Liang Zhang

List of Publications by Year
in descending order

175 papers	6,039 citations	71102 41 h-index	98798 67 g-index
176 all docs	176 docs citations	176 times ranked	5902 citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Service Provisioning in Elastic Optical Networks With Hybrid Single-/Multi-Path Routing. Journal of Lightwave Technology, 2013, 31, 15-22.	4.6	424
2	Highly efficient data migration and backup for big data applications in elastic optical inter-data-center networks. IEEE Network, 2015, 29, 36-42.	6.9	324
3	Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.	27.8	282
4	A holistic model for the origin of orogenic gold deposits and its implications for exploration. Mineralium Deposita, 2020, 55, 275-292.	4.1	223
5	Structural geometry of orogenic gold deposits: Implications for exploration of world-class and giant deposits. Geoscience Frontiers, 2018, 9, 1163-1177.	8.4	160
6	Plasma Metabonomic Profiling of Diabetic Retinopathy. Diabetes, 2016, 65, 1099-1108.	0.6	113
7	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at 120 Â± 2 Ma During Cooling of Pregold Granite Intrusions. Economic Geology, 2020, 115, 415-441.	3.8	110
8	Thermochronologic constraints on evolution of the Linglong Metamorphic Core Complex and implications for gold mineralization: A case study from the Xiadian gold deposit, Jiaodong Peninsula, eastern China. Ore Geology Reviews, 2016, 72, 165-178.	2.7	93
9	Latency-Aware IoT Service Provisioning in UAV-Aided Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2020, 7, 10573-10580.	8.7	93
10	Fluid immiscibility and gold deposition in the Xincheng deposit, Jiaodong Peninsula, China: A fluid inclusion study. Ore Geology Reviews, 2015, 65, 701-717.	2.7	85
11	Functionality of microbial communities in constructed wetlands used for pesticide remediation: Influence of system design and sampling strategy. Water Research, 2017, 110, 241-251.	11.3	82
12	A novel approach to realize SANI process in freshwater sewage treatment â€" Use of wet flue gas desulfurization waste streams as sulfur source. Water Research, 2013, 47, 5773-5782.	11.3	80
13	A review on atomistic simulation of grain boundary behaviors in face-centered cubic metals. Computational Materials Science, 2016, 118, 180-191.	3.0	78
14	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. Nature Communications, 2018, 9, 5052.	12.8	75
15	Indirect sulfur reduction via polysulfide contributes to serious odor problem in a sewer receiving nitrate dosage. Water Research, 2016, 100, 421-428.	11.3	71
16	Realizing high-rate sulfur reduction under sulfate-rich conditions in a biological sulfide production system to treat metal-laden wastewater deficient in organic matter. Water Research, 2018, 131, 239-245.	11.3	71
17	Removal of the pesticides imazalil and tebuconazole in saturated constructed wetland mesocosms. Water Research, 2016, 91, 126-136.	11.3	70
18	Self-accelerating sulfur reduction via polysulfide to realize a high-rate sulfidogenic reactor for wastewater treatment. Water Research, 2018, 130, 161-167.	11.3	69

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19	Effects of constructed wetland design on ibuprofen removal â€" A mesocosm scale study. Science of the Total Environment, 2017, 609, 38-45.	8.0	64
20	At the intersection of exocytosis and endocytosis in plants. New Phytologist, 2019, 224, 1479-1489.	7.3	63
21	Removal of the pesticide tebuconazole in constructed wetlands: Design comparison, influencing factors and modelling. Environmental Pollution, 2018, 233, 71-80.	7.5	62
22	Electroactive biofilm-based constructed wetland (EABB-CW): A mesocosm-scale test of an innovative setup for wastewater treatment. Science of the Total Environment, 2019, 659, 796-806.	8.0	60
23	Inverse Hall-Petch relationship of high-entropy alloy by atomistic simulation. Materials Letters, 2020, 274, 128024.	2.6	60
24	Atomistic Simulation of Tensile Deformation Behavior of â˜5 Tilt Grain Boundaries in Copper Bicrystal. Scientific Reports, 2014, 4, 5919.	3.3	59
25	Multi-Wavelength Brillouin Random Fiber Laser via Distributed Feedback From a Random Fiber Grating. Journal of Lightwave Technology, 2018, 36, 2122-2128.	4.6	55
26	Developmental changes in longitudinal associations between academic achievement and psychopathological symptoms from late childhood to middle adolescence. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2019, 60, 178-188.	5.2	55
27	Secretion of Phospholipase DÎ´ Functions as a Regulatory Mechanism in Plant Innate Immunity. Plant Cell, 2019, 31, 3015-3032.	6.6	55
28	Interaction between nano-voids and migrating grain boundary by molecular dynamics simulation. Acta Materialia, 2019, 173, 206-224.	7.9	52
29	Dose-dependent effects of acetate on the biodegradation of pharmaceuticals in moving bed biofilm reactors. Water Research, 2019, 159, 302-312.	11.3	52
30	Deformation mechanisms in nanotwinned copper by molecular dynamics simulation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 687, 343-351.	5.6	51
31	The shear response of copper bicrystals with Î£11 symmetric and asymmetric tilt grain boundaries by molecular dynamics simulation. Nanoscale, 2015, 7, 7224-7233.	5.6	50
32	Biological conversion of sulfamethoxazole in an autotrophic denitrification system. Water Research, 2020, 185, 116156.	11.3	50
33	3-D Drone-Base-Station Placement With In-Band Full-Duplex Communications. IEEE Communications Letters, 2018, 22, 1902-1905.	4.1	49
34	Interaction of perfluorooctanoic acid with extracellular polymeric substances - Role of protein. Journal of Hazardous Materials, 2021, 401, 123381.	12.4	49
35	Ibuprofen and iohexol removal in saturated constructed wetland mesocosms. Ecological Engineering, 2017, 98, 394-402.	3.6	48
36	Impacts of design configuration and plants on the functionality of the microbial community of mesocosm-scale constructed wetlands treating ibuprofen. Water Research, 2018, 131, 228-238.	11.3	48

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37	A novel elemental sulfur reduction and sulfide oxidation integrated process for wastewater treatment and sulfur recycling. Chemical Engineering Journal, 2018, 342, 438-445.	12.7	46
38	On the vibrations of the non-polynomial viscoelastic composite open-type shell under residual stresses. Composite Structures, 2021, 263, 113599.	5.8	46
39	Enhanced removal of pharmaceuticals in a biofilter: Effects of manipulating co-degradation by carbon feeding. Chemosphere, 2019, 236, 124303.	8.2	45
40	Spectrum-efficient anycast in elastic optical inter-datacenter networks. Optical Switching and Networking, 2014, 14, 250-259.	2.0	43
41	Effects of Lead and Mercury on Sulfate-Reducing Bacterial Activity in a Biological Process for Flue Gas Desulfurization Wastewater Treatment. Scientific Reports, 2016, 6, 30455.	3.3	43
42	Mechanistic insights into a novel nitrilotriacetic acid-Fe0 and CaO2 process for efficient anaerobic digestion sludge dewatering at near-neutral pH. Water Research, 2020, 184, 116149.	11.3	43
43	Energy-Efficient Translucent Optical Transport Networks With Mixed Regenerator Placement. Journal of Lightwave Technology, 2012, 30, 3147-3156.	4.6	42
44	Brittle versus ductile behaviour of nanotwinned copper: A molecular dynamics study. Acta Materialia, 2015, 89, 1-13.	7.9	42
45	Thermochronologic constrains on the processes of formation and exhumation of the Xinli orogenic gold deposit, Jiaodong Peninsula, eastern China. Ore Geology Reviews, 2017, 81, 140-153.	2.7	42
46	Grain boundary induced deformation mechanisms in nanocrystalline Al by molecular dynamics simulation: From interatomic potential perspective. Computational Materials Science, 2019, 156, 421-433.	3.0	42
47	Ultrasound sensing based on an in-fiber dual-cavity Fabry–Perot interferometer. Optics Letters, 2019, 44, 3606.	3.3	42
48	Stacking fault tetrahedron induced plasticity in copper single crystal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 680, 27-38.	5.6	41
49	Dynamic interaction between grain boundary and stacking fault tetrahedron. Scripta Materialia, 2018, 144, 78-83.	5.2	41
50	Systematic evaluation of a dynamic sewer process model for prediction of odor formation and mitigation in large-scale pressurized sewers in Hong Kong. Water Research, 2019, 154, 94-103.	11.3	41
51	Anycast Planning in Space Division Multiplexing Elastic Optical Networks With Multi-Core Fibers. IEEE Communications Letters, 2016, 20, 1983-1986.	4.1	40
52	Long-Term Feeding of Elemental Sulfur Alters Microbial Community Structure and Eliminates Mercury Methylation Potential in Sulfate-Reducing Bacteria Abundant Activated Sludge. Environmental Science & Technology, 2018, 52, 4746-4753.	10.0	40
53	Optimizing the Operation Cost for UAV-Aided Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 6085-6093.	6.3	40
54	Elemental sulfur as an electron acceptor for organic matter removal in a new high-rate anaerobic biological wastewater treatment process. Chemical Engineering Journal, 2018, 331, 16-22.	12.7	39

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55	The formation and destruction of stacking fault tetrahedron in fcc metals: A molecular dynamics study. Scripta Materialia, 2017, 136, 78-82.	5.2	38
56	Low-velocity impact, resonance, and frequency responses of FG-GPLRC viscoelastic doubly curved panel. Composite Structures, 2021, 269, 114000.	5.8	38
57	Utilization of pre-existing competent and barren quartz veins as hosts to later orogenic gold ores at Huangjindong gold deposit, Jiangnan Orogen, southern China. Mineralium Deposita, 2020, 55, 363-380.	4.1	36
58	Influence of heater thermal capacity on bubble dynamics and heat transfer in nucleate pool boiling. Applied Thermal Engineering, 2015, 88, 118-126.	6.0	34
59	Geological and isotopic constraints on ore genesis, Huangjindong gold deposit, Jiangnan Orogen, southern China. Ore Geology Reviews, 2018, 99, 264-281.	2.7	33
60	A Framework for 5G Networks with In-Band Full-Duplex Enabled Drone-Mounted Base-Stations. IEEE Wireless Communications, 2019, 26, 121-127.	9.0	33
61	Microbial community metabolic function in constructed wetland mesocosms treating the pesticides imazalil and tebuconazole. Ecological Engineering, 2017, 98, 378-387.	3.6	32
62	Anatomy of a world-class epizonal orogenic-gold system: A holistic thermochronological analysis of the Xincheng gold deposit, Jiaodong Peninsula, eastern China. Gondwana Research, 2019, 70, 50-70.	6.0	32
63	Quorum quenching altered microbial diversity and activity of anaerobic membrane bioreactor (AnMBR) and enhanced methane generation. Bioresource Technology, 2020, 315, 123862.	9.6	32
64	Molecular dynamics simulation and machine learning of mechanical response in non-equiatomic FeCrNiCoMn high-entropy alloy. Journal of Materials Research and Technology, 2021, 13, 2043-2054.	5.8	32
65	New insights into the effects of support matrix on the removal of organic micro-pollutants and the microbial community in constructed wetlands. Environmental Pollution, 2018, 240, 699-708.	7.5	31
66	Family socioeconomic status and Chinese children's early academic development: Examining child-level mechanisms. Contemporary Educational Psychology, 2019, 59, 101792.	2.9	31
67	Metagenomic insights into the effect of thermal hydrolysis pre-treatment on microbial community of an anaerobic digestion system. Science of the Total Environment, 2021, 791, 148096.	8.0	31
68	Removal of sulfamethoxazole (SMX) in sulfate-reducing flocculent and granular sludge systems. Bioresource Technology, 2019, 288, 121592.	9.6	30
69	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. Mineralium Deposita, 2020, 55, 325-344.	4.1	30
70	Effect of sludge retention time on microbial succession and assembly in thermal hydrolysis pretreated sludge digesters: Deterministic versus stochastic processes. Water Research, 2022, 209, 117900.	11.3	30
71	Coupled grain boundary motion in aluminium: the effect of structural multiplicity. Scientific Reports, 2016, 6, 25427.	3.3	29
72	Unveiling the role of activated carbon on hydrolysis process in anaerobic digestion. Bioresource Technology, 2020, 296, 122366.	9.6	28

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73	Numerical simulation of bubble dynamics and heat transfer with transient thermal response of solid wall during pool boiling of FC-72. International Journal of Heat and Mass Transfer, 2015, 84, 409-418.	4.8	27
74	A high-rate sulfidogenic process based on elemental sulfur reduction: Cost-effectiveness evaluation and microbial community analysis. Biochemical Engineering Journal, 2017, 128, 26-32.	3.6	27
75	Molecular dynamics study on the grain boundary dislocation source in nanocrystalline copper under tensile loading. Materials Research Express, 2015, 2, 035009.	1.6	26
76	Biological Sulfur Reduction To Generate H_2S As a Reducing Agent To Achieve Simultaneous Catalytic Removal of SO_2 and NO and Sulfur Recovery from Flue Gas. Environmental Science & Technology, 2018, 52, 4754-4762.	10.0	26
77	On the Number and 3-D Placement of In-Band Full-Duplex Enabled Drone-Mounted Base-Stations. IEEE Wireless Communications Letters, 2019, 8, 221-224.	5.0	26
78	Topological structure evolvement of flow and temperature fields in deformable drop Marangoni migration in microgravity. International Journal of Heat and Mass Transfer, 2011, 54, 4655-4663.	4.8	25
79	Global Metabonomic and Proteomic Analysis of Human Conjunctival Epithelial Cells (IOBA-NHC) in Response to Hyperosmotic Stress. Journal of Proteome Research, 2015, 14, 3982-3995.	3.7	25
80	SoarNet. IEEE Wireless Communications, 2019, 26, 37-43.	9.0	25
81	Elemental sulfur-driven sulfidogenic process under highly acidic conditions for sulfate-rich acid mine drainage treatment: Performance and microbial community analysis. Water Research, 2020, 185, 116230.	11.3	25
82	Review on Fiber-Optic Vortices and Their Sensing Applications. Journal of Lightwave Technology, 2021, 39, 3740-3750.	4.6	25
83	Nonlinear elastic response of single crystal Cu under uniaxial loading by molecular dynamics study. Materials Letters, 2018, 227, 236-239.	2.6	24
84	Active learning strategy for high fidelity short-term data-driven building energy forecasting. Energy and Buildings, 2021, 244, 111026.	6.7	24
85	Microbial community metabolic profiles in saturated constructed wetlands treating iohexol and ibuprofen. Science of the Total Environment, 2019, 651, 1926-1934.	8.0	23
86	Classroom Status Hierarchy Moderates the Association between Social Dominance Goals and Bullying Behavior in Middle Childhood and Early Adolescence. Journal of Youth and Adolescence, 2020, 49, 2285-2297.	3.5	23
87	Pyrite assisted peroxymonosulfate sludge conditioning: Uncover triclosan transformation during treatment. Journal of Hazardous Materials, 2021, 413, 125368.	12.4	23
88	Multiwavelength Coherent Brillouin Random Fiber Laser With Ultrahigh Optical Signal-to-Noise Ratio. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	22
89	Deformation twinning and dislocation processes in nanotwinned copper by molecular dynamics simulations. Computational Materials Science, 2018, 142, 59-71.	3.0	21
90	Subduction: The recycling engine room for global metallogeny. Ore Geology Reviews, 2021, 134, 104130.	2.7	21

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91	Strengthening mechanisms and dislocation processes in <111> textured nanotwinned copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 676, 474-486.	5.6	20
92	Fast-Moving Jamming Suppression for UAV Navigation: A Minimum Dispersion Distortionless Response Beamforming Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 7815-7827.	6.3	20
93	High-Efficiency Random Fiber Laser Based on Strong Random Fiber Grating for MHz Ultrasonic Sensing. IEEE Sensors Journal, 2020, 20, 5885-5892.	4.7	20
94	Referral for disease-related visual impairment using retinal photograph-based deep learning: a proof-of-concept, model development study. The Lancet Digital Health, 2021, 3, e29-e40.	12.3	20
95	Global Incidence, Progression, and Risk Factors of Age-Related Macular Degeneration and Projection of Disease Statistics in 30 Years: A Modeling Study. Gerontology, 2022, 68, 721-735.	2.8	20
96	Data-driven building energy modeling with feature selection and active learning for data predictive control. Energy and Buildings, 2021, 252, 111436.	6.7	20
97	UAV-Assisted Edge Computing and Streaming for Wireless Virtual Reality: Analysis, Algorithm Design, and Performance Guarantees. IEEE Transactions on Vehicular Technology, 2022, 71, 3267-3275.	6.3	20
98	A New Energy-Absorbing Device for Motion Suppression in Deep-Sea Floating Platforms. Energies, 2015, 8, 111-132.	3.1	19
99	Shear response of grain boundaries with metastable structures by molecular dynamics simulations. Modelling and Simulation in Materials Science and Engineering, 2018, 26, 035008.	2.0	19
100	Influence of temperature and local structure on the shear-coupled grain boundary migration. Physica Status Solidi (B): Basic Research, 2017, 254, 1600477.	1.5	17
101	ARES: A Parallel Discrete Ordinates Transport Code for Radiation Shielding Applications and Reactor Physics Analysis. Science and Technology of Nuclear Installations, 2017, 2017, 1-11.	0.8	17
102	Responses of mesophilic anaerobic sludge microbiota to thermophilic conditions: Implications for start-up and operation of thermophilic THP-AD systems. Water Research, 2022, 216, 118332.	11.3	17
103	Goal-Oriented Regional Angular Adaptive Algorithm for the S_N Equations. Nuclear Science and Engineering, 2018, 189, 120-134.	1.1	16
104	Approximate Algorithms for 3-D Placement of IBFD Enabled Drone-Mounted Base Stations. IEEE Transactions on Vehicular Technology, 2019, 68, 7715-7722.	6.3	16
105	3D Printing Technique-Improved Phase-Sensitive OTDR for Breakdown Discharge Detection of Gas-Insulated Switchgear. Sensors, 2020, 20, 1045.	3.8	16
106	Thermal and acoustic noise insensitive Brillouin random fiber laser based on polarization-maintaining random fiber grating. Optics Letters, 2019, 44, 4195.	3.3	16
107	NOB suppression strategies in a mainstream membrane aerated biofilm reactor under exceptionally low lumen pressure. Chemosphere, 2022, 290, 133386.	8.2	16
108	The Stiffness and Damping Characteristics of a Dual-Chamber Air Spring Device Applied to Motion Suppression of Marine Structures. Applied Sciences (Switzerland), 2016, 6, 74.	2.5	15

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109	Energy-Aware Virtual Machine Management in Inter-Datacenter Networks Over Elastic Optical Infrastructure. IEEE Transactions on Green Communications and Networking, 2018, 2, 305-315.	5.5	15
110	Image Recommendation Algorithm Based on Deep Learning. IEEE Access, 2020, 8, 132799-132807.	4.2	15
111	Multi-system fusion based on deep neural network and cloud edge computing and its application in intelligent manufacturing. Neural Computing and Applications, 2022, 34, 3411-3420.	5.6	15
112	Underwater acoustic source localization based on phase-sensitive optical time domain reflectometry. Optics Express, 2021, 29, 12880.	3.4	15
113	All-Fiber Generation of Sub-30 fs Pulses at 1.3-Î¼m via Cherenkov Radiation With Entire Dispersion Management. Journal of Lightwave Technology, 2017, 35, 2325-2330.	4.6	14
114	Brittle versus ductile fracture behaviour in nanotwinned FCC crystals. Materials Letters, 2015, 152, 65-67.	2.6	13
115	High-Speed Random Bit Generation via Brillouin Random Fiber Laser With Non-Uniform Fibers. IEEE Photonics Technology Letters, 2017, 29, 1352-1355.	2.5	13
116	Bidirectional Associations between Peer Relations and Attention Problems from 9 to 16 Years. Journal of Abnormal Child Psychology, 2019, 47, 381-392.	3.5	13
117	Is kidney function associated with primary open-angle glaucoma? Findings from the Asian Eye Epidemiology Consortium. British Journal of Ophthalmology, 2020, 104, bjophthalmol-2019-314890.	3.9	13
118	Developmental changes in associations between depressive symptoms and peer relationships: a four-year follow-up of Chinese adolescents. Journal of Youth and Adolescence, 2020, 49, 1913-1927.	3.5	13
119	Frequency-stabilized Brillouin random fiber laser enabled by self-inscribed transient population grating. Optics Letters, 2022, 47, 150.	3.3	13
120	Process and Mechanism of Gold Mineralization at the Zhengchong Gold Deposit, Jiangnan Orogenic Belt: Evidence from the Arsenopyrite and Chlorite Mineral Thermometers. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlook 10 Tf 50 297 Td		
121	Triclosan transformation and impact on an elemental sulfur-driven sulfidogenic process. Chemical Engineering Journal, 2021, 421, 129634.	12.7	12
122	Unveiling delay-time-resolved phase noise statistics of narrow-linewidth laser via coherent optical time domain reflectometry. Optics Express, 2020, 28, 6719.	3.4	12
123	Genome-centric metagenomics analysis revealed the metabolic function of abundant microbial communities in thermal hydrolysis-assisted thermophilic anaerobic digesters under propionate stress. Bioresource Technology, 2022, 360, 127574.	9.6	12
124	Axial and Transverse Coupled Vibration Characteristics of Deep-water Riser with Internal Flow. Procedia Engineering, 2015, 126, 260-264.	1.2	10
125	Mechanical response and plastic deformation of coherent twin boundary with perfect and defective structures. Mechanics of Materials, 2020, 141, 103266.	3.2	10
126	Dynamic vortex mode-switchable erbium-doped Brillouin laser pumped by high-order mode. Optics Letters, 2021, 46, 468.	3.3	10

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127	High-Sensitivity Bending Sensor Based on Supermode Interference in Coupled Four-Core Sapphire-Derived Fiber. Journal of Lightwave Technology, 2021, 39, 3932-3940.	4.6	10
128	A dual deformation mechanism of grain boundary at different stress stages. Materials Letters, 2016, 167, 278-283.	2.6	9
129	Linearly Polarized Multi-Wavelength Fiber Laser Comb via Brillouin Random Lasing Oscillation. IEEE Photonics Technology Letters, 2018, 30, 1005-1008.	2.5	9
130	Parenting Practices, Family Obligation, and Adolescentsâ€™ Academic Adjustment: Cohort Differences with Social Change in China. Journal of Research on Adolescence, 2020, 30, 721-734.	3.7	9
131	Laser Charging Enabled DBS Placement for Downlink Communications. IEEE Transactions on Network Science and Engineering, 2021, 8, 3009-3018.	6.4	9
132	Metallogenic â€˜factoriesâ€™ and resultant highly anomalous mineral endowment on the craton margins of China. Geoscience Frontiers, 2022, 13, 101339.	8.4	9
133	Verification of ARES transport code system with TAKEDA benchmarks. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 797, 297-303.	1.6	8
134	Ductile-to-brittle fracture transition in polycrystalline nickel under tensile hydrostatic stress. Computational Materials Science, 2015, 109, 147-156.	3.0	8
135	Calculation of the C5G7 3-D extension benchmark by ARES transport code. Nuclear Engineering and Design, 2017, 318, 231-238.	1.7	8
136	Optimizing the Deployment and Throughput of DBSs for Uplink Communications. IEEE Open Journal of Vehicular Technology, 2020, 1, 18-28.	4.9	8
137	Effects of low doses of UV-B radiation supplementation on tuber quality in purple potato (<i>Solanum tuberosum</i> L.). Plant Signaling and Behavior, 2020, 15, 1783490.	2.4	8
138	Theoretical and Experimental Study on the Transmission Loss of a Side Outlet Muffler. Shock and Vibration, 2020, 2020, 1-8.	0.6	8
139	Flexible backhaul-aware DBS-aided HetNet with IBFD communications. ICT Express, 2020, 6, 48-56.	4.8	7
140	A Pattern-Recognition-Based Ensemble Data Imputation Framework for Sensors from Building Energy Systems. Sensors, 2020, 20, 5947.	3.8	7
141	Association of Cataract Surgery With Risk of Diabetic Retinopathy Among Asian Participants in the Singapore Epidemiology of Eye Diseases Study. JAMA Network Open, 2020, 3, e208035.	5.9	7
142	Evaluation of Mechanical Properties of Î£5(210)/[001] Tilt Grain Boundary with Self-Interstitial Atoms by Molecular Dynamics Simulation. Journal of Nanomaterials, 2017, 2017, 1-11.	2.7	6
143	Compound Fabryâ€“PÃ©rot interferometer for simultaneous high-pressure and high-temperature measurement. Optics Express, 2021, 29, 24289.	3.4	6
144	Sensing Matrix Design for MMV Compressive Sensing: An MVDR Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 8601-8612.	6.3	5

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145	A Simple Scale-Invariant Two-Sample Test for High-dimensional Data. Econometrics and Statistics, 2020, 14, 131-144.	0.8	5
146	Top-N recommendation algorithm integrated neural network. Neural Computing and Applications, 2021, 33, 3881-3889.	5.6	5
147	Evaluation of PWR pressure vessel fast neutron fluence benchmarks from NUREG/CR-6115 with ares transport code. Nuclear Technology and Radiation Protection, 2017, 32, 204-210.	0.8	5
148	Influence of Transient Thermal Response of Solid Wall on Bubble Dynamics in Pool Boiling. Journal of Computational Multiphase Flows, 2014, 6, 313-327.	0.8	4
149	Regression models with ordered multiple categorical predictors. Journal of Statistical Computation and Simulation, 2018, 88, 3164-3178.	1.2	4
150	Numerical analysis of spatial discretization schemes in ARES transport code for shielding calculation. Progress in Nuclear Energy, 2019, 110, 236-244.	2.9	4
151	Parenting Practices and Adolescent Effortful Control: MAOA T941G Gene Polymorphism as a Moderator. Frontiers in Psychology, 2020, 11, 60.	2.1	4
152	Cylindrical Vector Beam for Vector Magnetic Field Sensing Based on Magnetic Fluid. IEEE Photonics Technology Letters, 2021, 33, 703-706.	2.5	4
153	Dynamic mode-switchable and wavelength-tunable Brillouin random fiber laser by a high-order mode pump. Optics Express, 2021, 29, 34109.	3.4	4
154	Quasi-Distributed Magnetic Field Fiber Sensors Integrated with Magnetostrictive Rod in OFDR System. Electronics (Switzerland), 2022, 11, 1013.	3.1	4
155	Metagenomic assembled genomes unravel purple non‑sulfur bacteria (PNSB) involved in integrating C, N, P biotransformation. Science of the Total Environment, 2022, 830, 154591.	8.0	4
156	Atomistic Simulation of the Interaction Between Point Defects and Twin Boundary. Physica Status Solidi (B): Basic Research, 2018, 255, 1800228.	1.5	3
157	Numerical study of scattering Legendre moments and effect of anisotropic scattering on SN shielding calculation. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	3
158	Influence of Temperature on All-Silica Fabry-Pérot Pressure Sensor. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	3
159	The effect of an orifice plate with different orifice numbers and shapes on the damping characteristics of a dual-chamber air spring. Journal of Vibroengineering, 2017, 19, 2375-2389.	1.0	3
160	Understanding the Radiation Resistance Mechanisms of Nanocrystalline Metals from Atomistic Simulation. Metals, 2021, 11, 1875.	2.3	3
161	Fabrication and Characterization of Low-Loss Gaussian-Like Reversed Ridge Optical Waveguides. IEEE Photonics Technology Letters, 2022, 34, 649-652.	2.5	3
162	Ab initio calculations for the H-decorated neutral and charged oxygen vacancy in erbium oxide. Fusion Engineering and Design, 2019, 144, 188-192.	1.9	2

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163	Two-sample Behrens–Fisher problems for high-dimensional data: a normal reference scale-invariant test. Journal of Applied Statistics, 2023, 50, 456-476.	1.3	2
164	Study of deformation behaviors of martensitic steel quenched at ultralow temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 785, 139399.	5.6	2
165	Stabilized Long-Distance Superluminal Propagation Based on Polarization-Matched Low-Noise Brillouin Lasing Resonance. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	2
166	Influence of Transient Thermal Response of Solid Wall on Bubble Dynamics in Pool Boiling. Journal of Computational Multiphase Flows, 2014, 6, 361-375.	0.8	1
167	Experimental Study on Variation Rules of Damping with Influential Factors of Tuned Liquid Column Damper. Shock and Vibration, 2017, 2017, 1-17.	0.6	1
168	A dual fracture transition mechanism in nanotwinned Ni. Materials Letters, 2018, 210, 243-247.	2.6	1
169	Analysis of Spatial Discretization Error Estimators Implemented in ARES Transport Code for S_N Equations. Science and Technology of Nuclear Installations, 2018, 2018, 1-10.	0.8	1
170	Wave propagation characteristics and absorbed energy capability of the electrically doubly curved system reinforced by nanocomposite on viscoelastic substrate. Mechanics Based Design of Structures and Machines, 2023, 51, 2794-2811.	4.7	1
171	Pathways and Mechanisms of Single-Cell Protein Production: Carbon and Nutrient Transformation. ACS ES&T Water, 2021, 1, 1313-1320.	4.6	1
172	Study on the Hydrogen Embrittlement of Nanograined Materials with Different Grain Sizes by Atomistic Simulation. Materials, 2022, 15, 4589.	2.9	1
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