

Liang Zhang

List of Publications by Year in descending order

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175
papers

6,039
citations

71102

41
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98798

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all docs

176
docs citations

176
times ranked

5902
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-sample Behrensâ€“Fisher problems for high-dimensional data: a normal reference scale-invariant test. <i>Journal of Applied Statistics</i> , 2023, 50, 456-476.	1.3	2
2	Wave propagation characteristics and absorbed energy capability of the electrically doubly curved system reinforced by nanocomposite on viscoelastic substrate. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 2794-2811.	4.7	1
3	Multi-system fusion based on deep neural network and cloud edge computing and its application in intelligent manufacturing. <i>Neural Computing and Applications</i> , 2022, 34, 3411-3420.	5.6	15
4	Global Incidence, Progression, and Risk Factors of Age-Related Macular Degeneration and Projection of Disease Statistics in 30 Years: A Modeling Study. <i>Gerontology</i> , 2022, 68, 721-735.	2.8	20
5	Stabilized Long-Distance Superluminal Propagation Based on Polarization-Matched Low-Noise Brillouin Lasing Resonance. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	2.0	2
6	Effect of sludge retention time on microbial succession and assembly in thermal hydrolysis pretreated sludge digesters: Deterministic versus stochastic processes. <i>Water Research</i> , 2022, 209, 117900.	11.3	30
7	Frequency-stabilized Brillouin random fiber laser enabled by self-inscribed transient population grating. <i>Optics Letters</i> , 2022, 47, 150.	3.3	13
8	Metallogenic â€“factoriesâ€“™ and resultant highly anomalous mineral endowment on the craton margins of China. <i>Geoscience Frontiers</i> , 2022, 13, 101339.	8.4	9
9	NOB suppression strategies in a mainstream membrane aerated biofilm reactor under exceptionally low lumen pressure. <i>Chemosphere</i> , 2022, 290, 133386.	8.2	16
10	UAV-Assisted Edge Computing and Streaming for Wireless Virtual Reality: Analysis, Algorithm Design, and Performance Guarantees. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3267-3275.	6.3	20
11	Quasi-Distributed Magnetic Field Fiber Sensors Integrated with Magnetostrictive Rod in OFDR System. <i>Electronics (Switzerland)</i> , 2022, 11, 1013.	3.1	4
12	Using Mechanically-Induced Long-Period Fiber Gratings for OAM Modes Generation Based on Anti-Resonant Mechanisms in Ring-Core Fibers. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	2.0	0
13	Responses of mesophilic anaerobic sludge microbiota to thermophilic conditions: Implications for start-up and operation of thermophilic THP-AD systems. <i>Water Research</i> , 2022, 216, 118332.	11.3	17
14	Metagenomic assembled genomes unravel purple nonâ€“sulfur bacteria (PNSB) involved in integrating C, N, P biotransformation. <i>Science of the Total Environment</i> , 2022, 830, 154591.	8.0	4
15	Fabrication and Characterization of Low-Loss Gaussian-Like Reversed Ridge Optical Waveguides. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 649-652.	2.5	3
16	Study on the Hydrogen Embrittlement of Nanograined Materials with Different Grain Sizes by Atomistic Simulation. <i>Materials</i> , 2022, 15, 4589.	2.9	1
17	Genome-centric metagenomics analysis revealed the metabolic function of abundant microbial communities in thermal hydrolysis-assisted thermophilic anaerobic digesters under propionate stress. <i>Bioresource Technology</i> , 2022, 360, 127574.	9.6	12
18	Interaction of perfluorooctanoic acid with extracellular polymeric substances - Role of protein. <i>Journal of Hazardous Materials</i> , 2021, 401, 123381.	12.4	49

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19	Top-N recommendation algorithm integrated neural network. <i>Neural Computing and Applications</i> , 2021, 33, 3881-3889.	5.6	5
20	Referral for disease-related visual impairment using retinal photograph-based deep learning: a proof-of-concept, model development study. <i>The Lancet Digital Health</i> , 2021, 3, e29-e40.	12.3	20
21	Dynamic vortex mode-switchable erbium-doped Brillouin laser pumped by high-order mode. <i>Optics Letters</i> , 2021, 46, 468.	3.3	10
22	Underwater acoustic source localization based on phase-sensitive optical time domain reflectometry. <i>Optics Express</i> , 2021, 29, 12880.	3.4	15
23	Pathways and Mechanisms of Single-Cell Protein Production: Carbon and Nutrient Transformation. <i>ACS ES&T Water</i> , 2021, 1, 1313-1320.	4.6	1
24	On the vibrations of the non-polynomial viscoelastic composite open-type shell under residual stresses. <i>Composite Structures</i> , 2021, 263, 113599.	5.8	46
25	High-Sensitivity Bending Sensor Based on Supermode Interference in Coupled Four-Core Sapphire-Derived Fiber. <i>Journal of Lightwave Technology</i> , 2021, 39, 3932-3940.	4.6	10
26	Influence of Temperature on All-Silica Fabry-Pérot Pressure Sensor. <i>IEEE Photonics Journal</i> , 2021, 13, 1-9.	2.0	3
27	Review on Fiber-Optic Vortices and Their Sensing Applications. <i>Journal of Lightwave Technology</i> , 2021, 39, 3740-3750.	4.6	25
28	Optimizing the Operation Cost for UAV-Aided Mobile Edge Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 6085-6093.	6.3	40
29	Molecular dynamics simulation and machine learning of mechanical response in non-equiatomic FeCrNiCoMn high-entropy alloy. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2043-2054.	5.8	32
30	Pyrite assisted peroxydisulfate sludge conditioning: Uncover triclosan transformation during treatment. <i>Journal of Hazardous Materials</i> , 2021, 413, 125368.	12.4	23
31	Compound Fabry-Pérot interferometer for simultaneous high-pressure and high-temperature measurement. <i>Optics Express</i> , 2021, 29, 24289.	3.4	6
32	Subduction: The recycling engine room for global metallogeny. <i>Ore Geology Reviews</i> , 2021, 134, 104130.	2.7	21
33	Cylindrical Vector Beam for Vector Magnetic Field Sensing Based on Magnetic Fluid. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 703-706.	2.5	4
34	Active learning strategy for high fidelity short-term data-driven building energy forecasting. <i>Energy and Buildings</i> , 2021, 244, 111026.	6.7	24
35	Low-velocity impact, resonance, and frequency responses of FG-GPLRC viscoelastic doubly curved panel. <i>Composite Structures</i> , 2021, 269, 114000.	5.8	38
36	Dynamic mode-switchable and wavelength-tunable Brillouin random fiber laser by a high-order mode pump. <i>Optics Express</i> , 2021, 29, 34109.	3.4	4

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37	Triclosan transformation and impact on an elemental sulfur-driven sulfidogenic process. <i>Chemical Engineering Journal</i> , 2021, 421, 129634.	12.7	12
38	Metagenomic insights into the effect of thermal hydrolysis pre-treatment on microbial community of an anaerobic digestion system. <i>Science of the Total Environment</i> , 2021, 791, 148096.	8.0	31
39	Data-driven building energy modeling with feature selection and active learning for data predictive control. <i>Energy and Buildings</i> , 2021, 252, 111436.	6.7	20
40	Laser Charging Enabled DBS Placement for Downlink Communications. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 3009-3018.	6.4	9
41	Understanding the Radiation Resistance Mechanisms of Nanocrystalline Metals from Atomistic Simulation. <i>Metals</i> , 2021, 11, 1875.	2.3	3
42	A holistic model for the origin of orogenic gold deposits and its implications for exploration. <i>Mineralium Deposita</i> , 2020, 55, 275-292.	4.1	223
43	Utilization of pre-existing competent and barren quartz veins as hosts to later orogenic gold ores at Huangjindong gold deposit, Jiangnan Orogen, southern China. <i>Mineralium Deposita</i> , 2020, 55, 363-380.	4.1	36
44	Relative roles of formation and preservation on gold endowment along the Sanshandao gold belt in the Jiaodong gold province, China: importance for province- to district-scale gold exploration. <i>Mineralium Deposita</i> , 2020, 55, 325-344.	4.1	30
45	Flexible backhaul-aware DBS-aided HetNet with IBFD communications. <i>ICT Express</i> , 2020, 6, 48-56.	4.8	7
46	Unveiling the role of activated carbon on hydrolysis process in anaerobic digestion. <i>Bioresource Technology</i> , 2020, 296, 122366.	9.6	28
47	Optimizing the Deployment and Throughput of DBSs for Uplink Communications. <i>IEEE Open Journal of Vehicular Technology</i> , 2020, 1, 18-28.	4.9	8
48	Mechanical response and plastic deformation of coherent twin boundary with perfect and defective structures. <i>Mechanics of Materials</i> , 2020, 141, 103266.	3.2	10
49	Quorum quenching altered microbial diversity and activity of anaerobic membrane bioreactor (AnMBR) and enhanced methane generation. <i>Bioresource Technology</i> , 2020, 315, 123862.	9.6	32
50	Classroom Status Hierarchy Moderates the Association between Social Dominance Goals and Bullying Behavior in Middle Childhood and Early Adolescence. <i>Journal of Youth and Adolescence</i> , 2020, 49, 2285-2297.	3.5	23
51	Biological conversion of sulfamethoxazole in an autotrophic denitrification system. <i>Water Research</i> , 2020, 185, 116156.	11.3	50
52	Elemental sulfur-driven sulfidogenic process under highly acidic conditions for sulfate-rich acid mine drainage treatment: Performance and microbial community analysis. <i>Water Research</i> , 2020, 185, 116230.	11.3	25
53	Image Recommendation Algorithm Based on Deep Learning. <i>IEEE Access</i> , 2020, 8, 132799-132807.	4.2	15
54	A Simple Scale-Invariant Two-Sample Test for High-dimensional Data. <i>Econometrics and Statistics</i> , 2020, 14, 131-144.	0.8	5

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55	A Pattern-Recognition-Based Ensemble Data Imputation Framework for Sensors from Building Energy Systems. <i>Sensors</i> , 2020, 20, 5947.	3.8	7
56	Identification of type 2 diabetes loci in 433,540 East Asian individuals. <i>Nature</i> , 2020, 582, 240-245.	27.8	282
57	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at 120 \pm 2 Ma During Cooling of Pregold Granite Intrusions. <i>Economic Geology</i> , 2020, 115, 415-441.	3.8	110
58	Parenting Practices, Family Obligation, and Adolescents' Academic Adjustment: Cohort Differences with Social Change in China. <i>Journal of Research on Adolescence</i> , 2020, 30, 721-734.	3.7	9
59	Parenting Practices and Adolescent Effortful Control: MAOA T941G Gene Polymorphism as a Moderator. <i>Frontiers in Psychology</i> , 2020, 11, 60.	2.1	4
60	Effects of low doses of UV-B radiation supplementation on tuber quality in purple potato (<i>Solanum tuberosum</i> L.). <i>Plant Signaling and Behavior</i> , 2020, 15, 1783490.	2.4	8
61	Latency-Aware IoT Service Provisioning in UAV-Aided Mobile-Edge Computing Networks. <i>IEEE Internet of Things Journal</i> , 2020, 7, 10573-10580.	8.7	93
62	Mechanistic insights into a novel nitrilotriacetic acid-FeO and CaO ₂ process for efficient anaerobic digestion sludge dewatering at near-neutral pH. <i>Water Research</i> , 2020, 184, 116149.	11.3	43
63	Association of Cataract Surgery With Risk of Diabetic Retinopathy Among Asian Participants in the Singapore Epidemiology of Eye Diseases Study. <i>JAMA Network Open</i> , 2020, 3, e208035.	5.9	7
64	Theoretical and Experimental Study on the Transmission Loss of a Side Outlet Muffler. <i>Shock and Vibration</i> , 2020, 2020, 1-8.	0.6	8
65	High-Efficiency Random Fiber Laser Based on Strong Random Fiber Grating for MHz Ultrasonic Sensing. <i>IEEE Sensors Journal</i> , 2020, 20, 5885-5892.	4.7	20
66	3D Printing Technique-Improved Phase-Sensitive OTDR for Breakdown Discharge Detection of Gas-Insulated Switchgear. <i>Sensors</i> , 2020, 20, 1045.	3.8	16
67	Is kidney function associated with primary open-angle glaucoma? Findings from the Asian Eye Epidemiology Consortium. <i>British Journal of Ophthalmology</i> , 2020, 104, bjophthalmol-2019-314890.	3.9	13
68	Developmental changes in associations between depressive symptoms and peer relationships: a four-year follow-up of Chinese adolescents. <i>Journal of Youth and Adolescence</i> , 2020, 49, 1913-1927.	3.5	13
69	Study of deformation behaviors of martensitic steel quenched at ultralow temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 785, 139399.	5.6	2
70	Inverse Hall-Petch relationship of high-entropy alloy by atomistic simulation. <i>Materials Letters</i> , 2020, 274, 128024.	2.6	60
71	Unveiling delay-time-resolved phase noise statistics of narrow-linewidth laser via coherent optical time domain reflectometry. <i>Optics Express</i> , 2020, 28, 6719.	3.4	12
72	Developmental changes in longitudinal associations between academic achievement and psychopathological symptoms from late childhood to middle adolescence. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 178-188.	5.2	55

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73	Bidirectional Associations between Peer Relations and Attention Problems from 9 to 16 Years. <i>Journal of Abnormal Child Psychology</i> , 2019, 47, 381-392.	3.5	13
74	Family socioeconomic status and Chinese children's early academic development: Examining child-level mechanisms. <i>Contemporary Educational Psychology</i> , 2019, 59, 101792.	2.9	31
75	Fast-Moving Jamming Suppression for UAV Navigation: A Minimum Dispersion Distortionless Response Beamforming Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 7815-7827.	6.3	20
76	Approximate Algorithms for 3-D Placement of IBFD Enabled Drone-Mounted Base Stations. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 7715-7722.	6.3	16
77	Enhanced removal of pharmaceuticals in a biofilter: Effects of manipulating co-degradation by carbon feeding. <i>Chemosphere</i> , 2019, 236, 124303.	8.2	45
78	Numerical study of scattering Legendre moments and effect of anisotropic scattering on SN shielding calculation. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1.	3.4	3
79	Sensing Matrix Design for MMV Compressive Sensing: An MVDR Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8601-8612.	6.3	5
80	Ab initio calculations for the H-decorated neutral and charged oxygen vacancy in erbium oxide. <i>Fusion Engineering and Design</i> , 2019, 144, 188-192.	1.9	2
81	At the intersection of exocytosis and endocytosis in plants. <i>New Phytologist</i> , 2019, 224, 1479-1489.	7.3	63
82	Removal of sulfamethoxazole (SMX) in sulfate-reducing flocculent and granular sludge systems. <i>Bioresource Technology</i> , 2019, 288, 121592.	9.6	30
83	Interaction between nano-voids and migrating grain boundary by molecular dynamics simulation. <i>Acta Materialia</i> , 2019, 173, 206-224.	7.9	52
84	Dose-dependent effects of acetate on the biodegradation of pharmaceuticals in moving bed biofilm reactors. <i>Water Research</i> , 2019, 159, 302-312.	11.3	52
85	Corrigendum to "Structural geometry of orogenic gold deposits: Implications for exploration of world-class and giant deposits" [Geoscience Frontiers 9, (2018) 1163-1177]. <i>Geoscience Frontiers</i> , 2019, 10, 789.	8.4	0
86	A Framework for 5G Networks with In-Band Full-Duplex Enabled Drone-Mounted Base-Stations. <i>IEEE Wireless Communications</i> , 2019, 26, 121-127.	9.0	33
87	Process and Mechanism of Gold Mineralization at the Zhengchong Gold Deposit, Jiangnan Orogenic Belt: Evidence from the Arsenopyrite and Chlorite Mineral Thermometers. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50		
88	Systematic evaluation of a dynamic sewer process model for prediction of odor formation and mitigation in large-scale pressurized sewers in Hong Kong. <i>Water Research</i> , 2019, 154, 94-103.	11.3	41
89	Anatomy of a world-class epizonal orogenic-gold system: A holistic thermochronological analysis of the Xincheng gold deposit, Jiaodong Peninsula, eastern China. <i>Gondwana Research</i> , 2019, 70, 50-70.	6.0	32
90	SoarNet. <i>IEEE Wireless Communications</i> , 2019, 26, 37-43.	9.0	25

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91	Secretion of Phospholipase D ¹ Functions as a Regulatory Mechanism in Plant Innate Immunity. <i>Plant Cell</i> , 2019, 31, 3015-3032.	6.6	55
92	On the Number and 3-D Placement of In-Band Full-Duplex Enabled Drone-Mounted Base-Stations. <i>IEEE Wireless Communications Letters</i> , 2019, 8, 221-224.	5.0	26
93	Electroactive biofilm-based constructed wetland (EABB-CW): A mesocosm-scale test of an innovative setup for wastewater treatment. <i>Science of the Total Environment</i> , 2019, 659, 796-806.	8.0	60
94	Grain boundary induced deformation mechanisms in nanocrystalline Al by molecular dynamics simulation: From interatomic potential perspective. <i>Computational Materials Science</i> , 2019, 156, 421-433.	3.0	42
95	Numerical analysis of spatial discretization schemes in ARES transport code for shielding calculation. <i>Progress in Nuclear Energy</i> , 2019, 110, 236-244.	2.9	4
96	Microbial community metabolic profiles in saturated constructed wetlands treating iohexol and ibuprofen. <i>Science of the Total Environment</i> , 2019, 651, 1926-1934.	8.0	23
97	Ultrasound sensing based on an in-fiber dual-cavity Fabry-Pérot interferometer. <i>Optics Letters</i> , 2019, 44, 3606.	3.3	42
98	Thermal and acoustic noise insensitive Brillouin random fiber laser based on polarization-maintaining random fiber grating. <i>Optics Letters</i> , 2019, 44, 4195.	3.3	16
99	A novel elemental sulfur reduction and sulfide oxidation integrated process for wastewater treatment and sulfur recycling. <i>Chemical Engineering Journal</i> , 2018, 342, 438-445.	12.7	46
100	Long-Term Feeding of Elemental Sulfur Alters Microbial Community Structure and Eliminates Mercury Methylation Potential in Sulfate-Reducing Bacteria Abundant Activated Sludge. <i>Environmental Science & Technology</i> , 2018, 52, 4746-4753.	10.0	40
101	Energy-Aware Virtual Machine Management in Inter-Datacenter Networks Over Elastic Optical Infrastructure. <i>IEEE Transactions on Green Communications and Networking</i> , 2018, 2, 305-315.	5.5	15
102	Shear response of grain boundaries with metastable structures by molecular dynamics simulations. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2018, 26, 035008.	2.0	19
103	Multi-Wavelength Brillouin Random Fiber Laser via Distributed Feedback From a Random Fiber Grating. <i>Journal of Lightwave Technology</i> , 2018, 36, 2122-2128.	4.6	55
104	Impacts of design configuration and plants on the functionality of the microbial community of mesocosm-scale constructed wetlands treating ibuprofen. <i>Water Research</i> , 2018, 131, 228-238.	11.3	48
105	Realizing high-rate sulfur reduction under sulfate-rich conditions in a biological sulfide production system to treat metal-laden wastewater deficient in organic matter. <i>Water Research</i> , 2018, 131, 239-245.	11.3	71
106	Linearly Polarized Multi-Wavelength Fiber Laser Comb via Brillouin Random Lasing Oscillation. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1005-1008.	2.5	9
107	Biological Sulfur Reduction To Generate H ₂ S As a Reducing Agent To Achieve Simultaneous Catalytic Removal of SO ₂ and NO and Sulfur Recovery from Flue Gas. <i>Environmental Science & Technology</i> , 2018, 52, 4754-4762.	10.0	26
108	Structural geometry of orogenic gold deposits: Implications for exploration of world-class and giant deposits. <i>Geoscience Frontiers</i> , 2018, 9, 1163-1177.	8.4	160

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109	Multiwavelength Coherent Brillouin Random Fiber Laser With Ultrahigh Optical Signal-to-Noise Ratio. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-8.	2.9	22
110	Removal of the pesticide tebuconazole in constructed wetlands: Design comparison, influencing factors and modelling. <i>Environmental Pollution</i> , 2018, 233, 71-80.	7.5	62
111	Deformation twinning and dislocation processes in nanotwinned copper by molecular dynamics simulations. <i>Computational Materials Science</i> , 2018, 142, 59-71.	3.0	21
112	Dynamic interaction between grain boundary and stacking fault tetrahedron. <i>Scripta Materialia</i> , 2018, 144, 78-83.	5.2	41
113	A dual fracture transition mechanism in nanotwinned Ni. <i>Materials Letters</i> , 2018, 210, 243-247.	2.6	1
114	Self-accelerating sulfur reduction via polysulfide to realize a high-rate sulfidogenic reactor for wastewater treatment. <i>Water Research</i> , 2018, 130, 161-167.	11.3	69
115	Goal-Oriented Regional Angular Adaptive Algorithm for the S_N Equations. <i>Nuclear Science and Engineering</i> , 2018, 189, 120-134.	1.1	16
116	Elemental sulfur as an electron acceptor for organic matter removal in a new high-rate anaerobic biological wastewater treatment process. <i>Chemical Engineering Journal</i> , 2018, 331, 16-22.	12.7	39
117	Analysis of Spatial Discretization Error Estimators Implemented in ARES Transport Code for S_N Equations. <i>Science and Technology of Nuclear Installations</i> , 2018, 2018, 1-10.	0.8	1
118	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. <i>Nature Communications</i> , 2018, 9, 5052.	12.8	75
119	Nonlinear elastic response of single crystal Cu under uniaxial loading by molecular dynamics study. <i>Materials Letters</i> , 2018, 227, 236-239.	2.6	24
120	New insights into the effects of support matrix on the removal of organic micro-pollutants and the microbial community in constructed wetlands. <i>Environmental Pollution</i> , 2018, 240, 699-708.	7.5	31
121	3-D Drone-Base-Station Placement With In-Band Full-Duplex Communications. <i>IEEE Communications Letters</i> , 2018, 22, 1902-1905.	4.1	49
122	Regression models with ordered multiple categorical predictors. <i>Journal of Statistical Computation and Simulation</i> , 2018, 88, 3164-3178.	1.2	4
123	Atomistic Simulation of the Interaction Between Point Defects and Twin Boundary. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1800228.	1.5	3
124	Geological and isotopic constraints on ore genesis, Huangjindong gold deposit, Jiangnan Orogen, southern China. <i>Ore Geology Reviews</i> , 2018, 99, 264-281.	2.7	33
125	Ibuprofen and iohexol removal in saturated constructed wetland mesocosms. <i>Ecological Engineering</i> , 2017, 98, 394-402.	3.6	48
126	All-Fiber Generation of Sub-30 fs Pulses at 1.3- μ m via Cherenkov Radiation With Entire Dispersion Management. <i>Journal of Lightwave Technology</i> , 2017, 35, 2325-2330.	4.6	14

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127	The formation and destruction of stacking fault tetrahedron in fcc metals: A molecular dynamics study. <i>Scripta Materialia</i> , 2017, 136, 78-82.	5.2	38
128	Functionality of microbial communities in constructed wetlands used for pesticide remediation: Influence of system design and sampling strategy. <i>Water Research</i> , 2017, 110, 241-251.	11.3	82
129	Deformation mechanisms in nanotwinned copper by molecular dynamics simulation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 687, 343-351.	5.6	51
130	A high-rate sulfidogenic process based on elemental sulfur reduction: Cost-effectiveness evaluation and microbial community analysis. <i>Biochemical Engineering Journal</i> , 2017, 128, 26-32.	3.6	27
131	Effects of constructed wetland design on ibuprofen removal – A mesocosm scale study. <i>Science of the Total Environment</i> , 2017, 609, 38-45.	8.0	64
132	Calculation of the C5G7 3-D extension benchmark by ARES transport code. <i>Nuclear Engineering and Design</i> , 2017, 318, 231-238.	1.7	8
133	High-Speed Random Bit Generation via Brillouin Random Fiber Laser With Non-Uniform Fibers. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1352-1355.	2.5	13
134	Influence of temperature and local structure on the shear-coupled grain boundary migration. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600477.	1.5	17
135	Stacking fault tetrahedron induced plasticity in copper single crystal. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 680, 27-38.	5.6	41
136	Thermochronologic constrains on the processes of formation and exhumation of the Xinli orogenic gold deposit, Jiaodong Peninsula, eastern China. <i>Ore Geology Reviews</i> , 2017, 81, 140-153.	2.7	42
137	Microbial community metabolic function in constructed wetland mesocosms treating the pesticides imazalil and tebuconazole. <i>Ecological Engineering</i> , 2017, 98, 378-387.	3.6	32
138	Evaluation of Mechanical Properties of $\{111\}$ Tilt Grain Boundary with Self-Interstitial Atoms by Molecular Dynamics Simulation. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	2.7	6
139	ARES: A Parallel Discrete Ordinates Transport Code for Radiation Shielding Applications and Reactor Physics Analysis. <i>Science and Technology of Nuclear Installations</i> , 2017, 2017, 1-11.	0.8	17
140	Experimental Study on Variation Rules of Damping with Influential Factors of Tuned Liquid Column Damper. <i>Shock and Vibration</i> , 2017, 2017, 1-17.	0.6	1
141	Analyses of the TIARA 43-MeV Proton Benchmark Shielding Experiments Using the ARES Transport Code. <i>Science and Technology of Nuclear Installations</i> , 2017, 2017, 1-5.	0.8	0
142	The effect of an orifice plate with different orifice numbers and shapes on the damping characteristics of a dual-chamber air spring. <i>Journal of Vibroengineering</i> , 2017, 19, 2375-2389.	1.0	3
143	Evaluation of PWR pressure vessel fast neutron fluence benchmarks from NUREG/CR-6115 with ares transport code. <i>Nuclear Technology and Radiation Protection</i> , 2017, 32, 204-210.	0.8	5
144	The Stiffness and Damping Characteristics of a Dual-Chamber Air Spring Device Applied to Motion Suppression of Marine Structures. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 74.	2.5	15

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145	Indirect sulfur reduction via polysulfide contributes to serious odor problem in a sewer receiving nitrate dosage. <i>Water Research</i> , 2016, 100, 421-428.	11.3	71
146	Strengthening mechanisms and dislocation processes in $\langle 111 \rangle$ textured nanotwinned copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 676, 474-486.	5.6	20
147	Anycast Planning in Space Division Multiplexing Elastic Optical Networks With Multi-Core Fibers. <i>IEEE Communications Letters</i> , 2016, 20, 1983-1986.	4.1	40
148	Coupled grain boundary motion in aluminium: the effect of structural multiplicity. <i>Scientific Reports</i> , 2016, 6, 25427.	3.3	29
149	Effects of Lead and Mercury on Sulfate-Reducing Bacterial Activity in a Biological Process for Flue Gas Desulfurization Wastewater Treatment. <i>Scientific Reports</i> , 2016, 6, 30455.	3.3	43
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