, 146436.	3.1	77
75	Molecular simulation study of temperature effect on ionic hydration in carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1896.	1.3	76
76	Lignin-based carbon fibers: Carbon nanotube decoration and superior thermal stability. <i>Carbon</i> , 2014, 80, 91-102.	5.4	76
77	Design of amine-functionalized metal-organic frameworks for CO ₂ separation: the more amine, the better?. <i>Chemical Communications</i> , 2016, 52, 974-977.	2.2	76
78	Laser-engraved carbon nanotube paper for instilling high sensitivity, high stretchability, and high linearity in strain sensors. <i>Nanoscale</i> , 2017, 9, 10897-10905.	2.8	75
79	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> , 2021, 31, 799-812.	4.6	74
80	High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations. <i>Science Advances</i> , 2020, 6, .	4.7	73
81	Effects of Annealing and Doping on Nanostructured Bismuth Telluride Thick Films. <i>Chemistry of Materials</i> , 2008, 20, 4403-4410.	3.2	72
82	Band gap engineering in huge-gap semiconductor SrZrO ₃ for visible-light photocatalysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2042-2048.	3.8	72
83	Adsorption of Hydrophobin on Different Self-Assembled Monolayers: The Role of the Hydrophobic Dipole and the Electric Dipole. <i>Langmuir</i> , 2014, 30, 11401-11411.	1.6	68
84	Phase Behavior of Mixed Self-Assembled Monolayers of Alkanethiols on Au(111): A Configurational-Bias Monte Carlo Simulation Study. <i>Langmuir</i> , 2001, 17, 7566-7572.	1.6	67
85	Peierls distortion mediated reversible phase transition in GeTe under pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5948-5952.	3.3	67
86	Tuning magnetic properties of graphene nanoribbons with topological line defects: From antiferromagnetic to ferromagnetic. <i>Physical Review B</i> , 2012, 85, .	1.1	67
87	Unexpected elastic isotropy in a black phosphorene/TiC ₂ van der Waals heterostructure with flexible Li-ion battery anode applications. <i>Nano Research</i> , 2017, 10, 3136-3150.	5.8	67
88	A Combination of Feature Selection and Random Forest Techniques to Solve a Problem Related to Blast-Induced Ground Vibration. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 869.	1.3	67
89	Mesoscopic Coarse-Grained Simulations of Lysozyme Adsorption. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4451-4460.	1.2	66
90	Controlling cyanobacterial blooms by managing nutrient ratio and limitation in a large hyper-eutrophic lake: Lake Taihu, China. <i>Journal of Environmental Sciences</i> , 2015, 27, 80-86.	3.2	65

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91	Hippocampal proteomic changes of susceptibility and resilience to depression or anxiety in a rat model of chronic mild stress. <i>Translational Psychiatry</i> , 2019, 9, 260.	2.4	65
92	Y-Doped Sb ₂ Te ₃ Phase-Change Materials: Toward a Universal Memory. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20672-20679.	4.0	65
93	Ice-like Water Structure in Carbon Nanotube (8,8) Induces Cationic Hydration Enhancement. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11412-11420.	1.5	64
94	Effect of composition on the formation of poly(dl-lactide) microspheres for drug delivery systems: Mesoscale simulations. <i>Chemical Engineering Journal</i> , 2007, 131, 195-201.	6.6	63
95	Prediction of blasting mean fragment size using support vector regression combined with five optimization algorithms. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 1380-1397.	3.7	63
96	Anthropogenic eutrophication of shallow lakes: Is it occasional?. <i>Water Research</i> , 2022, 221, 118728.	5.3	63
97	MoS ₂ /Ti ₂ CT ₂ (T = F, O) Heterostructures as Promising Flexible Anodes for Lithium/Sodium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11493-11499.	1.5	62
98	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> , 2020, 10, 1403.	1.3	62
99	Adsorption and Diffusion of Supercritical Carbon Dioxide in Slit Pores. <i>Langmuir</i> , 2000, 16, 8063-8070.	1.6	61
100	Microscopic origin of MXenes derived from layered MAX phases. <i>RSC Advances</i> , 2015, 5, 25403-25408.	1.7	61
101	Multi-planar detection optimization algorithm for the interval charging structure of large-diameter longhole blasting design based on rock fragmentation aspects. <i>Engineering Optimization</i> , 2018, 50, 2177-2191.	1.5	61
102	Vanishing Schottky Barriers in Blue Phosphorene/MXene Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25164-25171.	1.5	60
103	Defect proliferation in CsPbBr ₃ crystal induced by ion migration. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	60
104	Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. <i>Water Resources Research</i> , 2021, 57, e2020WR029371.	1.7	60
105	Predicting tunnel squeezing using support vector machine optimized by whale optimization algorithm. <i>Acta Geotechnica</i> , 2022, 17, 1343-1366.	2.9	60
106	Diffusion of water molecules confined in slits of rutile TiO ₂ (110) and graphite(0001). <i>Fluid Phase Equilibria</i> , 2011, 302, 316-320.	1.4	59
107	Selective Adsorption of Light Alkanes on a Highly Robust Indium Based Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4488-4495.	1.8	59
108	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> , 2021, 35, 48-68.	1.2	59

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109	Effects of external electric fields on lysozyme adsorption by molecular dynamics simulations. <i>Biophysical Chemistry</i> , 2013, 179, 26-34.	1.5	58
110	Modulating the Schottky barriers in MoS ₂ /MXenes heterostructures via surface functionalization and electric field. <i>Applied Surface Science</i> , 2019, 480, 199-204.	3.1	58
111	Feasibility of stochastic gradient boosting approach for predicting rockburst damage in burst-prone mines. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1938-1945.	1.7	57
112	Unusual Moisture-Enhanced CO ₂ Capture within Microporous PCN-250 Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38638-38647.	4.0	57
113	Understanding the curvature effect of silica nanoparticles on lysozyme adsorption orientation and conformation: a mesoscopic coarse-grained simulation study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23500-23507.	1.3	56
114	Patterning Graphitic C ₆₀ N Sheets into a Kagome Lattice for Magnetic Materials. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 259-263.	2.1	55
115	Strain-Induced Spin Crossover in Phthalocyanine-Based Organometallic Sheets. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3109-3114.	2.1	54
116	Multiscale Simulations of Protein G B1 Adsorbed on Charged Self-Assembled Monolayers. <i>Langmuir</i> , 2013, 29, 11366-11374.	1.6	54
117	Porous core-shell carbon fibers derived from lignin and cellulose nanofibrils. <i>Materials Letters</i> , 2013, 109, 175-178.	1.3	53
118	Three-dimensional topological acoustic crystals with pseudospin-valley coupled saddle surface states. <i>Nature Communications</i> , 2018, 9, 4555.	5.8	53
119	Application of a modified Ostwald ripening theory in coarsening of δ phases in Ni based single crystal superalloys. <i>Journal of Alloys and Compounds</i> , 2015, 632, 558-562.	2.8	52
120	Giant positive magnetoresistance in half-metallic double-perovskite Sr ₂ CrWO ₆ thin films. <i>Science Advances</i> , 2017, 3, e1701473.	4.7	52
121	Computational mining of Janus Sc ₂ C-based MXenes for spintronic, photocatalytic, and solar cell applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10882-10892.	5.2	52
122	First-principles investigations of electronic and mechanical properties for stable Ge ₂ Sb ₂ Te ₅ with van der Waals corrections. <i>Computational Materials Science</i> , 2014, 82, 66-69.	1.4	51
123	Molecular Understanding of the Penetration of Functionalized Gold Nanoparticles into Asymmetric Membranes. <i>Langmuir</i> , 2017, 33, 361-371.	1.6	51
124	High thermoelectric performance of few-quintuple Sb ₂ Te ₃ nanofilms. <i>Nano Energy</i> , 2018, 43, 285-290.	8.2	51
125	Abnormally Strong Electron-Phonon Scattering Induced Unprecedented Reduction in Lattice Thermal Conductivity of Two-Dimensional Nb ₂ C. <i>Journal of the American Chemical Society</i> , 2019, 141, 8503-8508.	6.6	51
126	Two-dimensional chromium boride MBenes with high HER catalytic activity. <i>Applied Surface Science</i> , 2020, 500, 144248.	3.1	50

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127	Molecular simulations on nanoconfined water molecule behaviors for nanoporous material applications. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 191-205.	1.0	49
128	Computer simulations of fibronectin adsorption on hydroxyapatite surfaces. <i>RSC Advances</i> , 2014, 4, 15759.	1.7	49
129	New gallium chalcogenides/arsenene van der Waals heterostructures promising for photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15995-16004.	3.8	49
130	Global variation of soil microbial carbon-use efficiency in relation to growth temperature and substrate supply. <i>Scientific Reports</i> , 2019, 9, 5621.	1.6	49
131	Influence of lattice distortion on stacking fault energies of CoCrFeNi and Al-CoCrFeNi high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156321.	2.8	49
132	High strain rate compressive strength behavior of cemented paste backfill using split Hopkinson pressure bar. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 387-399.	4.6	49
133	Performance evaluation of hybrid GA-SVM and GWO-SVM models to predict earthquake-induced liquefaction potential of soil: a multi-dataset investigation. <i>Engineering With Computers</i> , 2022, 38, 4197-4215.	3.5	49
134	Molecular Dynamics Study on Diameter Effect in Structure of Ethanol Molecules Confined in Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15677-15685.	1.5	48
135	Molecular dynamics simulations of peptide adsorption on self-assembled monolayers. <i>Applied Surface Science</i> , 2012, 258, 8153-8159.	3.1	48
136	Replica-Exchange Molecular Dynamics Simulation of Basic Fibroblast Growth Factor Adsorption on Hydroxyapatite. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5843-5852.	1.2	48
137	Molecular dynamics simulations of conformation changes of HIV-1 regulatory protein on graphene. <i>Applied Surface Science</i> , 2016, 377, 324-334.	3.1	48
138	Sensing fluctuating airflow with spider silk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12120-12125.	3.3	47
139	Contacting MoS ₂ to MXene: Vanishing p-Type Schottky Barrier and Enhanced Hydrogen Evolution Catalysis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3719-3726.	1.5	47
140	I-doped Cu ₂ Se nanocrystals for high-performance thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2019, 772, 366-370.	2.8	47
141	Unraveling the Order and Disorder in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Nanofilms. <i>Macromolecules</i> , 2015, 48, 5688-5696.	2.2	46
142	Vacancy-mediated lithium adsorption and diffusion on MXene. <i>Applied Surface Science</i> , 2019, 488, 578-585.	3.1	46
143	Quantum spin Hall phase in Mo ₂ M ₂ C ₃ O ₂ (M = Ti, Zr). <i>Tj ETQq</i> 1.1 0.784314 rgBT 2.7 45	1.1	45
144	Protein Translocation through a MoS ₂ Nanopore: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2070-2080.	1.5	45

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145	Employing a genetic algorithm and grey wolf optimizer for optimizing RF models to evaluate soil liquefaction potential. <i>Artificial Intelligence Review</i> , 2022, 55, 5673-5705.	9.7	45
146	Effect of water content on microstructures and oxygen permeation in PSiMA-IPN-PMPC hydrogel: a molecular simulation study. <i>Chemical Engineering Science</i> , 2012, 78, 236-245.	1.9	44
147	Role of oxygen vacancies in the resistive switching of SrZrO ₃ for resistance random access memory. <i>Journal of Alloys and Compounds</i> , 2013, 580, 148-151.	2.8	44
148	Carrier induced magnetic coupling transitions in phthalocyanine-based organometallic sheet. <i>Nanoscale</i> , 2014, 6, 328-333.	2.8	44
149	Chemical compositions and antibacterial activities of essential oils extracted from <i>Alpinia guilinensis</i> against selected foodborne pathogens. <i>Industrial Crops and Products</i> , 2016, 83, 607-613.	2.5	44
150	Strengthening mechanism of aluminum on elastic properties of NbVTiZr high-entropy alloys. <i>Intermetallics</i> , 2018, 92, 7-14.	1.8	44
151	Determination of mechanical, flowability, and microstructural properties of cemented tailings backfill containing rice straw. <i>Construction and Building Materials</i> , 2020, 246, 118520.	3.2	44
152	Predicting pillar stability for underground mine using Fisher discriminant analysis and SVM methods. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 2734-2743.	1.7	43
153	Molecular dynamics simulations on the melting of gold nanoparticles. <i>Phase Transitions</i> , 2014, 87, 59-70.	0.6	42
154	Tailoring Li adsorption on graphene. <i>Physical Review B</i> , 2014, 90, .	1.1	42
155	Investigation of the Quasi-Brittle Failure of Alashan Granite Viewed from Laboratory Experiments and Grain-Based Discrete Element Modeling. <i>Materials</i> , 2017, 10, 835.	1.3	42
156	Origin of p -type conductivity in layered GeTe	1.1	41
157	Numerical Modeling and Investigation of Fluid-Driven Fracture Propagation in Reservoirs Based on a Modified Fluid-Mechanically Coupled Model in Two-Dimensional Particle Flow Code. <i>Energies</i> , 2016, 9, 699.	1.6	41
158	Multi-level phase-change memory with ultralow power consumption and resistance drift. <i>Science Bulletin</i> , 2021, 66, 2217-2224.	4.3	41
159	Intrinsic ferromagnetism in two-dimensional carbon structures: Triangular graphene nanoflakes linked by carbon chains. <i>Physical Review B</i> , 2011, 84, .	1.1	40
160	Self-assembled core-shell and Janus microphase separated structures of polymer blends in aqueous solution. <i>Journal of Chemical Physics</i> , 2013, 139, 084907.	1.2	40
161	Buckled Conductive Polymer Ribbons in Elastomer Channels as Stretchable Fiber Conductor. <i>Advanced Functional Materials</i> , 2020, 30, 1907316.	7.8	40
162	High-harmonic generation in Weyl semimetal $\hat{1}^2$ -WP2 crystals. <i>Nature Communications</i> , 2021, 12, 6437.	5.8	40

#	ARTICLE	IF	CITATIONS
163	Fisher discriminant analysis model and its application for prediction of classification of rockburst in deep-buried long tunnel. <i>Science in China Series A: Mathematics</i> , 2010, 16, 144-149.	0.2	39
164	Soluble Receptor for Advanced Glycation End Product Ameliorates Chronic Intermittent Hypoxia Induced Renal Injury, Inflammation, and Apoptosis via P38/JNK Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-13.	1.9	39
165	Making a Bilateral Compression/Tension Sensor by Pre-Stretching Open-Crack Networks in Carbon Nanotube Papers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33507-33515.	4.0	39
166	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> , 2021, 7, 1.	1.3	39
167	Enhanced Hydrogen Storage on Li Functionalized BC ₃ Nanotube. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6136-6140.	1.5	38
168	A highly stretchable strain-insensitive temperature sensor exploits the Seebeck effect in nanoparticle-based printed circuits. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24493-24501.	5.2	38
169	Molecular dynamics investigation on the infinite dilute diffusion coefficients of organic compounds in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 2000, 172, 279-291.	1.4	37
170	Ab initio study of the structure and chemical bonding of stable Ge ₃ Sb ₂ Te ₆ . <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1585.	1.3	37
171	Green algal over cyanobacterial dominance promoted with nitrogen and phosphorus additions in a mesocosm study at Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5041-5049.	2.7	37
172	Molecular Understanding on the Underwater Oleophobicity of Self-Assembled Monolayers: Zwitterionic versus Nonionic. <i>Langmuir</i> , 2017, 33, 1732-1741.	1.6	37
173	Highly Efficient Enzymatic Acylation of Dihydromyricetin by the Immobilized Lipase with Deep Eutectic Solvents as Cosolvent. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2084-2088.	2.4	37
174	Probability of cancer in high-risk patients predicted by the protein-based lung cancer biomarker panel in China: LCBP study. <i>Cancer</i> , 2018, 124, 262-270.	2.0	37
175	Fast crystallization of chalcogenide glass for rewritable memories. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	36
176	Anisotropic Motion of Electroactive Papers Coated with PEDOT/PSS. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 671-675.	1.7	36
177	Influence of hydrogen bonds and double bonds on the alkane and alkene derivatives self-assembled monolayers on HOPG surface: STM observation and computer simulation. <i>Applied Surface Science</i> , 2010, 256, 4647-4655.	3.1	36
178	Drastic modification of the piezoresistive behavior of polymer nanocomposites by using conductive polymer coatings. <i>Composites Science and Technology</i> , 2015, 117, 342-350.	3.8	36
179	Electric-Field Effects on Ionic Hydration: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5991-5998.	1.2	36
180	Modulation engineering of 2D MXene-based compounds for metal-ion batteries. <i>Nanoscale</i> , 2019, 11, 23092-23104.	2.8	36

#	ARTICLE	IF	CITATIONS
181	Two-dimensional molybdenum carbides: active electrocatalysts for the nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23947-23954.	5.2	36
182	Pressure-induced topological insulating behavior in the ternary chalcogenide GeSb_2Te_5 . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12737-12746.	1.1	35
183	Solvent-responsive Behavior of Polymer Brush Modified Amphiphilic Gold Nanoparticles. <i>Macromolecular Theory and Simulations</i> , 2013, 22, 174-186.	0.6	35
184	Mesoscopic coarse-grained simulations of hydrophobic charge induction chromatography (HCIC) for protein purification. <i>AIChE Journal</i> , 2015, 61, 2035-2047.	1.8	35
185	Electrostatics-mediated Ca^{2+} -chymotrypsin inhibition by functionalized single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 986-995.	1.3	35
186	Dual-regulation strategy to enhance electrochemical catalysis ability of NiCo_2O_4 for polysulfides conversion in Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131109.	6.6	35
187	Stable nitride complex and molecular nitrogen in N doped amorphous $\text{Ge}_2\text{Sb}_2\text{Te}_5$. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	34
188	How to fabricate a semihydrogenated graphene sheet? A promising strategy explored. <i>Applied Physics Letters</i> , 2012, 101, 073114.	1.5	34
189	Foldable Textile Electronic Devices Using All-Organic Conductive Fibers. <i>Advanced Engineering Materials</i> , 2014, 16, 550-555.	1.6	34
190	Probing the Role of Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate)-Coated Multiwalled Carbon Nanotubes in the Thermal and Mechanical Properties of Polycarbonate Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 3539-3549.	1.8	34
191	Effects of wind wave turbulence on the phytoplankton community composition in large, shallow Lake Taihu. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12737-12746.	2.7	34
192	Synergistic Resistive Switching Mechanism of Oxygen Vacancies and Metal Interstitials in Ta_2O_5 . <i>Journal of Physical Chemistry C</i> , 2016, 120, 2456-2463.	1.5	34
193	Identifying optimal dopants for Sb_2Te_3 phase-change material by high-throughput ab initio calculations with experiments. <i>Computational Materials Science</i> , 2019, 165, 51-58.	1.4	34
194	Few-layer arsenic trichalcogenides: Emerging two-dimensional semiconductors with tunable indirect-direct band-gaps. <i>Journal of Alloys and Compounds</i> , 2017, 699, 554-560.	2.8	33
195	Effect of Dietary Copper on Intestinal Microbiota and Antimicrobial Resistance Profiles of <i>Escherichia coli</i> in Weaned Piglets. <i>Frontiers in Microbiology</i> , 2019, 10, 2808.	1.5	33
196	Computer Simulations on a pH-Responsive Anticancer Drug Delivery System Using Zwitterion-Grafted Polyamidoamine Dendrimer Unimolecular Micelles. <i>Langmuir</i> , 2021, 37, 1225-1234.	1.6	33
197	Prediction of thermoelectric performance for layered IV-V-VI semiconductors by high-throughput ab initio calculations and machine learning. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	33
198	Tuning the packing density of host molecular self-assemblies at the solid-liquid interface using guest molecule. <i>Chemical Communications</i> , 2010, 46, 8830.	2.2	32

#	ARTICLE	IF	CITATIONS
199	Sc-phthalocyanine sheet: Promising material for hydrogen storage. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	32
200	Identification of large-scale goaf instability in underground mine using particle swarm optimization and support vector machine. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 701-707.	4.6	32
201	First principles investigation of the structure and electronic properties of Cu ₂ Te. <i>Computational Materials Science</i> , 2014, 81, 163-169.	1.4	32
202	Bilirubin Oxidase Adsorption onto Charged Self-Assembled Monolayers: Insights from Multiscale Simulations. <i>Langmuir</i> , 2018, 34, 9818-9828.	1.6	32
203	Comprehensive understanding of intrinsic mobility in the monolayers of III-VI group 2D materials. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21898-21907.	1.3	32
204	MXenes: promising donor and acceptor materials for high-efficiency heterostructure solar cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 135-143.	2.5	32
205	Breaking the linear scaling relations in MXene catalysts for efficient CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 429, 132171.	6.6	32
206	Turbulence increases the risk of microcystin exposure in a eutrophic lake (Lake Taihu) during cyanobacterial bloom periods. <i>Harmful Algae</i> , 2016, 55, 213-220.	2.2	31
207	A New Type of Three-Dimensional Hybrid Polymeric Haloplumbate Based on Rare High-Nuclear Heterometallic Clusters. <i>Inorganic Chemistry</i> , 2018, 57, 12860-12868.	1.9	31
208	Pre-combustion CO ₂ capture by transition metal ions embedded in phthalocyanine sheets. <i>Journal of Chemical Physics</i> , 2012, 136, 234703.	1.2	30
209	Alcohol Recognition by Flexible, Transparent and Highly Sensitive Graphene-Based Thin-Film Sensors. <i>Scientific Reports</i> , 2017, 7, 4317.	1.6	30
210	Molecular Simulations of Cytochrome <i>c</i> Adsorption on a Bare Gold Surface: Insights for the Hindrance of Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20773-20781.	1.5	29
211	Molecular simulations of cytochrome <i>c</i> adsorption on positively charged surfaces: the influence of anion type and concentration. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9979-9989.	1.3	29
212	Molecular Understanding of Laccase Adsorption on Charged Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10610-10617.	1.2	29
213	Understanding the Cellular Uptake of pH-Responsive Zwitterionic Gold Nanoparticles: A Computer Simulation Study. <i>Langmuir</i> , 2017, 33, 14480-14489.	1.6	29
214	Strain-tunable electronic structures and optical properties of semiconducting MXenes. <i>Nanotechnology</i> , 2019, 30, 345205.	1.3	29
215	Functionalized Mo ₂ B ₂ MBenes: Promising anchoring and electrocatalysis materials for Lithium-Sulfur battery. <i>Applied Surface Science</i> , 2021, 566, 150634.	3.1	29
216	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> , 2020, 8, 1238-1246.	5.2	29

#	ARTICLE	IF	CITATIONS
217	Novel Ensemble Tree Solution for Rockburst Prediction Using Deep Forest. <i>Mathematics</i> , 2022, 10, 787.	1.1	29
218	Influence of substituting Mo for W on solidification characteristics of Re-containing Ni based single crystal superalloy. <i>Journal of Alloys and Compounds</i> , 2018, 754, 85-92.	2.8	28
219	2D Magnetic Janus Semiconductors with Exotic Structural and Quantum-Phase Transitions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3922-3928.	2.1	28
220	Ionic Liquid Confined in Nafion: Toward Molecular-Level Understanding. <i>AIChE Journal</i> , 2013, 59, 2630-2639.	1.8	27
221	Will enhanced turbulence in inland waters result in elevated production of autochthonous dissolved organic matter?. <i>Science of the Total Environment</i> , 2016, 543, 405-415.	3.9	27
222	Stress Relaxation and Refractive Index Change of As_2S_3 in Compression Molding. <i>International Journal of Applied Glass Science</i> , 2017, 8, 255-265.	1.0	27
223	Strengthening effects of alloying elements W and Re on Ni ₃ Al: A first-principles study. <i>Computational Materials Science</i> , 2018, 144, 23-31.	1.4	27
224	pH-Responsive Zwitterionic Copolymer DHA- <i>b</i> -PBLG- <i>b</i> -PCB for Targeted Drug Delivery: A Computer Simulation Study. <i>Langmuir</i> , 2019, 35, 1944-1953.	1.6	27
225	Self-consistent determination of Hubbard U for explaining the anomalous magnetism of the Gd ₁₃ cluster. <i>Physical Review B</i> , 2014, 89, 114407.	1.1	26
226	Dislocation network with pair-coupling structure in $\{111\}$ $\sqrt{3}\sqrt{3}$ interface of Ni-based single crystal superalloy. <i>Scientific Reports</i> , 2016, 6, 29941.	1.6	26
227	Infrared and Raman spectra of Bi ₂ O ₂ X and Bi ₂ OX ₂ (X = S, Se, and Te) studied from first principles calculations. <i>RSC Advances</i> , 2019, 9, 18042-18049.	1.7	26
228	Electrostatic Effect of Functional Surfaces on the Activity of Adsorbed Enzymes: Simulations and Experiments. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35676-35687.	4.0	26
229	Fiber-Reinforced Cemented Paste Backfill: The Effect of Fiber on Strength Properties and Estimation of Strength Using Nonlinear Models. <i>Materials</i> , 2020, 13, 718.	1.3	26
230	High probability of nitrogen and phosphorus co-limitation occurring in eutrophic lakes. <i>Environmental Pollution</i> , 2022, 292, 118276.	3.7	26
231	The anomalous flow behaviour in the layered Ti ₃ SiC ₂ ceramic. <i>Philosophical Magazine Letters</i> , 2000, 80, 289-293.	0.5	25
232	First-principles calculations of the $\sqrt{2}\sqrt{2}$ -Mg ₇ Gd precipitate in Mg-Gd binary alloys. <i>Science Bulletin</i> , 2011, 56, 1142-1146.	1.7	25
233	Interfacial and Phase Transfer Behaviors of Polymer Brush Grafted Amphiphilic Nanoparticles: A Computer Simulation Study. <i>Langmuir</i> , 2014, 30, 5599-5608.	1.6	25
234	Investigating the Inter-Tube Conduction Mechanism in Polycarbonate Nanocomposites Prepared with Conductive Polymer-Coated Carbon Nanotubes. <i>Nanoscale Research Letters</i> , 2015, 10, 485.	3.1	25

#	ARTICLE	IF	CITATIONS
235	Structural properties of polymer-brush-grafted gold nanoparticles at the oil/water interface: insights from coarse-grained simulations. <i>Soft Matter</i> , 2016, 12, 3352-3359.	1.2	25
236	Investigation of Processes of Interaction between Hydraulic and Natural Fractures by PFC Modeling Comparing against Laboratory Experiments and Analytical Models. <i>Energies</i> , 2017, 10, 1001.	1.6	25
237	Dietary lysozyme supplementation contributes to enhanced intestinal functions and gut microflora of piglets. <i>Food and Function</i> , 2019, 10, 1696-1706.	2.1	25
238	Simulated revelation of the adsorption behaviours of acetylcholinesterase on charged self-assembled monolayers. <i>Nanoscale</i> , 2020, 12, 3701-3714.	2.8	25
239	CHD4 mediates proliferation and migration of non-small cell lung cancer via the RhoA/ROCK pathway by regulating PHF5A. <i>BMC Cancer</i> , 2020, 20, 262.	1.1	25
240	MXenes modified by single transition metal atom for hydrogen evolution reaction catalysts. <i>Applied Surface Science</i> , 2021, 562, 150151.	3.1	25
241	Hydrolysis-controlled protein adsorption and antifouling behaviors of mixed charged self-assembled monolayer: A molecular simulation study. <i>Acta Biomaterialia</i> , 2016, 40, 23-30.	4.1	24
242	On the propagation of gravity currents over and through a submerged array of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2017, 831, 394-417.	1.4	24
243	A Series of Lanthanide Germanate Oxo Clusters Decorated by 1,10-Phenanthroline Chromophores. <i>Inorganic Chemistry</i> , 2017, 56, 10361-10369.	1.9	24
244	Effect of Substrate symmetry on the dendrite morphology of MoS ₂ Film synthesized by CVD. <i>Scientific Reports</i> , 2017, 7, 15166.	1.6	24
245	Structural stability and mechanical properties of Co ₃ (Al, M) (M = Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W) compounds. <i>Computational Materials Science</i> , 2018, 148, 27-37.	1.4	24
246	Synergy effect of co-doping Sc and Y in Sb ₂ Te ₃ for phase-change memory. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6672-6679.	2.7	24
247	Effect of Ta addition on solidification characteristics of CoCrFeNiTa _x eutectic high entropy alloys. <i>Intermetallics</i> , 2020, 120, 106769.	1.8	24
248	Effect of dopants on the structure and properties of Ge ₂ Sb ₂ Te ₅ studied by Ab initio calculations. <i>Solid State Communications</i> , 2008, 148, 113-116.	0.9	23
249	Electrochemical deposition of Bi ₂ Te ₃ -based thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1131-1136.	1.9	23
250	Structures and properties of PAMAM dendrimer: A multi-scale simulation study. <i>Fluid Phase Equilibria</i> , 2011, 302, 43-47.	1.4	23
251	The synergetic effects of turbulence and turbidity on the zooplankton community structure in large, shallow Lake Taihu. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1168-1175.	2.7	23
252	Molecular mechanism of HIV-1 TAT peptide and its conjugated gold nanoparticles translocating across lipid membranes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10300-10310.	1.3	23

#	ARTICLE	IF	CITATIONS
253	Are nitrogen-to-phosphorus ratios of Chinese lakes actually increasing?. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21000-21002.	3.3	23
254	Integrating unascertained measurement and information entropy theory to assess blastability of rock mass. Journal of Central South University, 2012, 19, 1953-1960.	1.2	22
255	Structure, Stability, and Property Modulations of Stoichiometric Graphene Oxide. Journal of Physical Chemistry C, 2013, 117, 1064-1070.	1.5	22
256	A mechanical nanogate based on a carbon nanotube for reversible control of ion conduction. Nanoscale, 2014, 6, 3686-3694.	2.8	22
257	Investigation on the friction coefficient between graphene-coated silicon and glass using barrel compression test. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, .	0.6	22
258	Influence of solidification history on precipitation behavior of TCP phase in a completely heat-treated Ni3Al based single crystal superalloy during thermal exposure. Journal of Alloys and Compounds, 2017, 722, 740-745.	2.8	22
259	Zwitterionic Membrane via Nonsolvent Induced Phase Separation: A Computer Simulation Study. Langmuir, 2019, 35, 1973-1983.	1.6	22
260	Lyophilized powder of mesenchymal stem cell supernatant attenuates acute lung injury through the IL-6/p-STAT3/p63/JAG2 pathway. Stem Cell Research and Therapy, 2021, 12, 216.	2.4	22
261	Experimental warming reduces ecosystem resistance and resilience to severe flooding in a wetland. Science Advances, 2022, 8, eabl9526.	4.7	22
262	Directional electromechanical properties of PEDOT/PSS films containing aligned electrospun nanofibers. Polymer Journal, 2011, 43, 849-854.	1.3	21
263	Molecular simulation on the separation of water/ethanol azeotropic mixture by poly(vinyl alcohol) membrane. Fluid Phase Equilibria, 2011, 302, 14-20.	1.4	21
264	Macroporous conductive polymer films fabricated by electrospun nanofiber templates and their electromechanical properties. Nanotechnology, 2011, 22, 275501.	1.3	21
265	Molecular Simulation of Oxygen Sorption and Diffusion in the Poly (lactic acid). Chinese Journal of Chemical Engineering, 2013, 21, 301-309.	1.7	21
266	Experimental and Theoretical Analysis of Fast Lithium Ionic Conduction in a LiBH ₄ /C ₆₀ Nanocomposite. Journal of Physical Chemistry C, 2014, 118, 21755-21761.	1.5	21
267	Damage constitutive model of different age concretes under impact load. Journal of Central South University, 2015, 22, 693-700.	1.2	21
268	Molecular Simulation Study of Feruloyl Esterase Adsorption on Charged Surfaces: Effects of Surface Charge Density and Ionic Strength. Langmuir, 2015, 31, 10751-10763.	1.6	21
269	Application of Hilbert-Huang transform based delay time identification in optimization of short millisecond blasting. Transactions of Nonferrous Metals Society of China, 2016, 26, 1965-1974.	1.7	21
270	Phase Behavior of an Amphiphilic Block Copolymer in Ionic Liquid: A Dissipative Particle Dynamics Study. Journal of Chemical & Engineering Data, 2016, 61, 3998-4005.	1.0	21

#	ARTICLE	IF	CITATIONS
271	Underwater Superoleophobicity of Pseudozwitterionic SAMs: Effects of Chain Length and Ionic Strength. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17390-17401.	1.5	21
272	Reduction of thermal conductivity in YSb_2Te_3 for phase change memory. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	21
273	CFD Simulation of Pipeline Transport Properties of Mine Tailings Three-Phase Foam Slurry Backfill. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 149.	0.8	21
274	iTRAQ-Based Quantitative Proteomics Suggests Synaptic Mitochondrial Dysfunction in the Hippocampus of Rats Susceptible to Chronic Mild Stress. <i>Neurochemical Research</i> , 2018, 43, 2372-2383.	1.6	21
275	Unprecedented Wiring Efficiency of Sulfonated Graphitic Carbon Nitride Materials: Toward High-Performance Amperometric Recombinant CotA Laccase Biosensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1474-1484.	3.2	21
276	Optimization of postblast ore boundary determination using a novel sine cosine algorithm-based random forest technique and Monte Carlo simulation. <i>Engineering Optimization</i> , 2021, 53, 1467-1482.	1.5	21
277	Hydrogen storage in Al-N cage based nanostructures. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	20
278	First-principles investigations on phase stability and electronic structures of $\text{Yb}_2\text{M}_x\text{Al}_3$ ($\text{M} = \text{Ho, Er}$) $\text{ETQqO}_0.0\text{rgBT/Overlock 10}$	1.8	20
279	Mechanical properties and electronic structure of the incompressible rhenium carbides and nitrides: A first-principles study. <i>Solid State Communications</i> , 2011, 151, 1842-1845.	0.9	20
280	Electronic origin of the anomalous solid solution hardening of Y and Gd in Mg: A first-principles study. <i>Science Bulletin</i> , 2011, 56, 1038-1042.	1.7	20
281	Design principles of tuning oxygen vacancy diffusion in SrZrO_3 for resistance random access memory. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4081-4085.	2.7	20
282	Denatonium inhibits growth and induces apoptosis of airway epithelial cells through mitochondrial signaling pathways. <i>Respiratory Research</i> , 2015, 16, 13.	1.4	20
283	Feasibility of Recycling Ultrafine Leaching Residue by Backfill: Experimental and CFD Approaches. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 54.	0.8	20
284	Influence of Grain Size Heterogeneity and In-Situ Stress on the Hydraulic Fracturing Process by PFC2D Modeling. <i>Energies</i> , 2018, 11, 1413.	1.6	20
285	Role of carbon-rings in polycrystalline GeSb_2Te_4 phase-change material. <i>Journal of Alloys and Compounds</i> , 2019, 782, 852-858.	2.8	20
286	Near-field mean flow dynamics of a cylindrical canopy patch suspended in deep water. <i>Journal of Fluid Mechanics</i> , 2019, 858, 634-655.	1.4	20
287	A new hybrid model of information entropy and unascertained measurement with different membership functions for evaluating distressability in burst-prone underground mines. <i>Engineering With Computers</i> , 2022, 38, 381-399.	3.5	20
288	Developing a hybrid model of information entropy and unascertained measurement theory for evaluation of the excavatability in rock mass. <i>Engineering With Computers</i> , 2022, 38, 247-270.	3.5	20

#	ARTICLE	IF	CITATIONS
289	Molecular simulations of myoglobin adsorbed on rutile (110) and (001) surfaces. <i>Fluid Phase Equilibria</i> , 2014, 362, 349-354.	1.4	19
290	Realization of a reversible switching in TaO ₂ polymorphs via Peierls distortion for resistance random access memory. <i>Applied Physics Letters</i> , 2015, 106, 091903.	1.5	19
291	Pressure-induced semimetal-semiconductor transition and enhancement of thermoelectric performance in \pm -MgAgSb. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	19
292	Mesoscopic Structures of Poly(carboxybetaine) Block Copolymer and Poly(ethylene glycol) Block Copolymer in Solutions. <i>Langmuir</i> , 2017, 33, 7575-7582.	1.6	19
293	First-principles study of lattice thermal conductivity in ZrTe ₅ and HfTe ₅ . <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	19
294	Catechol and Its Derivatives Adhesion on Graphene: Insights from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22965-22974.	1.5	19
295	Computer simulations of the adsorption of an N-terminal peptide of statherin, SN15, and its mutants on hydroxyapatite surfaces. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9342-9351.	1.3	19
296	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> , 2021, 143, 104794.	2.6	19
297	Magnetism of two-dimensional triangular nanoflake-based kagome lattices. <i>New Journal of Physics</i> , 2012, 14, 033043.	1.2	18
298	Insight into the role of oxygen in the phase-change material GeTe. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3592-3599.	2.7	18
299	Catechol cation adhesion on silica surfaces: molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29222-29231.	1.3	18
300	Coincident modulation of lattice and electron thermal transport performance in MXenes \pm surface functionalization. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19689-19697.	1.3	18
301	Influence of Polypropylene Fiber Reinforcement on Tensile Behavior and Failure Mode of Tailings Cemented Paste Backfill. <i>IEEE Access</i> , 2019, 7, 69015-69026.	2.6	18
302	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> , 2020, 705, 135993.	3.9	18
303	Ab initio study of the phase stability and mechanical properties of 5d transition metal nitrides MN ₂ . <i>Journal of Alloys and Compounds</i> , 2009, 472, 425-428.	2.8	17
304	Missense mutations in IHH impair Indian Hedgehog signaling in C3H10T1/2 cells: Implications for brachydactyly type A1, and new targets for Hedgehog signaling. <i>Cellular and Molecular Biology Letters</i> , 2010, 15, 153-76.	2.7	17
305	First-principles investigation of mechanical and thermodynamic properties of the rare earth intermetallic YbAl ₃ under pressure. <i>Intermetallics</i> , 2012, 22, 92-98.	1.8	17
306	Using carbon chains to mediate magnetic coupling in zigzag graphene nanoribbons. <i>Applied Physics Letters</i> , 2012, 100, 173106.	1.5	17

#	ARTICLE	IF	CITATIONS
307	Effect of rare earth elements on the structures and mechanical properties of magnesium alloys. Science Bulletin, 2013, 58, 816-820.	1.7	17
308	Absorption induced modulation of magnetism in two-dimensional metal-phthalocyanine porous sheets. Journal of Chemical Physics, 2013, 138, 204706.	1.2	17
309	Serum chemokine network correlates with chemotherapy in non-small cell lung cancer. Cancer Letters, 2015, 365, 57-67.	3.2	17
310	Misorientation induced by withdrawal rate transition and its effect on intermediate temperature stress rupture properties of a Ni3Al based single crystal superalloy. Journal of Alloys and Compounds, 2015, 637, 77-83.	2.8	17
311	Response of zooplankton community to turbulence in large, shallow Lake Taihu: a mesocosm experiment. Fundamental and Applied Limnology, 2016, 187, 315-324.	0.4	17
312	A series of lanthanide glutarates: lanthanide contraction effect on crystal frameworks of lanthanide glutarates. RSC Advances, 2017, 7, 17934-17940.	1.7	17
313	Hamiltonian replica exchange simulations of glucose oxidase adsorption on charged surfaces. Physical Chemistry Chemical Physics, 2018, 20, 14587-14596.	1.3	17
314	Insight into the role of W in amorphous GeTe for phase-change memory. Journal of Alloys and Compounds, 2018, 738, 270-276.	2.8	17
315	Computer Simulation of DNA Condensation by PAMAM Dendrimer. Macromolecular Theory and Simulations, 2018, 27, 1700070.	0.6	17
316	Novel MXene-based hierarchically porous composite as superior electrodes for Li-ion storage. Applied Surface Science, 2020, 530, 147214.	3.1	17
317	Tunable phase transitions and high photovoltaic performance of two-dimensional In ₂ Ge ₂ Te ₆ semiconductors. Nanoscale Horizons, 2020, 5, 1566-1573.	4.1	17
318	Vacancy formation energy and its connection with bonding environment in solid: A high-throughput calculation and machine learning study. Computational Materials Science, 2020, 183, 109803.	1.4	17
319	Vanadoborates: cluster-based architectures, preparation and properties. Dalton Transactions, 2021, 50, 1550-1568.	1.6	17
320	Local structure of liquid Ge ₁ Sb ₂ Te ₄ for rewritable data storage use. Journal of Physics Condensed Matter, 2008, 20, 205102.	0.7	16
321	Tuning the properties of graphene using a reversible gas-phase reaction. NPG Asia Materials, 2012, 4, e31-e31.	3.8	16
322	Intermediate Phases during Decomposition of Metal Borohydrides, M(BH ₄) _n (M = Na, Mg, Y). Journal of Physical Chemistry C, 2014, 118, 28456-28461.	1.5	16
323	Numerical Evaluation on the Curve Deviation of the Molded Glass Lens. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	1.3	16
324	Metastable Stacking-Polymorphism in Ge ₂ Sb ₂ Te ₅ . Inorganic Chemistry, 2017, 56, 11990-11997.	1.9	16

#	ARTICLE	IF	CITATIONS
325	Preparation of water-soluble graphene nanoplatelets and highly conductive films. <i>Carbon</i> , 2017, 124, 133-141.	5.4	16
326	Experimental and 3D MPFEM simulation study on the green density of TiAl ₄ powder compact during uniaxial high velocity compaction. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153226.	2.8	16
327	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> , 2021, 11, 143.	2.4	16
328	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> , 2021, 11, 1922.	1.3	16
329	Design and fabrication of a micromachined gyroscope with high shock resistance. <i>Microsystem Technologies</i> , 2014, 20, 137-144.	1.2	15
330	Designing new amine functionalized metal-organic frameworks for carbon dioxide/methane separation. <i>Fluid Phase Equilibria</i> , 2014, 362, 342-348.	1.4	15
331	Hydrothermal synthesis and thermoelectric transport properties of PbTe nanocubes. <i>Materials Research Bulletin</i> , 2015, 61, 404-408.	2.7	15
332	Improving Estimations of Spatial Distribution of Soil Respiration Using the Bayesian Maximum Entropy Algorithm and Soil Temperature as Auxiliary Data. <i>PLoS ONE</i> , 2016, 11, e0146589.	1.1	15
333	Effects of Nutrient on Algae Biomass during Summer and Winter in Inflow Rivers of Taihu Basin, China. <i>Water Environment Research</i> , 2016, 88, 665-672.	1.3	15
334	Structural stability and thermoelectric property optimization of Ca ₂ Si. <i>RSC Advances</i> , 2017, 7, 8936-8943.	1.7	15
335	A novel 3-D photoluminescent cuprous chloride polymer based on bifunctional imidazolate/tetrazolate bridges. <i>Dalton Transactions</i> , 2017, 46, 1372-1376.	1.6	15
336	Effects of turbulence on carbon emission in shallow lakes. <i>Journal of Environmental Sciences</i> , 2018, 69, 166-172.	3.2	15
337	Approaching the Strain-Free Limit in Ultrathin Nanomechanical Resonators. <i>Nano Letters</i> , 2020, 20, 5693-5698.	4.5	15
338	Novel approach to evaluate rock mass fragmentation in block caving using unascertained measurement model and information entropy with flexible credible identification criterion. <i>Engineering With Computers</i> , 2022, 38, 3789-3809.	3.5	15
339	Molecular fingerprint and machine learning to accelerate design of high-performance homochiral metal-organic frameworks. <i>AIChE Journal</i> , 2021, 67, e17352.	1.8	15
340	Structural stability and mechanical properties of B2 ordered refractory AlNbTiVZr high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161289.	2.8	15
341	Computer Simulations on the Anticancer Drug Delivery System of Docetaxel and PLGA-PEG Copolymer. <i>Acta Chimica Sinica</i> , 2012, 70, 2445.	0.5	15
342	Phase stability and electronic structures of YbAl ₃ xMx (M=Mg, Cu, Zn, In and Sn) studied by first-principles calculations. <i>Intermetallics</i> , 2009, 17, 995-999.	1.8	14

#	ARTICLE	IF	CITATIONS
343	Advanced Monte Carlo simulations of the adsorption of chiral alcohols in a homochiral metal-organic framework. <i>AIChE Journal</i> , 2014, 60, 2324-2334.	1.8	14
344	Influence of withdrawal rate on last stage solidification path of a Mo-rich Ni3Al based single crystal superalloy. <i>Journal of Alloys and Compounds</i> , 2015, 623, 362-366.	2.8	14
345	Effect of withdrawal rate on the microsegregation, thermophysical properties and spatial orientation of a Ni3Al based single crystal superalloy. <i>Journal of Alloys and Compounds</i> , 2016, 660, 159-165.	2.8	14
346	Interdendritic Mo homogenization and sub-solidus melting during solution treatment in the Mo-strengthening single crystal superalloys. <i>Journal of Alloys and Compounds</i> , 2016, 662, 431-435.	2.8	14
347	Multi-loop node line states in ternary MgSrSi-type crystals. <i>Npj Computational Materials</i> , 2019, 5, .	3.5	14
348	Reduction in thermal conductivity of Sb2Te phase-change material by scandium/yttrium doping. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153499.	2.8	14
349	Molecular simulations on the hydration and underwater oleophobicity of zwitterionic self-assembled monolayers. <i>AIChE Journal</i> , 2021, 67, e17103.	1.8	14
350	Novel IV-VI semiconductors with ultralow lattice thermal conductivity. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4189-4199.	2.7	14
351	Novel metal oxides with promising high-temperature thermoelectric performance. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12884-12894.	2.7	14
352	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> , 2021, 15, 100347.	1.9	14
353	<i>Nxf3</i> is expressed in Sertoli cells, but is dispensable for spermatogenesis. <i>Molecular Reproduction and Development</i> , 2011, 78, 241-249.	1.0	13
354	A novel 3-D cuprous iodide polymer with a high Cu/I ratio. <i>Dalton Transactions</i> , 2018, 47, 3253-3257.	1.6	13
355	Homoporous polymer membrane via forced surface segregation: A computer simulation study. <i>Chemical Engineering Science</i> , 2018, 191, 490-499.	1.9	13
356	IHH and FGF8 coregulate elongation of digit primordia. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 513-518.	1.0	12
357	Development of Low-Cost DDGS-Based Activated Carbons and Their Applications in Environmental Remediation and High-Performance Electrodes for Supercapacitors. <i>Journal of Polymers and the Environment</i> , 2015, 23, 595-605.	2.4	12
358	Effects of the magnitude and persistence of turbulence on phytoplankton in Lake Taihu during a summer cyanobacterial bloom. <i>Aquatic Ecology</i> , 2016, 50, 197-208.	0.7	12
359	An unusual cuprous iodide polymer incorporating I^{2+} and I^{3+} structural units. <i>Dalton Transactions</i> , 2018, 47, 17216-17220.	1.6	12
360	Comparisons of electrical/magneto-transport properties of degenerate semiconductors BiCuXO (X=S, Tl, ET, Q, O, rg, BT /Ov)	1.1	12

#	ARTICLE	IF	CITATIONS
361	Influence of high stacking-fault energy on the dissociation mechanisms of misfit dislocations at semi-coherent interfaces. <i>International Journal of Plasticity</i> , 2020, 126, 102610.	4.1	12
362	Two Hybrid Polymeric Iodoargentates Incorporating Aromatic N-Heterocycle Derivatives as Electron Acceptors. <i>Inorganic Chemistry</i> , 2020, 59, 16814-16818.	1.9	12
363	Computer simulations on double hydrophobic PS-b-PMMA porous membrane by non-solvent induced phase separation. <i>Fluid Phase Equilibria</i> , 2020, 523, 112784.	1.4	12
364	Composition-Gradient-Mediated Semiconductorâ€“Metal Transition in Ternary Transition-Metal-Dichalcogenide Bilayers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45184-45191.	4.0	12
365	Study on Rock Damage Mechanism for Lateral Blasting under High In Situ Stresses. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4992.	1.3	12
366	A new solvothermal route to crystalline proustite Ag ₃ AsS ₃ with photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2014, 46, 17-20.	1.8	11
367	Effect of thermal exposure on the stress-rupture life and microstructure of a low Re-containing single crystal alloy. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 84-89.	1.8	11
368	The application of poly(methyl methacrylate-co-butyl acrylate-co-styrene) in reinforcing fragile papers: experiments and computer simulations. <i>Cellulose</i> , 2017, 24, 5157-5171.	2.4	11
369	Adsorption and diffusion of hydrogen and oxygen in FCC-Co: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32404-32411.	1.3	11
370	Directional Sound Detection by Sensing Acoustic Flow. , 2018, 2, 1-4.		11
371	Numerical Investigation of Injection-Induced Fracture Propagation in Brittle Rocks with Two Injection Wells by a Modified Fluid-Mechanical Coupling Model. <i>Energies</i> , 2020, 13, 4718.	1.6	11
372	Molecular simulations of charged complex fluids: A review. <i>Chinese Journal of Chemical Engineering</i> , 2021, 31, 206-226.	1.7	11
373	First-principles investigation on the phase stability and chemical bonding of phase-change random alloys. <i>Solid State Communications</i> , 2010, 150, 1375-1377.	0.9	10
374	Two-dimensional self-assembly of esters with different configurations at the liquidâ€“solid interface. <i>Applied Surface Science</i> , 2011, 257, 4559-4565.	3.1	10
375	Self-assembly of metal atoms (Na, K, Ca) on graphene. <i>Nanoscale</i> , 2015, 7, 2352-2359.	2.8	10
376	Metalâ€“Metal Bonding Stabilized Ground State Structure of Early Transition Metal Monoxide TMâ€“MO (TM = Ti, Hf, V, Ta). <i>Journal of Physical Chemistry C</i> , 2016, 120, 10009-10014.	1.5	10
377	Syntheses, structures and properties of two new 3-D vanadoborates based on V O B clusters. <i>Journal of Alloys and Compounds</i> , 2016, 684, 537-543.	2.8	10
378	A unique dysprosium selenoarsenate (<sc>iii</sc>) exhibiting a photocurrent response and slow magnetic relaxation behavior. <i>Dalton Transactions</i> , 2017, 46, 342-346.	1.6	10

#	ARTICLE	IF	CITATIONS
379	A Series of Lanthanide Selenidogermanates: The First Coexistence of Three Types of Selenidogermanate Units in the Same Architecture. <i>Inorganic Chemistry</i> , 2018, 57, 1242-1250.	1.9	10
380	Evaluating the simulated mean soil carbon transit times by Earth system models using observations. <i>Biogeosciences</i> , 2019, 16, 917-926.	1.3	10
381	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> , 2020, 10, 6031.	1.3	10
382	Loss of ESRP1 blocks mouse oocyte development and leads to female infertility. <i>Development (Cambridge)</i> , 2020, 148, .	1.2	10
383	Simulation Insight into the Synergic Role of Citrate and Polyaspartic Peptide in Biomineralization. <i>Langmuir</i> , 2021, 37, 3410-3419.	1.6	10
384	Two Organic Hybrid Iodoplumbates Directed by a Bifunctional Bis(pyrazinyl)triazole. <i>Inorganic Chemistry</i> , 2021, 60, 5362-5366.	1.9	10
385	High-temperature friction characteristics of N-BK7 glass and their correlation with viscoelastic loss modulus. <i>Ceramics International</i> , 2021, 47, 21414-21424.	2.3	10
386	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> , 2021, 7, 1.	1.3	10
387	Evaluation of vertical shaft stability in underground mines: comparison of three weight methods with uncertainty theory. <i>Natural Hazards</i> , 2021, 109, 1457-1479.	1.6	10
388	Structural and Vibrational Properties of Layered Data Storage Material: Ge₂Sb₂Te₅. <i>Science of Advanced Materials</i> , 2013, 5, 1493-1497.	0.1	10
389	Deep-Red Luminescent Cuprous-Lead Bromide as a Dual-Responsive Sensor for Fe ³⁺ and Cr ²⁺ O ₇ ²⁻ . <i>Inorganic Chemistry</i> , 2022, 61, 5957-5964.	1.9	10
390	Simulated preparation and hydration property of a new-generation zwitterionic modified PVDF membrane. <i>Journal of Membrane Science</i> , 2022, 652, 120498.	4.1	10
391	Synthesis and characterization of Cr ₂ AlC with nanolaminated particles. <i>Science Bulletin</i> , 2014, 59, 3266-3270.	1.7	9
392	Manipulating carriers' spin polarization in the Heusler alloy Mn ₂ CoAl. <i>RSC Advances</i> , 2015, 5, 73814-73819.	1.7	9
393	A Comparative Study of Ground and Underground Vibrations Induced by Bench Blasting. <i>Shock and Vibration</i> , 2016, 2016, 1-9.	0.3	9
394	Development of Ground Movements Due to a Shield Tunnelling Prediction Model Using Random Forests. , 2016, , .		9
395	Effects of turbulence on alkaline phosphatase activity of phytoplankton and bacterioplankton in Lake Taihu. <i>Hydrobiologia</i> , 2016, 765, 197-207.	1.0	9
396	Syntheses, structures and properties of a series of new lanthanide chalcogenates(III) containing crown-shaped [As ₃ Q ₆]3 ⁻ (Q=As, Se) clusters. <i>Journal of Alloys and Compounds</i> , 2017, 702, 594-600.	2.8	9

#	ARTICLE	IF	CITATIONS
397	Two new 3-D cadmium bromoplumbates: the only example of heterometallic bromoplumbate based on crown $[Cd(Pb_4O_4)Br_2]$ clusters. Dalton Transactions, 2018, 47, 4833-4839.	1.6	9
398	A series of new hybrid selenidostannates with metal complexes prepared in alkylol amines. Dalton Transactions, 2018, 47, 14751-14759.	1.6	9
399	MnO_2 nanoflowers grown on a polypropylene separator for use as both a barrier and an accelerator of polysulfides for high-performance $Li-S$ batteries. Dalton Transactions, 2020, 49, 9719-9727.	1.6	9
400	Pressure-mediated structural phase transitions and ultrawide indirect-direct bandgaps in novel rare-earth oxyhalides. Journal of Materials Chemistry C, 2021, 9, 547-554.	2.7	9
401	Prediction Residential House's Damage Effect Near Openpit Against Blasting Vibration Based on SVM with Grid Searching Method/Genetic Algorithm. Advanced Science Letters, 2012, 11, 238-243.	0.2	9
402	Orientation and Conformation of Hydrophobin at the Oil-Water Interface: Insights from Molecular Dynamics Simulations. Langmuir, 2022, 38, 6191-6200.	1.6	9
403	Atomic scale insight into the amorphous structure of Cu doped GeTe phase-change material. Journal of Applied Physics, 2014, 116, 153501.	1.1	8
404	The effect of elevated CO_2 on autotrophic picoplankton abundance and production in a eutrophic lake (Lake Taihu, China). Marine and Freshwater Research, 2016, 67, 319.	0.7	8
405	Numerical simulations of intrusive gravity currents interacting with a bottom-mounted obstacle in a continuously stratified ambient. Environmental Fluid Mechanics, 2017, 17, 191-209.	0.7	8
406	Effective lock-in strategy for proteomic analysis of corona complexes bound to amino-free ligands of gold nanoparticles. Nanoscale, 2018, 10, 12413-12423.	2.8	8
407	Decadal Stabilization of Soil Inorganic Nitrogen as a Benchmark for Global Land Models. Journal of Advances in Modeling Earth Systems, 2019, 11, 1088-1099.	1.3	8
408	Energetics and kinetics of hydrogen at the grain boundary of the Ni alloys: A first-principles study. Journal of Alloys and Compounds, 2019, 795, 343-350.	2.8	8
409	A unique formyl iodoargentate exhibiting luminescent and photocurrent response properties. Dalton Transactions, 2019, 48, 15762-15766.	1.6	8
410	Shearing dominated by the coupling of the interfacial misfit and atomic bonding at the FCC (111) semi-coherent interfaces. Materials and Design, 2020, 186, 108294.	3.3	8
411	Lysozyme Adsorption on Porous Organic Cages: A Molecular Simulation Study. Langmuir, 2020, 36, 12299-12308.	1.6	8
412	Impact of ambient stable stratification on gravity currents propagating over a submerged canopy. Journal of Fluid Mechanics, 2020, 898, .	1.4	8
413	Temperature and rate dependent debonding behaviors of precision glass molding interface. Journal of the American Ceramic Society, 2021, 104, 243-255.	1.9	8
414	Two-dimensional $(Zr_{0.5}Hf_{0.5})_2CO_2$: A promising visible light water-splitting photocatalyst with efficiently carrier separation. Computational Materials Science, 2021, 186, 110013.	1.4	8

#	ARTICLE	IF	CITATIONS
415	Vacancy-mediated electronic localization and phase transition in cubic Sb ₂ Te ₃ . <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106052.	1.9	8
416	Long-term assessment of prostaglandin analogs and timolol fixed combinations vs prostaglandin analogs monotherapy. <i>International Journal of Ophthalmology</i> , 2016, 9, 750-6.	0.5	8
417	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> , 2022, 39, 433-452.	0.4	8
418	Magnetism of triangular nanoflakes with different compositions and edge terminations. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	7
419	18-Electron rule inspired Zintl-like ions composed of all transition metals. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20241-20247.	1.3	7
420	Highly-damped nanofiber mesh for ultrasensitive broadband acoustic flow detection. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 095003.	1.5	7
421	Two new oxyiodoplumbates: the unique 3-D hybrid oxyiodoplumbate based on neutral 2-D [Pb ₂ I ₄]n layers. <i>Dalton Transactions</i> , 2018, 47, 8442-8447.	1.6	7
422	GLRX inhibition enhances the effects of gefitinib in EGFR-TKI-resistant NSCLC cells through FoxM1 signaling pathway. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 861-872.	1.2	7
423	Origin of high thermoelectric performance with a wide range of compositions for Bi _x Sb _{2-2x} Te ₃ single quintuple layers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1315-1323.	1.3	7
424	Flexible quantum spin Hall insulator in O-functionalized GaSe monolayer. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1113-1118.	2.8	7
425	A series of new vanadium(III) chalcogenido-antimonates: an unusual seven-coordinate nitro-selenidovanadium(III) complex. <i>Dalton Transactions</i> , 2019, 48, 3090-3097.	1.6	7
426	First principles investigation on anomalous lattice shrinkage of W alloyed rock salt GeTe. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 137, 109220.	1.9	7
427	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> , 2020, 8, 721-733.	2.7	7
428	How does three-dimensional canopy geometry affect the front propagation of a gravity current?. <i>Physics of Fluids</i> , 2020, 32, .	1.6	7
429	Numerical Investigation of Baroclinic Channel-Shoal Interaction in Partially Stratified Estuaries. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016135.	1.0	7
430	A Copper(I)-Thioarsenate(III) Inorganic Framework Directed by [Ni(en) ₃] ²⁺ . <i>Inorganic Chemistry</i> , 2021, 60, 6813-6819.	1.9	7
431	An Expert Artificial Intelligence Model for Discriminating Microseismic Events and Mine Blasts. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6474.	1.3	7
432	A traceability analysis system for model evaluation on land carbon dynamics: design and applications. <i>Ecological Processes</i> , 2021, 10, .	1.6	7

#	ARTICLE	IF	CITATIONS
433	Synthesis of two-dimensional phenylethylamine tin-lead halide perovskites with bandgap bending behavior. <i>Nanoscale Advances</i> , 2021, 3, 3875-3880.	2.2	7
434	Grain boundary migration and Zener pinning in a nanocrystalline Cu-Ag alloy. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2020, 28, 065017.	0.8	7
435	Synergistic Role of Eg Filling and Anion-Cation Hybridization in Enhancing the Oxygen Evolution Reaction Activity in Nickelates. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	7
436	Toxic Metals in a Paddy Field System: A Review. <i>Toxics</i> , 2022, 10, 249.	1.6	7
437	Tripyrrylmethane based 2D porous structure for hydrogen storage. <i>Frontiers of Physics</i> , 2011, 6, 220-223.	2.4	6
438	Ab initio study of antisite defective layered Ge ₂ Sb ₂ Te ₅ . <i>Materials Chemistry and Physics</i> , 2012, 133, 159-162.	2.0	6
439	Quality dependence study on dimensions for plano-concave molded glass lenses. <i>International Journal of Applied Glass Science</i> , 2017, 8, 266-275.	1.0	6
440	A novel 2-D Mn selenidostannate(IV) incorporating high-nuclear Mn clusters with spin canting behavior. <i>Dalton Transactions</i> , 2017, 46, 16009-16013.	1.6	6
441	Dynamic Compressive Characteristics of Sandstone under Confining Pressure and Radial Gradient Stress with the SHPB Test. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-8.	0.4	6
442	Experimental and Numerical Investigation of Blast-Induced Vibration for Short-Delay Cut Blasting in Underground Mining. <i>Shock and Vibration</i> , 2019, 2019, 1-13.	0.3	6
443	Local-ordering mediated configuration stability and elastic properties of aluminum-containing high entropy alloys. <i>Intermetallics</i> , 2019, 110, 106474.	1.8	6
444	Ultralow cross-plane lattice thermal conductivity caused by Bi-O/Bi-O interfaces in natural superlattice-like single crystals. <i>CrystEngComm</i> , 2019, 21, 6261-6268.	1.3	6
445	Two-dimensional O-phase group III monochalcogenides for photocatalytic water splitting. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 065501.	0.7	6
446	Exchange-biased nanocomposite ferromagnetic insulator. <i>Physical Review B</i> , 2020, 101, .	1.1	6
447	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> , 2021, Volume 16, 727-737.	0.9	6
448	Lysozyme Adsorption on Different Functionalized MXenes: A Multiscale Simulation Study. <i>Langmuir</i> , 2021, 37, 5932-5942.	1.6	6
449	A coarse-grained simulation of heat and mass transfer through a graphene oxide-based composite membrane. <i>Chemical Engineering Science</i> , 2021, 243, 116692.	1.9	6
450	Reducing Refractive Index Variations in Compression Molded Lenses by Annealing. <i>Optics and Photonics Journal</i> , 2013, 03, 118-121.	0.3	6

#	ARTICLE	IF	CITATIONS
451	GLIPR1 Protects Against Cigarette Smoke-Induced Airway Inflammation via PLAU/EGFR Signaling. International Journal of COPD, 2021, Volume 16, 2817-2832.	0.9	6
452	Molecular understanding of acetylcholinesterase adsorption on functionalized carbon nanotubes for enzymatic biosensors. Physical Chemistry Chemical Physics, 2022, 24, 2866-2878.	1.3	6
453	Dual-responsive zwitterion-modified nanopores: a mesoscopic simulation study. Journal of Materials Chemistry B, 2022, 10, 2740-2749.	2.9	6
454	Two luminescent cuprous iodides with hitherto-unknown free imidazolate sites for efficiently sensing Fe^{3+} and Cr^{2+} . Journal of Materials Chemistry C, 2022, 10, 6365-6373.	2.7	6
455	Magnetic properties of two dimensional silicon carbide triangular nanoflakes-based kagome lattices. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	5
456	Sodium Hypochlorite and Sodium Bromide Individualized and Stabilized Carbon Nanotubes in Water. Langmuir, 2017, 33, 10868-10876.	1.6	5
457	Origin of the abnormal diffusion of transition metal atoms in rutile. Physical Review B, 2017, 95, .	1.1	5
458	The relationship between soil CO ₂ efflux and its carbon isotopic composition under non-steady-state conditions. Agricultural and Forest Meteorology, 2018, 256-257, 492-500.	1.9	5
459	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si15.gif"		

#	ARTICLE	IF	CITATIONS
469	An Improved Connection Cloud Model of an Updated Database: A Multicriteria Uncertainty Model for Coal Burst Liability Evaluation. <i>Natural Resources Research</i> , 2022, 31, 1687-1704.	2.2	5
470	Two Organic Hybrid Manganese Selenoarsenates: The Discovery of One-Dimensional Low-Valent Selenoarsenate(II). <i>Inorganic Chemistry</i> , 2021, 60, 19226-19232.	1.9	5
471	Investigation on $\text{Ge}_{5-x}\text{Sb}_x\text{Te}_5$ phase-change materials by first-principles method. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 961-964.	1.1	4
472	Electronic mechanism of shear modulus enhancement in rare earth intermetallics $\text{Yb}_{1-x}\text{Tm}_x\text{Al}_3$. <i>Intermetallics</i> , 2011, 19, 1020-1023.	1.8	4
473	Molecular Thin Films on Solid Surfaces: Mechanisms of Melting. <i>Langmuir</i> , 2012, 28, 7382-7392.	1.6	4
474	Numerical simulation in compression molding of glass lens. , 2013, , .		4
475	Phosphorus-doped bismuth telluride films by electrodeposition. <i>Materials Chemistry and Physics</i> , 2013, 141, 401-405.	2.0	4
476	First-principles investigation of the stability and stabilization mechanism of $\text{Ni}_2\text{Zn}_{11}\text{Fe}_3$ brasses under high pressure. <i>Computational Materials Science</i> , 2015, 98, 430-434.	1.4	4
477	Will forest size structure follow the α^{-2} power-law distribution under ideal demographic equilibrium state?. <i>Journal of Theoretical Biology</i> , 2018, 452, 17-21.	0.8	4
478	Influence of Early Age on the Wave Velocity and Dynamic Compressive Strength of Concrete Based on Split Hopkinson Pressure Bar Tests. <i>Shock and Vibration</i> , 2018, 2018, 1-8.	0.3	4
479	Interfacial graphene modulated energetic behavior of the point-defect at the Au/HfO ₂ interface. <i>Applied Surface Science</i> , 2019, 489, 608-613.	3.1	4
480	Polarity-dependent resistance switching in crystalline $\text{Ge}_1\text{Sb}_4\text{Te}_7$ film. <i>AIP Advances</i> , 2019, 9, .	0.6	4
481	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> , 2020, 174, 109482.	1.4	4
482	Residual Sediment Transport in Tidally Energetic Estuarine Channels With Lateral Bathymetric Variation. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016140.	1.0	4
483	First-principles calculations of structural and electronic properties of layered AxRhO_2 (A = Li, Na, K). <i>TJ ETQq1 1 0.784314 rgBT /Overl</i>	0.6	4
484	A novel 3-D lead-iodide polymer based on the linkage of rare binuclear $[\text{Pb}_2]^{3+}$ cations and anionic bis(pyrazinyl)-triazole bridges. <i>Dalton Transactions</i> , 2021, 50, 4486-4489.	1.6	4
485	Evaluation of Warpage and Residual Stress of Precision Glass Micro-Optics Heated by Carbide-Bonded Graphene Coating in Hot Embossing Process. <i>Nanomaterials</i> , 2021, 11, 363.	1.9	4
486	Indirect Determination Approach of Blast-Induced Ground Vibration Based on a Hybrid SSA-Optimized GP-Based Technique. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-14.	0.4	4

#	ARTICLE	IF	CITATIONS
487	Thermal property and lattice thermal conductivity of three-dimensional pentagonal silicon. <i>Physica B: Condensed Matter</i> , 2021, 618, 413178.	1.3	4
488	Effect of Topology of Hydrophobic Surfaces on Their Wetting States by Coarse-grained Simulations. <i>Acta Chimica Sinica</i> , 2014, 72, 1075.	0.5	4
489	The interplay between surface-functionalized gold nanoparticles and negatively charged lipid vesicles. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23526-23536.	1.3	4
490	Characterization and growth mechanisms of adhesion-induced microcavities during debonding of softened glass. <i>International Journal of Applied Glass Science</i> , 2022, 13, 629-644.	1.0	4
491	Mesoscopic Structure of Nafion-Ionic Liquid Membrane Using Dissipative Particle Dynamics Simulations. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2016, 32, 1649-1657.	2.2	3
492	A novel 2-D heterometallic polymer containing two types of 1-D cuprous polymeric chains and circle [V ₄ O ₁₂] ⁴⁻ clusters. <i>Journal of Alloys and Compounds</i> , 2017, 713, 46-50.	2.8	3
493	The sensitivity and stability of bacterioplankton community structure to wind-wave turbulence in a large, shallow, eutrophic lake. <i>Scientific Reports</i> , 2017, 7, 16850.	1.6	3
494	Reversible formation-dissociation of polaron in rutile driven by electric field. <i>Materials Research Letters</i> , 2018, 6, 165-170.	4.1	3
495	Computational mining of the pressure effect on thermodynamic and thermoelectric properties of cubic Ca ₂ Si. <i>Europhysics Letters</i> , 2018, 123, 67003.	0.7	3
496	Mechanical and transport properties of $\text{Bi}_{1-x}\text{Mn}_x\text{Sb}_2\text{Te}_3$ single quin. <i>Computational Materials Science</i> , 2019, 170, 109182.	1.4	3
497	Computer simulations of underwater oil adhesion of self-assembled monolayers on Au (111). <i>Molecular Simulation</i> , 2020, 46, 713-720.	0.9	3
498	Astragalus membranaceus 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> , 2020, 2020, 1-12.	0.5	3
499	The Effects of Macroeconomic Factors on Road Traffic Safety: A Study Based on the ARDL-ECM Model. <i>Sustainability</i> , 2020, 12, 10262.	1.6	3
500	Unique Two-Dimensional Indium Telluride Templated by a Rare Wheel-Shaped Heterobimetallic Mn/In Cluster. <i>Inorganic Chemistry</i> , 2020, 59, 5818-5822.	1.9	3
501	One Octasubstituted Trisalkoxotetradecavanadate Cluster. <i>Inorganic Chemistry</i> , 2021, 60, 14-18.	1.9	3
502	Replica Exchange Molecular Dynamics Simulations on the Folding of Trpzip4 β^2 -Hairpin. <i>Acta Chimica Sinica</i> , 2013, 71, 593.	0.5	3
503	Phase stability and electronic structure of Si ₂ Sb ₂ Te ₅ phase-change material. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1165-1167.	1.9	2
504	Sunet ^Å al.Reply:. <i>Physical Review Letters</i> , 2010, 104, .	2.9	2

#	ARTICLE	IF	CITATIONS
505	Interaction of C59Si with Si based clusters: a study of Janus nanostructures. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 275303.	0.7	2
506	Influence of Al content on non-equilibrium solidification behavior of Ni-Al-Ta model single crystal alloys. <i>Journal of Crystal Growth</i> , 2016, 434, 96-103.	0.7	2
507	Abnormal spontaneous brain activity in patients with non-arteritic anterior ischemic optic neuropathy detected using functional magnetic resonance imaging. <i>Chinese Medical Journal</i> , 2019, 132, 741-743.	0.9	2
508	Three new metal coordination polymers of bifunctional imidazolate/tetrazolate bridges: the only example of a three-dimensional framework based on rare $[\text{Co}_4(\mu_4\text{-OH})_2(\mu_2\text{-Cl})_2]^{4+}$ mixed oxo-chloro-clusters. <i>RSC Advances</i> , 2019, 9, 13082-13087.	1.7	2
509	Anomalous transport and magnetic properties induced by slight Cu valence alternation in layered oxytelluride BiCuTeO. <i>RSC Advances</i> , 2020, 10, 18753-18759.	1.7	2
510	Ultralow Lattice Thermal Conductivity of $\text{A}_{0.5}\text{RhO}_2$ (A = K, Rb, Cs) Induced by Interfacial Scattering and Resonant Scattering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11648-11655.	1.5	2
511	Electrochemical Impedance Spectroscopic Study of Electrodeposited Bi ₂ Te ₃ -based Thin Films. <i>Acta Chimica Sinica</i> , 2012, 70, 1173.	0.5	2
512	Computer Simulations of Fibronectin Adsorption on Graphene Modified Titanium Dioxide Surfaces. <i>Acta Chimica Sinica</i> , 2014, 72, 401.	0.5	2
513	The electrical- and magneto-transport properties of Rb-, Sn-, and Co-doped BiCuSeO crystals. <i>AIP Advances</i> , 2021, 11, 105207.	0.6	2
514	Realization of adjustable electron concentration and its effect on electrical- and Seebeck-property of n-type SnSe crystals. <i>Applied Physics Letters</i> , 2022, 120, 022102.	1.5	2
515	Structure and infrared radiation property of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ferrites by XAFS analysis. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 907-911.	0.4	1
516	SunetÅal.Reply:. <i>Physical Review Letters</i> , 2010, 104, .	2.9	1
517	<i>Ab Initio</i> Study on Hexagonal Ge<sub>2</sub>Sb<sub>2</sub>Te<sub>5</sub>-A Phase-Change Material for Nonvolatile Memories. <i>Materials Science Forum</i> , 0, 687, 7-11.	0.3	1
518	Pressure-Induced Destabilization and Anomalous Lattice Distortion in TcO2. <i>Inorganic Chemistry</i> , 2017, 56, 9973-9978.	1.9	1
519	Fabrication and mechanical properties of dual-heterogeneous titanium-based composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 803, 140585.	2.6	1
520	Role of Anharmonic Interactions for Vibration Density of States in ±-Cristobalite. <i>Materials</i> , 2021, 14, 617.	1.3	1
521	Growth, Structure, Electrical Transport and Thermal Stability of New Allotropic MoC ₄ Crystals. <i>Crystal Growth and Design</i> , 2021, 21, 4909-4913.	1.4	1
522	An Organic Hybrid Indium-Telluride Incorporating Binuclear Complexes $[\text{In}_2(\text{ea})_4]^{2+}$ with a Bridging Oxygen Donor. <i>Inorganic Chemistry</i> , 2021, 60, 12724-12729.	1.9	1

#	ARTICLE	IF	CITATIONS
523	Atomic-resolution study of charge transfer effects at the LaTiO_3 interface. <i>Physical Review B</i> , 2021, 104, .		
524	Variance in tree growth rates provides a key link for completing the theory of forest size structure formation. <i>Journal of Theoretical Biology</i> , 2021, 529, 110857.	0.8	1
525	First-principles study on the electronic and magnetic properties of ThMnAsN and ThMnPN . <i>Modern Physics Letters B</i> , 2021, 35, .	1.0	1
526	Rare examples of hybrid chalcogenoarsenate(AsO_3) incorporating trivalent vanadium complexes. <i>Dalton Transactions</i> , 2022, 51, 6876-6883.	1.6	1
527	Growth and Electrical Properties of Polymorphs of Mo-Te Crystals. <i>Materials Research Bulletin</i> , 2022, 151, 111796.	2.7	1
528	Thermal modeling of wafer-based precision glass molding process. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
529	Synthesis, structure, and electronic properties of the $\text{Li}_{11}\text{RbGd}_4\text{Te}_6\text{O}_{30}$ single crystal. <i>RSC Advances</i> , 2020, 10, 11450-11454.	1.7	0
530	Simulated synthesis of silica nanowires by lyotropic liquid crystal template method. <i>Molecular Simulation</i> , 0, , 1-11.	0.9	0
531	Comment on "Surface integrity analysis of ultra-thin glass molding process" [<i>Ceram. Int.</i> (2021) https://doi.org/10.1016/j.ceramint.2021.07.236]. <i>Ceramics International</i> , 2021, 47, 33930-33930.	2.3	0
532	The electronic and magnetic properties of $\text{KPbM}_2(\text{PO}_4)_3$ ($\text{M}=\text{Cr}$ and Fe) by first-principles calculations. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 083001.	0.8	0
533	Covalent states and spin-orbit coupling in electronic and magnetic properties of $\text{Ba}_6\text{Y}_2\text{Rh}_2\text{Ti}_2\text{O}_{17}$. <i>Physical Review B</i> , 2021, 104, .	1.1	0
534	Modeling the typhoon disturbance effect on ecosystem carbon storage dynamics in a subtropical forest of China's coastal region. <i>Ecological Modelling</i> , 2021, 455, 109636.	1.2	0
535	A series of organic hybrid polyoxovanadate clusters incorporating tris(hydroxymethyl)methane derivatives. <i>Dalton Transactions</i> , 2021, 50, 15224-15232.	1.6	0
536	CrowdAidRepair: A Crowd-Aided Interactive Data Repairing Method. <i>Lecture Notes in Computer Science</i> , 2016, , 51-66.	1.0	0
537	First-Principles Calculations on the Elastic, Electronic, and Phononic Properties of $\text{Sc}_2\text{Al}_2\text{C}_3$. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100336.	0.7	0