

Liang Zhang

List of Publications by Year in descending order

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319
papers

19,576
citations

19657

61
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15732

125
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321
all docs

321
docs citations

321
times ranked

19685
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite-to-ground quantum key distribution. <i>Nature</i> , 2017, 549, 43-47.	27.8	1,040
2	Base-Resolution Analysis of 5-Hydroxymethylcytosine in the Mammalian Genome. <i>Cell</i> , 2012, 149, 1368-1380.	28.9	912
3	Satellite-based entanglement distribution over 1200 kilometers. <i>Science</i> , 2017, 356, 1140-1144.	12.6	870
4	Ground-to-satellite quantum teleportation. <i>Nature</i> , 2017, 549, 70-73.	27.8	524
5	Satellite-Relayed Intercontinental Quantum Network. <i>Physical Review Letters</i> , 2018, 120, 030501.	7.8	499
6	Dynamic Service Provisioning in Elastic Optical Networks With Hybrid Single-/Multi-Path Routing. <i>Journal of Lightwave Technology</i> , 2013, 31, 15-22.	4.6	424
7	An integrated space-to-ground quantum communication network over 4,600 kilometres. <i>Nature</i> , 2021, 589, 214-219.	27.8	415
8	Genetic evidence supports demic diffusion of Han culture. <i>Nature</i> , 2004, 431, 302-305.	27.8	398
9	Stratification of Extracellular Polymeric Substances (EPS) for Aggregated Anammox Microorganisms. <i>Environmental Science & Technology</i> , 2017, 51, 3260-3268.	10.0	389
10	Entanglement-based secure quantum cryptography over 1,120 kilometres. <i>Nature</i> , 2020, 582, 501-505.	27.8	350
11	Exogenous jasmonic acid can enhance tolerance of wheat seedlings to salt stress. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 202-208.	6.0	333
12	Phosphoglycerate Mutase 1 Coordinates Glycolysis and Biosynthesis to Promote Tumor Growth. <i>Cancer Cell</i> , 2012, 22, 585-600.	16.8	329
13	Highly efficient data migration and backup for big data applications in elastic optical inter-data-center networks. <i>IEEE Network</i> , 2015, 29, 36-42.	6.9	324
14	Identification of type 2 diabetes loci in 433,540 East Asian individuals. <i>Nature</i> , 2020, 582, 240-245.	27.8	282
15	Thymine DNA glycosylase specifically recognizes 5-carboxylcytosine-modified DNA. <i>Nature Chemical Biology</i> , 2012, 8, 328-330.	8.0	273
16	Quantify the contribution of anammox for enhanced nitrogen removal through metagenomic analysis and mass balance in an anoxic moving bed biofilm reactor. <i>Water Research</i> , 2019, 160, 178-187.	11.3	268
17	A protein engineered to bind uranyl selectively and with femtomolar affinity. <i>Nature Chemistry</i> , 2014, 6, 236-241.	13.6	262
18	The genome of the hydatid tapeworm <i>Echinococcus granulosus</i> . <i>Nature Genetics</i> , 2013, 45, 1168-1175.	21.4	260

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19	Partial nitrification-anammox (PNA) treating sewage with intermittent aeration mode: Effect of influent C/N ratios. <i>Chemical Engineering Journal</i> , 2018, 334, 664-672.	12.7	256
20	Direct and full-scale experimental verifications towards groundâ€‘satellite quantum key distribution. <i>Nature Photonics</i> , 2013, 7, 387-393.	31.4	247
21	Biofilm formation and electricity generation of a microbial fuel cell started up under different external resistances. <i>Journal of Power Sources</i> , 2011, 196, 6029-6035.	7.8	223
22	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
23	A critical review of one-stage anammox processes for treating industrial wastewater: Optimization strategies based on key functional microorganisms. <i>Bioresource Technology</i> , 2018, 265, 498-505.	9.6	206
24	Aqueous phase reforming of glycerol for hydrogen production over Ptâ€‘Re supported on carbon. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 206-213.	20.2	193
25	Global biodiversity research during 1900â€‘2009: a bibliometric analysis. <i>Biodiversity and Conservation</i> , 2011, 20, 807-826.	2.6	186
26	Satellite-to-Ground Entanglement-Based Quantum Key Distribution. <i>Physical Review Letters</i> , 2017, 119, 200501.	7.8	166
27	Effect of temperature on short chain fatty acids (SCFAs) accumulation and microbiological transformation in sludge alkaline fermentation with Ca(OH) ₂ adjustment. <i>Water Research</i> , 2014, 61, 34-45.	11.3	162
28	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
29	Protein cysteine phosphorylation of SarA/MgrA family transcriptional regulators mediates bacterial virulence and antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15461-15466.	7.1	151
30	A review of published wetland research, 1991â€‘2008: Ecological engineering and ecosystem restoration. <i>Ecological Engineering</i> , 2010, 36, 973-980.	3.6	136
31	Insight into the impacts of organics on anammox and their potential linking to system performance of sewage partial nitrification-anammox (PN/A): A critical review. <i>Bioresource Technology</i> , 2020, 300, 122655.	9.6	135
32	Metagenomic analysis of anammox communities in three different microbial aggregates. <i>Environmental Microbiology</i> , 2016, 18, 2979-2993.	3.8	133
33	Start-up of single-stage partial nitrification-anammox process treating low-strength swage and its restoration from nitrate accumulation. <i>Bioresource Technology</i> , 2016, 218, 771-779.	9.6	132
34	Three flavonoids targeting the Î²â€‘hydroxyacylâ€‘acyl carrier protein dehydratase from <i>Helicobacter pylori</i> : Crystal structure characterization with enzymatic inhibition assay. <i>Protein Science</i> , 2008, 17, 1971-1978.	7.6	121
35	Plasma Metabonomic Profiling of Diabetic Retinopathy. <i>Diabetes</i> , 2016, 65, 1099-1108.	0.6	113
36	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at 120 Â± 2 Ma During Cooling of Pregold Granite Intrusions. <i>Economic Geology</i> , 2020, 115, 415-441.	3.8	110

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37	Enhanced nutrient removal in a modified step feed process treating municipal wastewater with different inflow distribution ratios and nutrient ratios. <i>Bioresource Technology</i> , 2010, 101, 9012-9019.	9.6	109
38	Lysine Acetylation Activates 6-Phosphogluconate Dehydrogenase to Promote Tumor Growth. <i>Molecular Cell</i> , 2014, 55, 552-565.	9.7	107
39	Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9908-9916.	3.1	100
40	The feasibility of using a two-stage autotrophic nitrogen removal process to treat sewage. <i>Bioresource Technology</i> , 2011, 102, 8331-8334.	9.6	97
41	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. <i>Ore Geology Reviews</i> , 2016, 72, 165-178.	2.7	93
42	Enhancing ammonium oxidizing bacteria activity was key to single-stage partial nitrification-anammox system treating low-strength sewage under intermittent aeration condition. <i>Bioresource Technology</i> , 2017, 231, 36-44.	9.6	93
43	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
44	Microbial community evolution in partial nitritation/anammox process: From sidestream to mainstream. <i>Bioresource Technology</i> , 2018, 251, 327-333.	9.6	91
45	Enhanced PAPSS2/VCAN sulfation axis is essential for Snail-mediated breast cancer cell migration and metastasis. <i>Cell Death and Differentiation</i> , 2019, 26, 565-579.	11.2	91
46	Highly enriched anammox within anoxic biofilms by reducing suspended sludge biomass in a real-sewage A2/O process. <i>Water Research</i> , 2021, 194, 116906.	11.3	89
47	Nitrogen removal performance and microbial distribution in pilot- and full-scale integrated fixed-biofilm activated sludge reactors based on nitritation-anammox process. <i>Bioresource Technology</i> , 2015, 196, 448-453.	9.6	87
48	Pharmacokinetics and drug delivery systems for puerarin, a bioactive flavone from traditional Chinese medicine. <i>Drug Delivery</i> , 2019, 26, 860-869.	5.7	86
49	Fluid immiscibility and gold deposition in the Xincheng deposit, Jiaodong Peninsula, China: A fluid inclusion study. <i>Ore Geology Reviews</i> , 2015, 65, 701-717.	2.7	85
50	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
51	A novel approach to realize SANI process in freshwater sewage treatment – Use of wet flue gas desulfurization waste streams as sulfur source. <i>Water Research</i> , 2013, 47, 5773-5782.	11.3	80
52	A review on atomistic simulation of grain boundary behaviors in face-centered cubic metals. <i>Computational Materials Science</i> , 2016, 118, 180-191.	3.0	78
53	Tyr26 phosphorylation of PGAM1 provides a metabolic advantage to tumours by stabilizing the active conformation. <i>Nature Communications</i> , 2013, 4, 1790.	12.8	75
54	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. <i>Nature Communications</i> , 2018, 9, 5052.	12.8	75

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55	Achieve efficient nitrogen removal from real sewage in a plug-flow integrated fixed-film activated sludge (IFAS) reactor via partial nitrification/anammox pathway. <i>Bioresource Technology</i> , 2017, 239, 294-301.	9.6	73
56	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
57	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
58	Discovery of oscillations above 200 eV in a black hole X-ray binary with Insight-HXMT. <i>Nature Astronomy</i> , 2021, 5, 94-102.	10.1	71
59	Removal of the pesticides imazalil and tebuconazole in saturated constructed wetland mesocosms. <i>Water Research</i> , 2016, 91, 126-136.	11.3	70
60	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
61	Effect of low COD/N ratios on stability of single-stage partial nitrification/anammox (SPN/A) process in a long-term operation. <i>Bioresource Technology</i> , 2017, 244, 192-197.	9.6	66
62	Structural Basis for Catalytic and Inhibitory Mechanisms of β -Hydroxyacyl-acyl Carrier Protein Dehydratase (FabZ). <i>Journal of Biological Chemistry</i> , 2008, 283, 5370-5379.	3.4	65
63	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
64	At the intersection of exocytosis and endocytosis in plants. <i>New Phytologist</i> , 2019, 224, 1479-1489.	7.3	63
65	Duplex interrogation by a direct DNA repair protein in search of base damage. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 671-676.	8.2	62
66	Suspended sludge and biofilm shaped different anammox communities in two pilot-scale one-stage anammox reactors. <i>Bioresource Technology</i> , 2016, 211, 273-279.	9.6	62
67	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
68	Enhanced nitrogen removal assisted by mainstream partial-anammox from real sewage in a continuous flow A2/O reactor. <i>Chemical Engineering Journal</i> , 2020, 400, 125893.	12.7	61
69	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
70	Inverse Hall-Petch relationship of high-entropy alloy by atomistic simulation. <i>Materials Letters</i> , 2020, 274, 128024.	2.6	60
71	Atomistic Simulation of Tensile Deformation Behavior of $\sim 5^\circ$ Tilt Grain Boundaries in Copper Bicrystal. <i>Scientific Reports</i> , 2014, 4, 5919.	3.3	59
72	Feasibility of in situ enriching anammox bacteria in a sequencing batch biofilm reactor (SBBR) for enhancing nitrogen removal of real domestic wastewater. <i>Chemical Engineering Journal</i> , 2018, 352, 847-854.	12.7	59

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73	Overcoming erlotinib resistance in EGFR mutation-positive lung adenocarcinomas through repression of phosphoglycerate dehydrogenase. <i>Theranostics</i> , 2018, 8, 1808-1823.	10.0	57
74	A TET Homologue Protein from <i>Coprinopsis cinerea</i> (CcTET) That Biochemically Converts 5-Methylcytosine to 5-Hydroxymethylcytosine, 5-Formylcytosine, and 5-Carboxylcytosine. <i>Journal of the American Chemical Society</i> , 2014, 136, 4801-4804.	13.7	56
75	Integrated fixed-biofilm activated sludge reactor as a powerful tool to enrich anammox biofilm and granular sludge. <i>Chemosphere</i> , 2015, 140, 114-118.	8.2	56
76	Full-scale partial nitritation/anammox (PN/A) process for treating sludge dewatering liquor from anaerobic digestion after thermal hydrolysis. <i>Bioresource Technology</i> , 2020, 297, 122380.	9.6	56
77	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
78	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
79	Secretion of Phospholipase D \hat{I} Functions as a Regulatory Mechanism in Plant Innate Immunity. <i>Plant Cell</i> , 2019, 31, 3015-3032.	6.6	55
80	Improving Efficiency and Stability of Anammox through Sequentially Coupling Nitritation and Denitrification in a Single-Stage Bioreactor. <i>Environmental Science & Technology</i> , 2020, 54, 10859-10867.	10.0	55
81	Advanced nitrogen removal from municipal wastewater via two-stage partial nitrification-simultaneous anammox and denitrification (PN-SAD) process. <i>Bioresource Technology</i> , 2020, 304, 122955.	9.6	54
82	Enhanced nutrients removal from municipal wastewater through biological phosphorus removal followed by partial nitritation/anammox. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	53
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	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
86	Enhancing sewage nitrogen removal via anammox and endogenous denitrification: Significance of anaerobic/oxic/anoxic operation mode. <i>Bioresource Technology</i> , 2019, 289, 121665.	9.6	51
87	Crystal structure of the RNA demethylase ALKBH5 from zebrafish. <i>FEBS Letters</i> , 2014, 588, 892-898.	2.8	50
88	The shear response of copper bicrystals with $\hat{1}11$ symmetric and asymmetric tilt grain boundaries by molecular dynamics simulation. <i>Nanoscale</i> , 2015, 7, 7224-7233.	5.6	50
89	Restoration of real sewage partial nitritation-anammox process from nitrate accumulation using free nitrous acid treatment. <i>Bioresource Technology</i> , 2018, 251, 341-349.	9.6	50
90	3-D Drone-Base-Station Placement With In-Band Full-Duplex Communications. <i>IEEE Communications Letters</i> , 2018, 22, 1902-1905.	4.1	49

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91	NOB suppression in partial nitrification-anammox (PNA) process by discharging aged flocs: Performance and microbial community dynamics. <i>Chemosphere</i> , 2019, 227, 26-33.	8.2	49
92	In situ enrichment of anammox bacteria in anoxic biofilms are possible due to the stable and long-term accumulation of nitrite during denitrification. <i>Bioresource Technology</i> , 2020, 300, 122668.	9.6	49
93	Carrier type induces anammox biofilm structure and the nitrogen removal pathway: Demonstration in a full-scale partial nitrification/anammox process. <i>Bioresource Technology</i> , 2021, 334, 125249.	9.6	49
94	Tet-mediated covalent labelling of 5-methylcytosine for its genome-wide detection and sequencing. <i>Nature Communications</i> , 2013, 4, 1517.	12.8	48
95	Combined process of biofiltration and ozone oxidation as an advanced treatment process for wastewater reuse. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 1076-1083.	6.0	48
96	Ibuprofen and iohexol removal in saturated constructed wetland mesocosms. <i>Ecological Engineering</i> , 2017, 98, 394-402.	3.6	48
97	Space-to-Ground Quantum Key Distribution Using a Small-Sized Payload on Tiangong-2 Space Lab. <i>Chinese Physics Letters</i> , 2017, 34, 090302.	3.3	48
98	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
99	Advanced nitrogen removal of low C/N ratio sewage in an anaerobic/aerobic/anoxic process through enhanced post-endogenous denitrification. <i>Chemosphere</i> , 2020, 252, 126624.	8.2	48
100	In Situ X-ray Absorption Fine Structure Studies on the Effect of pH on Pt Electronic Density during Aqueous Phase Reforming of Glycerol. <i>ACS Catalysis</i> , 2012, 2, 2387-2394.	11.2	47
101	Enhanced nitrogen removal from nitrate-rich mature leachate via partial denitrification (PD)-anammox under real-time control. <i>Bioresource Technology</i> , 2019, 289, 121615.	9.6	47
102	Enhancing the digestion of waste activated sludge through nitrite addition: insight on mechanism through profiles of extracellular polymeric substances (EPS) and microbial communities. <i>Journal of Hazardous Materials</i> , 2019, 369, 164-170.	12.4	47
103	Discovering Potent Inhibitors Against the β -Hydroxyacyl-Acyl Carrier Protein Dehydratase (FabZ) of <i>Helicobacter pylori</i> : Structure-Based Design, Synthesis, Bioassay, and Crystal Structure Determination. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2465-2481.	6.4	46
104	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
105	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
106	Enhanced biological nutrient removal in a simultaneous fermentation, denitrification and phosphate removal reactor using primary sludge as internal carbon source. <i>Chemosphere</i> , 2013, 91, 635-640.	8.2	45
107	Enhanced removal of pharmaceuticals in a biofilter: Effects of manipulating co-degradation by carbon feeding. <i>Chemosphere</i> , 2019, 236, 124303.	8.2	45
108	Autotrophic nitrogen removal in an integrated fixed-biofilm activated sludge (IFAS) reactor: Anammox bacteria enriched in the flocs have been overlooked. <i>Bioresource Technology</i> , 2019, 288, 121512.	9.6	45

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109	A continuous-flow combined process based on partial nitrification-Anammox and partial denitrification-Anammox (PN/A ⁺ APD/A) for enhanced nitrogen removal from mature landfill leachate. <i>Bioresource Technology</i> , 2020, 297, 122483.	9.6	44
110	Rapid achieving partial nitrification in domestic wastewater: Controlling aeration time to selectively enrich ammonium oxidizing bacteria (AOB) after simultaneously eliminating AOB and nitrite oxidizing bacteria (NOB). <i>Bioresource Technology</i> , 2021, 328, 124810.	9.6	44
111	Spectrum-efficient anycast in elastic optical inter-datacenter networks. <i>Optical Switching and Networking</i> , 2014, 14, 250-259.	2.0	43
112	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
113	Observation of dynamical phase transitions in a topological nanomechanical system. <i>Physical Review B</i> , 2019, 100, .	3.2	43
114	Malonyl-CoA: acyl carrier protein transacylase from <i>Helicobacter pylori</i> : Crystal structure and its interaction with acyl carrier protein. <i>Protein Science</i> , 2007, 16, 1184-1192.	7.6	42
115	Residues Asp164 and Glu165 at the substrate entryway function potentially in substrate orientation of alanine racemase from <i>E. coli</i> : Enzymatic characterization with crystal structure analysis. <i>Protein Science</i> , 2008, 17, 1066-1076.	7.6	42
116	Natural product juglone targets three key enzymes from <i>Helicobacter pylori</i> : inhibition assay with crystal structure characterization. <i>Acta Pharmacologica Sinica</i> , 2008, 29, 870-876.	6.1	42
117	Energy-Efficient Translucent Optical Transport Networks With Mixed Regenerator Placement. <i>Journal of Lightwave Technology</i> , 2012, 30, 3147-3156.	4.6	42
118	Brittle versus ductile behaviour of nanotwinned copper: A molecular dynamics study. <i>Acta Materialia</i> , 2015, 89, 1-13.	7.9	42
119	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
120	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
121	Simultaneous partial nitrification and denitrification coupled with polished anammox for advanced nitrogen removal from low C/N domestic wastewater at low dissolved oxygen conditions. <i>Bioresource Technology</i> , 2020, 305, 123045.	9.6	42
122	Ultrasound sensing based on an in-fiber dual-cavity Fabry-Perot interferometer. <i>Optics Letters</i> , 2019, 44, 3606.	3.3	42
123	Anodic current distribution in a liter-scale microbial fuel cell with electrode arrays. <i>Chemical Engineering Journal</i> , 2013, 223, 623-631.	12.7	41
124	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
125	Dynamic interaction between grain boundary and stacking fault tetrahedron. <i>Scripta Materialia</i> , 2018, 144, 78-83.	5.2	41
126	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

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127	Nitrite accumulation in comammox-dominated nitrification-denitrification reactors: Effects of DO concentration and hydroxylamine addition. <i>Journal of Hazardous Materials</i> , 2020, 384, 121375.	12.4	41
128	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
129	Physiological and transcriptome analysis of He-Ne laser pretreated wheat seedlings in response to drought stress. <i>Scientific Reports</i> , 2017, 7, 6108.	3.3	40
130	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
131	Rapid initiation and stable maintenance of municipal wastewater nitrification during the continuous flow anaerobic/oxic process with an ultra-low sludge retention time. <i>Water Research</i> , 2021, 197, 117091.	11.3	40
132	Optimizing the Operation Cost for UAV-Aided Mobile Edge Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 6085-6093.	6.3	40
133	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
134	<i>Staphylococcus aureus</i> CymR Is a New Thiol-based Oxidation-sensing Regulator of Stress Resistance and Oxidative Response. <i>Journal of Biological Chemistry</i> , 2012, 287, 21102-21109.	3.4	38
135	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
136	Low-velocity impact, resonance, and frequency responses of FG-GPLRC viscoelastic doubly curved panel. <i>Composite Structures</i> , 2021, 269, 114000.	5.8	38
137	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
138	Effects of alkali types on waste activated sludge (WAS) fermentation and microbial communities. <i>Chemosphere</i> , 2017, 186, 864-872.	8.2	35
139	Stable partial nitrification of domestic sewage achieved through activated sludge on exposure to nitrite. <i>Bioresource Technology</i> , 2019, 278, 435-439.	9.6	35
140	Influence of heater thermal capacity on bubble dynamics and heat transfer in nucleate pool boiling. <i>Applied Thermal Engineering</i> , 2015, 88, 118-126.	6.0	34
141	Effects of brush lengths and fiber loadings on the performance of microbial fuel cells using graphite fiber brush anodes. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15646-15652.	7.1	33
142	Determine the operational boundary of a pilot-scale single-stage partial nitrification/anammox system with granular sludge. <i>Water Science and Technology</i> , 2016, 73, 2085-2092.	2.5	33
143	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
144	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

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145	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
146	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
147	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
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