

Liang Zhang

List of Publications by Year in descending order

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319
papers

19,576
citations

19657

61
h-index

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321
all docs

321
docs citations

321
times ranked

19685
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	Research on a real-time polarization compensation method for dynamic quantum communication terminals. <i>Optics and Lasers in Engineering</i> , 2022, 149, 106794.	3.8	3
6	Applicability of two-stage anoxic/oxic shortcut nitrogen removal via partial nitrification and partial denitrification for municipal wastewater by adding sludge fermentation products continuously. <i>Chemosphere</i> , 2022, 287, 132053.	8.2	16
7	High-Throughput-Methyl-Reading (HTMR) assay: a solution based on nucleotide methyl-binding proteins enables large-scale screening for DNA/RNA methyltransferases and demethylases. <i>Nucleic Acids Research</i> , 2022, 50, e9-e9.	14.5	12
8	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
9	Structural basis for the substrate recognition mechanism of ATP-sulfurylase domain of human PAPS synthase 2. <i>Biochemical and Biophysical Research Communications</i> , 2022, 586, 1-7.	2.1	6
10	Frequency-stabilized Brillouin random fiber laser enabled by self-inscribed transient population grating. <i>Optics Letters</i> , 2022, 47, 150.	3.3	13
11	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
12	Nigerin and ochracenes Jâˆ“L, new sesquiterpenoids from the marine sponge symbiotic fungus <i>Aspergillus niger</i> . <i>Tetrahedron</i> , 2022, 104, 132599.	1.9	3
13	Insight into the characteristics of microbial communities in a single-stage anammox reactor under different oxygen conditions. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 419-428.	2.4	1
14	Extremely acidic condition (pH<1.0) as a novel strategy to achieve high-efficient hydrogen sulfide removal in biotrickling filter: Biomass accumulation, sulfur oxidation pathway and microbial analysis. <i>Chemosphere</i> , 2022, 294, 133770.	8.2	6
15	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
16	An Innovative Process for Mature Landfill Leachate and Waste Activated Sludge Simultaneous Treatment Based on Partial Nitrification, In Situ Fermentation, and Anammox (PNFA). <i>Environmental Science & Technology</i> , 2022, 56, 1310-1320.	10.0	24
17	The evolution of the corona in MAXIâˆ“1535âˆ“571 through type-C quasi-periodic oscillations with <i>i>Insight</i>-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i>, 2022, 512, 2686-2696.</i>	4.4	25
18	Pharmacological Effects, Pharmacokinetics, and Strategies to Reduce Brucine Toxicity. <i>Revista Brasileira De Farmacognosia</i> , 2022, 32, 39-49.	1.4	1

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19	Development of Active Microvibration Isolation System for Precision Space Payload. Applied Sciences (Switzerland), 2022, 12, 4548.	2.5	7
20	The evolving properties of the corona of GRS 1915+105: a spectral-timing perspective through variable-Comptonization modelling. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4196-4207.	4.4	28
21	A fungal dioxygenase CcTet serves as a eukaryotic 6mA demethylase on duplex DNA. Nature Chemical Biology, 2022, 18, 733-741.	8.0	13
22	Variability and phase lags of the type-C quasi-periodic oscillation of MAXI J1348+630 with NICER. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2839-2854.	4.4	14
23	Segregation of effect between granules and flocs in PN/A system treating acrylic fiber wastewater: Performance and mechanism. Chemosphere, 2022, 304, 135344.	8.2	1
24	Determination of QPO properties in the presence of strong broad-band noise: a case study on the data of MAXI J1820+070. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1914-1926.	4.4	5
25	Sludge fermentation liquid addition attained advanced nitrogen removal in low C/N ratio municipal wastewater through short-cut nitrification-denitrification and partial anammox. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	28
26	Minimizing mass transfer losses in microbial fuel cells: Theories, progresses and prospectives. Renewable and Sustainable Energy Reviews, 2021, 136, 110460.	16.4	28
27	An integrated space-to-ground quantum communication network over 4,600 kilometres. Nature, 2021, 589, 214-219.	27.8	415
28	Top-N recommendation algorithm integrated neural network. Neural Computing and Applications, 2021, 33, 3881-3889.	5.6	5
29	Discovery of oscillations above 200 keV in a black hole X-ray binary with Insight-HXMT. Nature Astronomy, 2021, 5, 94-102.	10.1	71
30	Start-up of PN-anammox system under low inoculation quantity and its restoration after low-loading rate shock. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	21
31	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
32	Real-Time and High-Speed Underwater Photon-Counting Communication Based on SPAD and PPM Symbol Synchronization. IEEE Photonics Journal, 2021, 13, 1-9.	2.0	8
33	Dynamic vortex mode-switchable erbium-doped Brillouin laser pumped by high-order mode. Optics Letters, 2021, 46, 468.	3.3	10
34	The combined effects of biomass and temperature on maximum specific ammonia oxidation rate in domestic wastewater treatment. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	5
35	A High-Speed and High-Sensitivity Photon-Counting Communication System Based on Multichannel SPAD Detection. IEEE Photonics Journal, 2021, 13, 1-10.	2.0	5
36	Underwater acoustic source localization based on phase-sensitive optical time domain reflectometry. Optics Express, 2021, 29, 12880.	3.4	15

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37	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
38	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
39	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
40	Rapid initiation and stable maintenance of municipal wastewater nitritation during the continuous flow anaerobic/oxic process with an ultra-low sludge retention time. <i>Water Research</i> , 2021, 197, 117091.	11.3	40
41	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
42	Influence of Temperature on All-Silica Fabry-Pérot Pressure Sensor. <i>IEEE Photonics Journal</i> , 2021, 13, 1-9.	2.0	3
43	Review on Fiber-Optic Vortices and Their Sensing Applications. <i>Journal of Lightwave Technology</i> , 2021, 39, 3740-3750.	4.6	25
44	Optimizing the Operation Cost for UAV-Aided Mobile Edge Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 6085-6093.	6.3	40
45	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
46	Compound Fabry-Pérot interferometer for simultaneous high-pressure and high-temperature measurement. <i>Optics Express</i> , 2021, 29, 24289.	3.4	6
47	Subduction: The recycling engine room for global metallogeny. <i>Ore Geology Reviews</i> , 2021, 134, 104130.	2.7	21
48	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
49	Active learning strategy for high fidelity short-term data-driven building energy forecasting. <i>Energy and Buildings</i> , 2021, 244, 111026.	6.7	24
50	Low-velocity impact, resonance, and frequency responses of FG-GPLRC viscoelastic doubly curved panel. <i>Composite Structures</i> , 2021, 269, 114000.	5.8	38
51	Carrier type induces anammox biofilm structure and the nitrogen removal pathway: Demonstration in a full-scale partial nitritation/anammox process. <i>Bioresource Technology</i> , 2021, 334, 125249.	9.6	49
52	Structural basis for diguanylate cyclase activation by its binding partner in <i>Pseudomonas aeruginosa</i> . <i>ELife</i> , 2021, 10, .	6.0	8
53	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
54	Preparation, characterization, and anti-colon cancer activity of oridonin-loaded long-circulating liposomes. <i>Pharmaceutical Development and Technology</i> , 2021, 26, 1073-1078.	2.4	6

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55	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
56	Laser Charging Enabled DBS Placement for Downlink Communications. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 3009-3018.	6.4	9
57	Understanding the Radiation Resistance Mechanisms of Nanocrystalline Metals from Atomistic Simulation. <i>Metals</i> , 2021, 11, 1875.	2.3	3
58	<i>Helicobacter pylori</i> FabX contains a [4Fe-4S] cluster essential for unsaturated fatty acid synthesis. <i>Nature Communications</i> , 2021, 12, 6932.	12.8	6
59	Bioinformatic comparison of Kunitz protease inhibitors in <i>Echinococcus granulosus sensu stricto</i> and <i>E. multilocularis</i> and the genes expressed in different developmental stages of <i>E. granulosus</i> . <i>BMC Genomics</i> , 2021, 22, 907.	2.8	2
60	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
61	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
62	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
63	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
64	Flexible backhaul-aware DBS-aided HetNet with IBFD communications. <i>ICT Express</i> , 2020, 6, 48-56.	4.8	7
65	Unveiling the role of activated carbon on hydrolysis process in anaerobic digestion. <i>Bioresource Technology</i> , 2020, 296, 122366.	9.6	28
66	Full-scale partial nitrification/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
67	Antioxidant assessment of wastewater-cultivated <i>Chlorella sorokiniana</i> in <i>Drosophila melanogaster</i> . <i>Algal Research</i> , 2020, 46, 101795.	4.6	7
68	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
69	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
70	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
71	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
72	Simultaneous methanethiol and dimethyl sulfide removal in a single-stage biotrickling filter packed with polyurethane foam: Performance, parameters and microbial community analysis. <i>Chemosphere</i> , 2020, 244, 125460.	8.2	19

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73	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
74	Solar fuel production from CO ₂ reduction in a self-biased hybrid solar-microbial device. <i>Applied Energy</i> , 2020, 279, 115821.	10.1	4
75	Research perspectives on paddy field systems: ecological functions and environmental impacts. <i>International Journal of Agricultural Sustainability</i> , 2020, 18, 505-520.	3.5	12
76	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
77	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
78	Image Recommendation Algorithm Based on Deep Learning. <i>IEEE Access</i> , 2020, 8, 132799-132807.	4.2	15
79	A Simple Scale-Invariant Two-Sample Test for High-dimensional Data. <i>Econometrics and Statistics</i> , 2020, 14, 131-144.	0.8	5
80	Effect of endogenous metabolisms on survival and activities of denitrifying phosphorus removal sludge under various starvation conditions. <i>Bioresource Technology</i> , 2020, 315, 123839.	9.6	25
81	Realization of programmable nanomechanical lattice with both nearest-neighboring and next-nearest-neighboring couplings. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
82	A Pattern-Recognition-Based Ensemble Data Imputation Framework for Sensors from Building Energy Systems. <i>Sensors</i> , 2020, 20, 5947.	3.8	7
83	Identification of type 2 diabetes loci in 433,540 East Asian individuals. <i>Nature</i> , 2020, 582, 240-245.	27.8	282
84	Perfect coherent transfer in an on-chip reconfigurable nanoelectromechanical network. <i>Physical Review B</i> , 2020, 101, .	3.2	14
85	Performance analysis optimization and experimental verification of a photon-counting communication system based on non-photon-number-resolution detectors. <i>Optics Communications</i> , 2020, 468, 125771.	2.1	8
86	Enhancing the nitrogen removal of anammox by treating municipal wastewater with sludge fermentation products in a continuous flow reactor. <i>Bioresource Technology</i> , 2020, 310, 123468.	9.6	16
87	Enhanced nitrogen removal assisted by mainstream partial-anammox from real sewage in a continuous flow A ₂ /O reactor. <i>Chemical Engineering Journal</i> , 2020, 400, 125893.	12.7	61
88	Entanglement-based secure quantum cryptography over 1,120 kilometres. <i>Nature</i> , 2020, 582, 501-505.	27.8	350
89	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at 120 ± 2 Ma During Cooling of Pregold Granite Intrusions. <i>Economic Geology</i> , 2020, 115, 415-441.	3.8	110
90	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

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91	Latency-Aware IoT Service Provisioning in UAV-Aided Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2020, 7, 10573-10580.	8.7	93
92	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
93	Theoretical and Experimental Study on the Transmission Loss of a Side Outlet Muffler. Shock and Vibration, 2020, 2020, 1-8.	0.6	8
94	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
95	3D Printing Technique-Improved Phase-Sensitive OTDR for Breakdown Discharge Detection of Gas-Insulated Switchgear. Sensors, 2020, 20, 1045.	3.8	16
96	Simultaneous partial nitrification and denitrification coupled with polished anammox for advanced nitrogen removal from low C/N domestic wastewater at low dissolved oxygen conditions. Bioresource Technology, 2020, 305, 123045.	9.6	42
97	Advanced nitrogen removal from municipal wastewater via two-stage partial nitrification-simultaneous anammox and denitrification (PN-SAD) process. Bioresource Technology, 2020, 304, 122955.	9.6	54
98	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
99	Channel model and performance analysis of long-range deep sea wireless photon-counting communication. Optics Communications, 2020, 473, 125989.	2.1	7
100	Advanced nitrogen removal of low C/N ratio sewage in an anaerobic/aerobic/anoxic process through enhanced post-endogenous denitrification. Chemosphere, 2020, 252, 126624.	8.2	48
101	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
102	Inverse Hall-Petch relationship of high-entropy alloy by atomistic simulation. Materials Letters, 2020, 274, 128024.	2.6	60
103	Design and in-orbit test of a high accuracy pointing method in satellite-to-ground quantum communication. Optics Express, 2020, 28, 8291.	3.4	13
104	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
105	Polarization-maintaining design for satellite-based quantum communication terminals. Optics Express, 2020, 28, 10746.	3.4	10
106	Advances on Mechanism and Drug Discovery of Type-II Fatty Acid Biosynthesis Pathway. Acta Chimica Sinica, 2020, 78, 1383.	1.4	2
107	Enhanced PAPSS2/VCAN sulfation axis is essential for Snail-mediated breast cancer cell migration and metastasis. Cell Death and Differentiation, 2019, 26, 565-579.	11.2	91
108	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

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109	Observation of dynamical phase transitions in a topological nanomechanical system. <i>Physical Review B</i> , 2019, 100, .	3.2	43
110	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
111	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
112	Simultaneous removal of hydrogen sulfide and volatile organic sulfur compounds in off-gas mixture from a wastewater treatment plant using a two-stage bio-trickling filter system. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	20
113	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
114	Enhanced removal of pharmaceuticals in a biofilter: Effects of manipulating co-degradation by carbon feeding. <i>Chemosphere</i> , 2019, 236, 124303.	8.2	45
115	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
116	Manipulation of a Micro-Object Using Topological Hydrodynamic Tweezers. <i>Physical Review Applied</i> , 2019, 12, .	3.8	3
117	Sensing Matrix Design for MMV Compressive Sensing: An MVDR Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8601-8612.	6.3	5
118	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
119	Dynamic modifications of biomacromolecules: mechanism and chemical interventions. <i>Science China Life Sciences</i> , 2019, 62, 1459-1471.	4.9	14
120	Hydroxylamine addition and real-time aeration control in sewage nitritation system for reduced start-up period and improved process stability. <i>Bioresource Technology</i> , 2019, 294, 122183.	9.6	24
121	Polarity reversal facilitates the development of biocathodes in microbial electrosynthesis systems for biogas production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26226-26236.	7.1	30
122	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
123	At the intersection of exocytosis and endocytosis in plants. <i>New Phytologist</i> , 2019, 224, 1479-1489.	7.3	63
124	Thymine DNA glycosylase recognizes the geometry alteration of minor grooves induced by 5-formylcytosine and 5-carboxylcytosine. <i>Chemical Science</i> , 2019, 10, 7407-7417.	7.4	20
125	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
126	Removal of sulfamethoxazole (SMX) in sulfate-reducing flocculent and granular sludge systems. <i>Bioresource Technology</i> , 2019, 288, 121592.	9.6	30

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127	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
128	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
129	Interaction between nano-voids and migrating grain boundary by molecular dynamics simulation. <i>Acta Materialia</i> , 2019, 173, 206-224.	7.9	52
130	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
131	Nitrification of real sewage: start-up and maintenance by the side-stream heat-shock treatment. <i>Water Science and Technology</i> , 2019, 79, 753-758.	2.5	11
132	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
133	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
134	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> , 2019, 9, 150.	10.0	457
135	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
136	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
137	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
138	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
139	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
140	SoarNet. <i>IEEE Wireless Communications</i> , 2019, 26, 37-43.	9.0	25
141	Secretion of Phospholipase D α Functions as a Regulatory Mechanism in Plant Innate Immunity. <i>Plant Cell</i> , 2019, 31, 3015-3032.	6.6	55
142	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
143	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
144	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

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145	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
146	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
147	Spaceborne, low-noise, single-photon detection for satellite-based quantum communications. <i>Optics Express</i> , 2019, 27, 36114.	3.4	18
148	Ultrasound sensing based on an in-fiber dual-cavity Fabry-Perot interferometer. <i>Optics Letters</i> , 2019, 44, 3606.	3.3	42
149	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
150	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
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