Kai Liu

List of Publications by Year
in descending order

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370 papers	18,719 citations	15880 67 h-index	19470 122 g-index
374 all docs	374 docs citations	374 times ranked	24294 citing authors

#	Article	IF	Citations
1	Planar-symmetry-breaking induced antisymmetric magnetoresistance in van der Waals ferromagnet Fe3GeTe2. Nano Research, 2022, 15, 2531-2536.	5.8	7
2	Interlaminar Shear Performance of the Asphalt Pavement with Gravel Base Considering the Influence of Gravel Embedded Rate. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	0
3	Modeling lake bathymetry and water storage from DEM data constrained by limited underwater surveys. Journal of Hydrology, 2022, 604, 127260.	2.3	14
4	Controlling magnetic configuration in softâ€“hard bilayers probed by polarized neutron reflectometry. APL Materials, 2022, 10, 011107.	2.2	1
5	Downscaling of AMSR-E Soil Moisture over North China Using Random Forest Regression. ISPRS International Journal of Geo-Information, 2022, 11, 101.	1.4	7
6	Dynamic Deformation, Damage, and Fracture in Geomaterials. , 2022, , 379-422.		3
7	Manipulation of Dirac band curvature and momentum-dependent g factor in a kagome magnet. Nature Physics, 2022, 18, 644-649.	6.5	13
8	Electrical Manipulation of Exchange Bias in an Antiferromagnet/Ferromagnetâ€Based Device via Spinâ€“Orbit Torque. Advanced Functional Materials, 2022, 32, .	7.8	15
9	A Van der Waals Interface Hosting Two Groups of Magnetic Skyrmions. Advanced Materials, 2022, 34, e2110583.	11.1	37
10	Reversible writing/deleting of magnetic skyrmions through hydrogen adsorption/desorption. Nature Communications, 2022, 13, 1350.	5.8	30
11	Evolution of ultraflat band in the van der Waals kagome semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pd</mml:mi><mml:mn>3</mml:mn></		

#	Article	IF	Citations
19	Extraction of Floating Raft Aquaculture Areas from Sentinel-1 SAR Images by a Dense Residual U-Net Model with Pre-Trained Resnet34 as the Encoder. Remote Sensing, 2022, 14, 3003.	1.8	8
20	Large intrinsic spin Hall conductivity and spin Hall angle in the nodal-line semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ThAl</mml:mi><mml:mn>2</mml:mn></mml:msub></mm and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ThGa</mml:mi><mml:mn>2</mml:mn></mml:msub></mr Physical Review B, 2022, 105, .	1.1	2
21	Numerical modelling of effects of different multipropped excavation depths on adjacent single piles: comparison between floating and end-bearing pile responses. European Journal of Environmental and Civil Engineering, 2021, 25, 2592-2622.	1.0	14
22	An eco-friendliness inductive asphalt mixture comprising waste steel shavings and waste ferrites. Journal of Cleaner Production, 2021, 283, 124639.	4.6	41
23	Effect of Initial Density, Particle Shape, and Confining Stress on the Critical State Behavior of Weathered Gap-Graded Granular Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	1.5	36
24	AÂhighlyÂporousÂanimalÂbone-derivedÂchar with a superiority of promoting nZVI for Cr(VI) sequestration in agricultural soils. Journal of Environmental Sciences, 2021, 104, 27-39.	3.2	47
25	3D Nanomagnetism in Low Density Interconnected Nanowire Networks. Nano Letters, 2021, 21, 716-722.	4.5	39
26	The overlooked role of carbonaceous supports in enhancing arsenite oxidation and removal by nZVI: Surface area versus electrochemical property. Chemical Engineering Journal, 2021, 406, 126851.	6.6	68
27	New insights into stoichiometric efficiency and synergistic mechanism of persulfate activation by zero-valent bimetal (Iron/Copper) for organic pollutant degradation. Journal of Hazardous Materials, 2021, 403, 123669.	6.5	59
28	To what extent are we really free from airborne microplastics?. Science of the Total Environment, 2021, 754, 142118.	3.9	37
29	Emerging investigator series: 3D graphene anchored zerovalent Fe/Cu aerogel activating persulfate for efficiently 2,4 dichlorophenol degradation over a broad pH range. Environmental Science: Water Research and Technology, 2021, 7, 714-725.	1.2	2
30	LaO as a candidate substrate for realizing superconductivity in an FeSe epitaxial film. Physical Review B, 2021, 103, .	1.1	2
31	Downscaling Groundwater Storage Data in China to a 1-km Resolution Using Machine Learning Methods. Remote Sensing, 2021, 13, 523.	1.8	36
32	Reconstructing phase-resolved hysteresis loops from first-order reversal curves. Scientific Reports, 2021, 11, 4018.	1.6	16
33	Chemical Route to Yb₁₄MgSb₁₁ Composites with Nanosized Iron Inclusions for the Reduction of Thermal Conductivity. ACS Applied Energy Materials, 2021, 4, 3748-3756.	2.5	6
34	Topological properties of noncentrosymmetric superconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>T</mml:mi><mml:msub><mml:mi mathvariant="normal">Ir</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	3
35	Efficient and Robust Metallic Nanowire Foams for Deep Submicrometer Particulate Filtration. Nano Letters, 2021, 21, 2968-2974.	4.5	15
36	Quantization of the band at the surface of charge density wave material 2H-TaSe₂ *. Chinese Physics B, 2021, 30, 047305.	0.7	1

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37	Investigation of electronic, elastic, and optical properties of topological electride Ca3Pb via first-principles calculations*. Chinese Physics B, 2021, 30, 057104.	0.7	1
38	Two superconductor-insulator phase transitions in the spinel oxide Li1Â±xTi2O4â^Ί´ induced by ionic liquid gating. Physical Review B, 2021, 103, .	1.1	3
39	Chemical Fueling Enables Molecular Complexification of Selfâ€Replicators**. Angewandte Chemie - International Edition, 2021, 60, 11344-11349.	7.2	47
40	The accumulated stress damage and residual life prediction of unreinforced concrete pavement with electric heating pipes. Construction and Building Materials, 2021, 278, 122258.	3.2	31
41	Landslide and Wildfire Susceptibility Assessment in Southeast Asia Using Ensemble Machine Learning Methods. Remote Sensing, 2021, 13, 1572.	1.8	37
42	Observation of Hydrogen-Induced Dzyaloshinskii-Moriya Interaction and Reversible Switching of Magnetic Chirality. Physical Review X, 2021, 11, .	2.8	34
43	Large anomalous Hall effect induced by gapped nodal lines in GdZn and GdCd. Physical Review B, 2021, 103, .	1.1	3
44	Selfâ€Sorting in Dynamic Combinatorial Libraries Leads to the Coâ€Existence of Foldamers and Selfâ€Replicators. Angewandte Chemie - International Edition, 2021, 60, 13569-13573.	7.2	14
45	Theoretical design of all-carbon networks with intrinsic magnetism. Carbon, 2021, 177, 11-18.	5.4	8
46	First-principles study of the superconductivity in LaO. Physical Review B, 2021, 104, .	1.1	7
47	Nonlinear Model for the Stressâ€“Strainâ€“Strength Behavior of Unsaturated Granular Materials. International Journal of Geomechanics, 2021, 21, .	1.3	8
48	First-principles study of the crystal structure, electronic structure, and transport properties of NiTe2 under pressure. Physical Review B, 2021, 104, .	1.1	4
49	Three-dimensional acetylenic modified graphene for high-performance optoelectronics and topological materials. Npj Computational Materials, 2021, 7, .	3.5	4
50	Inducing high- Tc ferromagnetism in the van der Waals crystal Mn(ReO4)2 via charge doping: A first-principles study. Physical Review B, 2021, 104, .	1.1	2
51	Quasi-One-Dimensional Structure and Possible Helical Antiferromagnetism of RbMn₆Bi₅. Inorganic Chemistry, 2021, 60, 12941-12949.	1.9	14
52	The Accessibility of the Cell Wall in Scots Pine (Pinus sylvestris L.) Sapwood to Colloidal Fe3O4 Nanoparticles. ACS Omega, 2021, 6, 21719-21729.	1.6	4
53	Electrically Enhanced Exchange Bias via Solid-State Magneto-ionics. ACS Applied Materials & Interfaces, 2021, 13, 38916-38922.	4.0	16
54	Chirality-induced zigzag domain wall in in-plane magnetized ultrathin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 053410.	0.9	1

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55	High-resolution angle-resolved photoemission study of large magnetoresistance topological semimetal CaAl4 *. Chinese Physics B, 2021, 30, 097303.	0.7	0
56	Electronic correlation effects in the kagome magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">GdMn</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sn</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 104, .	1.1	12
57	Ion irradiation and implantation modifications of magneto-ionically induced exchange bias in Gd/NiCoO. Journal of Magnetism and Magnetic Materials, 2021, 540, 168479.	1.0	6
58	Layered Transition Metal Electride Hf2Se with Coexisting Two-Dimensional Anionic d-Electrons and Hfâ€“Hf Metallic Bonds*. Chinese Physics Letters, 2021, 38, 017302.	1.3	2
59	Analysis of mobilized stress ratio of gap-graded granular materials in direct shear state considering coarse fraction effect. Acta Geotechnica, 2021, 16, 1801-1814.	2.9	10
60	Biomimetic Impact Protective Supramolecular Polymeric Materials Enabled by Quadruple H-Bonding. Journal of the American Chemical Society, 2021, 143, 1162-1170.	6.6	85
61	The Properties of Different Healing Agents Considering the Micro-Self-Healing Process of Asphalt with Encapsulations. Materials, 2021, 14, 16.	1.3	19
62	Modulating charge density wave states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TaSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> by an electride substrate. Physical Review B, 2021, 104, .	1.1	5
63	Charge-Density-Wave-Induced Bands Renormalization and Energy Gaps in a Kagome Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>RbV</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2021, 11, .	2.8	60
64	Eightfold Degenerate Fermions in Two Dimensions. Physical Review Letters, 2021, 127, 176401.	2.9	11
65	Large magnetoresistance and de Haasâ€“van Alphen oscillations in the topological semimetal candidates BaX4 (X=Ga,Âln). Physical Review B, 2021, 104, .	1.1	0
66	Quantum Transport Evidence of Topological Band Structures of Kagome Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CsV</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2021, 127, 207002.	2.9	74
67	A Rapid Model (COV_PSDI) for Winter Wheat Mapping in Fallow Rotation Area Using MODIS NDVI Time-Series Satellite Observations: The Case of the Heilonggang Region. Remote Sensing, 2021, 13, 4870.	1.8	4
68	The Study on Compound Drought and Heatwave Events in China Using Complex Networks. Sustainability, 2021, 13, 12774.	1.6	5
69	First-principles study of the double-dome superconductivity in the kagome material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> under pressure. Physical Review B, 2021, 104, .	1.1	27
70	Ongoing Drainage Reorganization Driven by Rapid Lake Growths on the Tibetan Plateau. Geophysical Research Letters, 2021, 48, e2021GL095795.	1.5	21
71	Influence of matric suction on nonlinear time-dependent compression behavior of a granular fill material. Acta Geotechnica, 2020, 15, 615-633.	2.9	25
72	Superconductivity in chromium nitrides Pr3Cr10-xN11 with strong electron correlations. National Science Review, 2020, 7, 21-26.	4.6	12

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73	Induction heating of asphalt mixtures with waste steel shavings. Construction and Building Materials, 2020, 234, 117368.	3.2	20
74	Interfacial-Redox-Induced Tuning of Superconductivity in YBa₂Cu₃O_{7-Î´}. ACS Applied Materials & Interfaces, 2020, 12, 4741-4748.	4.0	11
75	Atmospheric microplastic over the South China Sea and East Indian Ocean: abundance, distribution and source. Journal of Hazardous Materials, 2020, 389, 121846.	6.5	159
76	Crushing and Flooding Effects on One-Dimensional Time-Dependent Behaviors of a Granular Soil. International Journal of Geomechanics, 2020, 20, .	1.3	25
77	Spectroscopic fingerprint of chiral Majorana modes at the edge of a quantum anomalous Hall insulator/superconductor heterostructure. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 238-242.	3.3	22
78	Improved Power Factor and Mechanical Properties of Composites of Yb₁₄MgSb₁₁ with Iron. ACS Applied Energy Materials, 2020, 3, 2147-2159.	2.5	15
79	Evaluation of Endovascular Therapy Combined with Bowel Resection Treatment on Patients with Acute Mesenteric Venous Thrombosis. Annals of Vascular Surgery, 2020, 65, 72-81.	0.4	8
80	Elucidating the vertical transport of microplastics in the water column: A review of sampling methodologies and distributions. Water Research, 2020, 186, 116403.	5.3	45
81	Remote Sensingâ€Based Modeling of the Bathymetry and Water Storage for Channelâ€Type Reservoirs Worldwide. Water Resources Research, 2020, 56, e2020WR027147.	1.7	23
82	Deicing efficiency analysis and economic-environment assessment of a novel induction heating asphalt pavement. Journal of Cleaner Production, 2020, 273, 123123.	4.6	39
83	In-plane NÃ©el wall chirality and orientation of interfacial Dzyaloshinskii-Moriya vector in magnetic films. Physical Review B, 2020, 102, .	1.1	6
84	Voltage-driven motion of nitrogen ions: a new paradigm for magneto-ionics. Nature Communications, 2020, 11, 5871.	5.8	42
85	Emergence of low-symmetry foldamers from single monomers. Nature Chemistry, 2020, 12, 1180-1186.	6.6	47
86	Partially drained cyclic behaviour of granular fill material in triaxial condition. Soil Dynamics and Earthquake Engineering, 2020, 139, 106355.	1.9	5
87	Assessment of Remotely Sensed and Modelled Soil Moisture Data Products in the U.S. Southern Great Plains. Remote Sensing, 2020, 12, 2030.	1.8	4
88	Large Dzyaloshinskii-Moriya interaction induced by chemisorbed oxygen on a ferromagnet surface. Science Advances, 2020, 6, eaba4924.	4.7	60
89	Exploring the energy-saving potential of electromagnetic induction pavement via magnetic concentrating technique. Energy, 2020, 211, 118650.	4.5	14
90	Profiling the Vertical Transport of Microplastics in the West Pacific Ocean and the East Indian Ocean with a Novel in Situ Filtration Technique. Environmental Science & Technology, 2020, 54, 12979-12988.	4.6	60

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91	de Haasâ€“van Alphen quantum oscillations and electronic structure in the large-Chern-number topological chiral semimetal CoSi. Physical Review B, 2020, 102, .	1.1	15
92	RRuB2 (R=Y,ÂLu) , topological superconductor candidates with hourglass-type Dirac ring. Physical Review B, 2020, 102, .	1.1	6
93	First-principles study of solid hydrogen: Comparison among four exchange-correlation functionals. Physical Review B, 2020, 102, .	1.1	4
94	The stressâ€“strain behaviour and critical state parameters of an unsaturated granular fill material under different suctions. Acta Geotechnica, 2020, 15, 3383-3398.	2.9	18
95	Interlayer quantum transport in Dirac semimetal BaGa2. Nature Communications, 2020, 11, 2370.	5.8	8
96	Luminescence properties of nitrogen-rich Ca-SiAlON:Eu2+ phosphors prepared by freeze-drying assisted combustion synthesis. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 687-692.	2.4	1
97	al properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mo</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">C</mml:mi></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">W</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi></mml:mrow></mml:math> superconductors. Physical Review B, 202	1.1	12
98	Tuning the Properties of Zero-Field Room Temperature Ferromagnetic Skyrmions by Interlayer Exchange Coupling. Nano Letters, 2020, 20, 4739-4747.	4.5	11
99	Global inventory of atmospheric fibrous microplastics input into the ocean: An implication from the indoor origin. Journal of Hazardous Materials, 2020, 400, 123223.	6.5	61
100	Region-based adaptive asphalt mixture microstructural modeling for efficient numerical simulation. Construction and Building Materials, 2020, 257, 119431.	3.2	4
101	Experimental characterisation of mechanical behaviour of concrete-like materials under multiaxial confinement and high strain rate. Construction and Building Materials, 2020, 258, 119638.	3.2	22
102	Automatic watershed delineation in the Tibetan endorheic basin: A lake-oriented approach based on digital elevation models. Geomorphology, 2020, 358, 107127.	1.1	22
103	Three-dimensional quantification and classification approach for angularity and surface texture based on surface triangulation of reconstructed aggregates. Construction and Building Materials, 2020, 246, 118120.	3.2	17
104	Emergent superconductivity in single-crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MgTi</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> films via structural engineering. Physical Review B, 2020, 101, .	1.1	13
105	Terrestrial plants as a potential temporary sink of atmospheric microplastics during transport. Science of the Total Environment, 2020, 742, 140523.	3.9	109
106	Quantum spin Hall effect in monolayer and bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">TaIrTe</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2020, 102, .	1.1	16
107	Emergence of light-driven protometabolism on recruitment of a photocatalytic cofactor by a self-replicator. Nature Chemistry, 2020, 12, 603-607.	6.6	55
108	Magnetic exchange induced Weyl state in a semimetal EuCd2Sb2. APL Materials, 2020, 8, .	2.2	37

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109	Anisotropic magnetoresistance and de Haas-van Alphen effect in hafnium ditelluride. Physical Review B, 2020, 101, .	1.1	7
110	First-principles study of electron-phonon coupling and magnetoresistance of LaBi under pressure. Physical Review B, 2020, 101, .	1.1	4
111	SrPd, a candidate material with extremely large magnetoresistance. Physical Review B, 2020, 101, .	1.1	4
112	Electron quantum interference in epitaxial antiferromagnetic NiO thin films. AIP Advances, 2020, 10, 045204.	0.6	1
113	Simultaneous removal of Cd(II) and As(III) by graphene-like biochar-supported zero-valent iron from irrigation waters under aerobic conditions: Synergistic effects and mechanisms. Journal of Hazardous Materials, 2020, 395, 122623.	6.5	174
114	Numerical investigation and thermal predictions of asphalt pavement containing inductive materials under alternating magnetic field. International Journal of Thermal Sciences, 2020, 153, 106353.	2.6	11
115	Degenerate antiferromagnetic states in spinel oxide LiV2O4. Chinese Physics B, 2020, 29, 077508.	0.7	3
116	Two ultra-stable novel allotropes of tellurium few-layers*. Chinese Physics B, 2020, 29, 097103.	0.7	5
117	First-principles study of the robust superconducting state of NbTi alloys under ultrahigh pressures. Physical Review B, 2020, 102, .	1.1	5
118	Fe(II)-mediated activation of oxygen by goethite for the As(III) oxidation and the mechanisms. Chinese Science Bulletin, 2020, 65, 997-1008.	0.4	4
119	(Invited) Magneto-Ionic Control of Heterostructures and Interfaces. ECS Meeting Abstracts, 2020, MA2020-01, 1017-1017.	0.0	0
120	RSAVS superconductors: Materials with a superconducting state that is robust against large volume shrinkage. Physical Review Materials, 2020, 4, .	0.9	7
121	An elasto-plastic model of unsaturated soil with an explicit degree of saturation-dependent CSL. Engineering Geology, 2019, 260, 105240.	2.9	17
122	Consistent Transport of Terrestrial Microplastics to the Ocean through Atmosphere. Environmental Science & Technology, 2019, 53, 10612-10619.	4.6	306
123	Light-induced reversible hydrophobization of cationic gold nanoparticles via electrostatic adsorption of a photoacid. Nanoscale, 2019, 11, 14118-14122.	2.8	25
124	A novel method enabling the accurate quantification of microplastics in the water column of deep ocean. Marine Pollution Bulletin, 2019, 146, 462-465.	2.3	39
125	Design of electric heat pipe embedding schemes for snow-melting pavement based on mechanical properties in cold regions. Cold Regions Science and Technology, 2019, 165, 102806.	1.6	22
126	Accurate quantification and transport estimation of suspended atmospheric microplastics in megacities: Implications for human health. Environment International, 2019, 132, 105127.	4.8	170

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127	Uncertainties in contact angle goniometry. Soft Matter, 2019, 15, 7089-7096.	1.2	69
128	Structural investigation of the snow-melting heated bridge deck based on the thermal field distribution. Applied Thermal Engineering, 2019, 161, 114132.	3.0	19
129	Induction heating performance of asphalt pavements incorporating electrically conductive and magnetically absorbing layers. Construction and Building Materials, 2019, 229, 116805.	3.2	21
130	Manipulating the Electronic and Magnetic Properties of Monolayer Electride Ca₂N by Hydrogenation. Journal of Physical Chemistry C, 2019, 123, 24698-24704.	1.5	29
131	Physical model study on the clayâ€“sand interface without and with geotextile separator. Acta Geotechnica, 2019, 14, 2065-2081.	2.9	12
132	Mechanism of H2O2/bleach activators and related factors. Cellulose, 2019, 26, 2743-2757.	2.4	14
133	Raman scattering study of magnetic layered MPS₃ crystals (M = Mn , Fe, Ni)*. Chinese Physics B, 2019, 28, 056301.	0.7	8
134	The thermal and damage characteristics of an insulated-conductive composite structure for the heated bridge deck for snow-melting. Construction and Building Materials, 2019, 216, 176-187.	3.2	17
135	Source and potential risk assessment of suspended atmospheric microplastics in Shanghai. Science of the Total Environment, 2019, 675, 462-471.	3.9	523
136	Magnetic domain wall contrast under zero domain contrast conditions in spin polarized low energy electron microscopy. Ultramicroscopy, 2019, 200, 132-138.	0.8	3
137	Shubnikovâ€“de Haas and de Haasâ€“van Alphen oscillations in the topological semimetal CaAl4. Physical Review B, 2019, 99, .	1.1	5
138	Ferromagnetic van der Waals Crystal VI₃. Journal of the American Chemical Society, 2019, 141, 5326-5333.	6.6	153
139	Global open-access DEM performances in Earth's most rugged region High Mountain Asia: A multi-level assessment. Geomorphology, 2019, 338, 16-26.	1.1	65
140	The study on compressive mechanical properties of rigid polyurethane grout materials with different densities. Construction and Building Materials, 2019, 206, 270-278.	3.2	58
141	Photooxidaseâ€Mimicking Nanovesicles with Superior Photocatalytic Activity and Stability Based on Amphiphilic Amino Acid and Phthalocyanine Coâ€Assembly. Angewandte Chemie - International Edition, 2019, 58, 2000-2004.	7.2	86
142	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î²</mml:mi><mml:mo>â€“</mml:mo><mml:msub><mml: : A topological superconductor candidate. Physical Review B, 2019, 99, .	1.1	15
143	Analytical and Model Studies on Behavior of Rigid Polyurethane Composite Aggregate under Compression. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	14
144	Quasi-degenerate magnetic states in Î±-RuCl₃. Journal of Physics Condensed Matter, 2019, 31, 025803.	0.7	4

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145	Hexagonal supertetrahedral boron: A topological metal with multiple spin-orbit-free emergent fermions. Physical Review Materials, 2019, 3, .	0.9	18
146	Electronic structures of quasi-one-dimensional cuprate superconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review Materials, 2019, 3, .	0.9	15
147	Skin-Inspired Electronics Enabled by Supramolecular Polymeric Materials. CCS Chemistry, 2019, 1, 431-447.	4.6	118
148	Extremely large magnetoresistance and electronic structure of TmSb. Physical Review B, 2018, 97, .	1.1	23
149	Bioinspired Materials for Controlling Ice Nucleation, Growth, and Recrystallization. Accounts of Chemical Research, 2018, 51, 1082-1091.	7.6	159
150	Tuning the magnetism of the top-layer FeAs on BaFe2As2 (001): First-principles study. Physical Review B, 2018, 97, .	1.1	1
151	Bleaching of cotton fabric with tetraacetylhydrazine as bleach activator for H2O2. Carbohydrate Polymers, 2018, 188, 221-227.	5.1	27
152	Fabrication of Anti-Icing Surfaces by Short Î±-Helical Peptides. ACS Applied Materials & Interfaces, 2018, 10, 1957-1962.	4.0	36
153	Aggregate Shape Characterization Using Virtual Measurement of Three-Dimensional Solid Models Constructed from X-Ray CT Images of Aggregates. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	31
154	Large-scale mapping of gully-affected areas: An approach integrating Google Earth images and terrain skeleton information. Geomorphology, 2018, 314, 13-26.	1.1	32
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328	Temperature-dependent magnetization reversal in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mi>	1.1	31
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