

Xiaojun Zhang

List of Publications by Year in descending order

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papers

5,474
citations

117625

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88
docs citations

88
times ranked

8671
citing authors

#	ARTICLE	IF	CITATIONS
1	DOPIV: Post-Quantum Secure Identity-Based Data Outsourcing with Public Integrity Verification in Cloud Storage. IEEE Transactions on Services Computing, 2022, 15, 334-345.	4.6	26
2	Adaptive Magnetic Anomaly Detection Method Using Support Vector Machine. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	14
3	Metrological Traceability of High Polarization Extinction Ratio (PER) Based on Precision Coaxial Rotating Polarization-Maintaining Fiber. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	1
4	Attitude Magnetic Measurement Compensation Method of Fiber-Optic Submarine Seismometer. IEEE Sensors Journal, 2022, 22, 13023-13029.	4.7	1
5	Magnetic Anomaly Detection Using One-Dimensional Convolutional Neural Network With Multi-Feature Fusion. IEEE Sensors Journal, 2022, 22, 11637-11643.	4.7	17
6	How Has China Structured Its Ecological Governance Policy System?—A Case from Fujian Province. International Journal of Environmental Research and Public Health, 2022, 19, 8627.	2.6	4
7	CIPPPA: Conditional Identity Privacy-Preserving Public Auditing for Cloud-Based WBANs Against Malicious Auditors. IEEE Transactions on Cloud Computing, 2021, 9, 1362-1375.	4.4	56
8	The Public Servants's Response When Facing Pandemic: The Role of Public Service Motivation, Accountability Pressure, and Emergency Response Capacity. Healthcare (Switzerland), 2021, 9, 529.	2.0	2
9	Key-Leakage Resilient Encrypted Data Aggregation With Lightweight Verification in Fog-Assisted Smart Grids. IEEE Internet of Things Journal, 2021, 8, 8234-8245.	8.7	10
10	The Chinese Government's Response to the Pandemic: Measures, Dynamic Changes, and Main Patterns. Healthcare (Switzerland), 2021, 9, 1020.	2.0	5
11	Towards sustainable agriculture: rhizosphere microbiome engineering. Applied Microbiology and Biotechnology, 2021, 105, 7141-7160.	3.6	28
12	Sixteen Genome Sequences of Denitrifying Bacteria Assembled from Enriched Cultures of Anaerobic Pig Manure Digestate. Microbiology Resource Announcements, 2021, 10, e0078221.	0.6	1
13	Willingness to Self-Isolate When Facing a Pandemic Risk: Model, Empirical Test, and Policy Recommendations. International Journal of Environmental Research and Public Health, 2020, 17, 197.	2.6	63
14	Measurement of Far Field Magnetic Moment Vector of a Moving Ferromagnetic Object. IEEE Sensors Journal, 2020, 20, 10903-10912.	4.7	4
15	Cross-Feeding between Members of Thauera spp. and Rhodococcus spp. Drives Quinoline-Denitrifying Degradation in a Hypoxic Bioreactor. MSphere, 2020, 5, .	2.9	3
16	Gradient signals analysis of scalar magnetic anomaly using orthonormal basis functions. Measurement Science and Technology, 2020, 31, 115105.	2.6	8
17	Is Lockdown Bad for Social Anxiety in COVID-19 Regions?: A National Study in The SOR Perspective. International Journal of Environmental Research and Public Health, 2020, 17, 4561.	2.6	98
18	Relationship of flame propagation and combustion mode transition of end-gas based on pressure wave in confined space. Combustion and Flame, 2020, 214, 371-386.	5.2	24

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19	Self-Calibrated Absolute Thickness Measurement of Opaque Specimen Based on Differential White Light Interferometry. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 2507-2514.	4.7	8
20	Endotoxin Producers Overgrowing in Human Gut Microbiota as the Causative Agents for Nonalcoholic Fatty Liver Disease. <i>MBio</i> , 2020, 11, .	4.1	96
21	Distributed Measurement of Polarization Characteristics for a Multifunctional Integrated Optical Chip: A Review. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 1543-1553.	4.7	15
22	Response of treatment performance and microbial community structure to the temporary suspension of an industrial anaerobic bioreactor. <i>Science of the Total Environment</i> , 2019, 646, 229-237.	8.0	22
23	Experimental Study on the Aperture of Geomagnetic Location Arrays. <i>Journal of Sensors</i> , 2019, 2019, 1-12.	1.1	0
24	How Does Paired Assistance to Disaster-Affected Areas (PADAA) Contribute to Economic Sustainability? A Qualitative Analysis of Wenchuan County. <i>Sustainability</i> , 2019, 11, 3915.	3.2	3
25	Non-synchronous Structural and Functional Dynamics During the Coalescence of Two Distinct Soil Bacterial Communities. <i>Frontiers in Microbiology</i> , 2019, 10, 1125.	3.5	13
26	FS-PEKS: Lattice-based Forward Secure Public-key Encryption with Keyword Search for Cloud-assisted Industrial Internet of Things. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019, , 1-1.	5.4	54
27	Rice <i>qGL3/OsPPKL1</i> Functions with the GSK3/SHAGGY-Like Kinase <i>OsGSK3</i> to Modulate Brassinosteroid Signaling. <i>Plant Cell</i> , 2019, 31, 1077-1093.	6.6	106
28	Variability in the Response of Bacterial Community Assembly to Environmental Selection and Biotic Factors Depends on the Immigrated Bacteria, as Revealed by a Soil Microcosm Experiment. <i>MSystems</i> , 2019, 4, .	3.8	4
29	Divergence of Granular Sludges and Microbial Communities in Two Types of Anaerobic Reactors Treating Different Wastewaters. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 633-644.	2.1	3
30	Pollution control and in situ bioremediation for lake aquaculture using an ecological dam. <i>Journal of Cleaner Production</i> , 2018, 172, 2256-2265.	9.3	45
31	An Ultraviolet Absorption TOC Sensor. , 2018, , .		0
32	A Calibration Method for Large Dynamic Range White Light Interferometry Using High-Order Polarization Crosstalk. <i>Journal of Lightwave Technology</i> , 2018, , 1-1.	4.6	5
33	The Advanced Anaerobic Expanded Granular Sludge Bed (AnaEG) Possessed Temporally and Spatially Stable Treatment Performance and Microbial Community in Treating Starch Processing Wastewater. <i>Frontiers in Microbiology</i> , 2018, 9, 589.	3.5	14
34	Sphalerite Rb-Sr Dating and in situ Sulfur Isotope Analysis of the Daliangzi Lead-Zinc Deposit in Sichuan Province, SW China. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 573-586.	3.2	24
35	Rapid Succession of Actively Transcribing Denitrifier Populations in Agricultural Soil During an Anoxic Spell. <i>Frontiers in Microbiology</i> , 2018, 9, 3208.	3.5	12
36	Geochronology, geochemistry, and Sr ⁸⁷ /Nd ¹⁴³ and Pb ²⁰⁷ /Hf isotopes of the Zhunsujihua granitoid intrusions associated with the molybdenum deposit, northern Inner Mongolia, China: implications for petrogenesis and tectonic setting. <i>International Journal of Earth Sciences</i> , 2018, 107, 687-710.	1.8	10

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37	Insecurity of a Public Proof of Cloud Storage from Lattice Assumption. Chinese Journal of Electronics, 2017, 26, 88-92.	1.5	6
38	Change in microbial community in landfill refuse contaminated with antibiotics facilitates denitrification more than the increase in ARG over long-term. Scientific Reports, 2017, 7, 41230.	3.3	34
39	Genomic Microdiversity of <i>Bifidobacterium pseudocatenulatum</i> Underlying Differential Strain-Level Responses to Dietary Carbohydrate Intervention. MBio, 2017, 8, .	4.1	43
40	Linkage between N ₂ O emission and functional gene abundance in an intensively managed calcareous fluvo-aquic soil. Scientific Reports, 2017, 7, 43283.	3.3	54
41	Efficient Integrity Verification Scheme for Medical Data Records in Cloud-Assisted Wireless Medical Sensor Networks. Wireless Personal Communications, 2017, 96, 1819-1833.	2.7	8
42	Time-resolved analysis of a denitrifying bacterial community revealed a core microbiome responsible for the anaerobic degradation of quinoline. Scientific Reports, 2017, 7, 14778.	3.3	20
43	Efficient Public Verification of Data Integrity for Cloud Storage Systems from Indistinguishability Obfuscation. IEEE Transactions on Information Forensics and Security, 2017, 12, 676-688.	6.9	131
44	Research on TOC monitoring technology of ultraviolet absorption. , 2017, , .		0
45	A fast linear algorithm for magnetic dipole localization using total magnetic field gradient. IEEE Sensors Journal, 2017, , 1-1.	4.7	32
46	A Method to Remotely Track a Magnetic Target Using a Scalar Magnetometer Array. Journal of Sensors, 2017, 2017, 1-9.	1.1	5
47	Experimental Study on the Localization of Moving Object by Total Geomagnetic Field. Journal of Sensors, 2017, 2017, 1-7.	1.1	6
48	Back to the Future of Soil Metagenomics. Frontiers in Microbiology, 2016, 7, 73.	3.5	120
49	An efficient method for tracking a magnetic target using scalar magnetometer array. SpringerPlus, 2016, 5, 502.	1.2	7
50	Effect of effluent recirculation rate on the performance of anaerobic bio-filter treating coal gasification wastewater under co-digestion conditions. RSC Advances, 2016, 6, 87926-87934.	3.6	15
51	Accelerated dysbiosis of gut microbiota during aggravation of DSS-induced colitis by a butyrate-producing bacterium. Scientific Reports, 2016, 6, 27572.	3.3	164
52	Diminution of the gut resistome after a gut microbiota-targeted dietary intervention in obese children. Scientific Reports, 2016, 6, 24030.	3.3	33
53	Draft genome of the peanut A-genome progenitor (<i>Arachis duranensis</i>) provides insights into geocarpy, oil biosynthesis, and allergens. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6785-6790.	7.1	235
54	Real-Time Tracking Method for a Magnetic Target Using Total Geomagnetic Field Intensity. Pure and Applied Geophysics, 2016, 173, 2065-2071.	1.9	14

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55	Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats. <i>Scientific Reports</i> , 2015, 5, 14405.	3.3	499
56	Bacteria in the injection water differently impacts the bacterial communities of production wells in high-temperature petroleum reservoirs. <i>Frontiers in Microbiology</i> , 2015, 6, 505.	3.5	19
57	The Bamboo-Eating Giant Panda Harbors a Carnivore-Like Gut Microbiota, with Excessive Seasonal Variations. <i>MBio</i> , 2015, 6, e00022-15.	4.1	282
58	SCLPV: Secure Certificateless Public Verification for Cloud-Based Cyber-Physical-Social Systems Against Malicious Auditors. <i>IEEE Transactions on Computational Social Systems</i> , 2015, 2, 159-170.	4.4	87
59	Novel Mass Bio System (MBS) and its potential application in advanced treatment of coal gasification wastewater. <i>RSC Advances</i> , 2015, 5, 88692-88702.	3.6	25
60	Crude oil degradation by bacterial consortia under four different redox and temperature conditions. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1451-1461.	3.6	14
61	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , 2015, 2, 968-984.	6.1	306
62	Cryptanalysis of an integrity checking scheme for cloud data sharing. <i>Journal of Information Security and Applications</i> , 2015, 23, 68-73.	2.5	11
63	The additive effects of GS3 and qGL3 on rice grain length regulation revealed by genetic and transcriptome comparisons. <i>BMC Plant Biology</i> , 2015, 15, 156.	3.6	32
64	A gut microbiota-targeted dietary intervention for amelioration of chronic inflammation underlying metabolic syndrome. <i>FEMS Microbiology Ecology</i> , 2014, 87, 357-367.	2.7	338
65	The abundance of fecal <i>Faecalibacterium prausnitzii</i> in relation to obesity and gender in Chinese adults. <i>Archives of Microbiology</i> , 2014, 196, 73-77.	2.2	47
66	A fullerene colloidal suspension stimulates the growth and denitrification ability of wastewater treatment sludge-derived bacteria. <i>Chemosphere</i> , 2014, 108, 411-417.	8.2	24
67	The mosaic accessory gene structures of the SXT/R391-like integrative and conjugative elements derived from <i>Vibrio</i> spp. isolated from aquatic products and environment in the Yangtze River estuary, China. <i>BMC Microbiology</i> , 2013, 13, 214.	3.3	44
68	Rare allele of <i>OsPPKL1</i> associated with grain length causes extra-large grain and a significant yield increase in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21534-21539.	7.1	426
69	Fate of invading bacteria in soil and survival of transformants after simulated uptake of transgenes, as evaluated by a model system based on lindane degradation. <i>Research in Microbiology</i> , 2012, 163, 200-210.	2.1	9
70	Performance and bacterial compositions of aged refuse reactors treating mature landfill leachate. <i>Bioresource Technology</i> , 2012, 103, 71-77.	9.6	76
71	Monitoring the microbial community during solid-state acetic acid fermentation of Zhenjiang aromatic vinegar. <i>Food Microbiology</i> , 2011, 28, 1175-1181.	4.2	102
72	Development of a fluorophore-ribosomal DNA restriction typing method for monitoring structural shifts of microbial communities. <i>Archives of Microbiology</i> , 2011, 193, 341-50.	2.2	4

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73	A diverse bacterial community in an anoxic quinoline-degrading bioreactor determined by using pyrosequencing and clone library analysis. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 425-434.	3.6	40
74	Versatile aromatic compound-degrading capacity and microdiversity of <i>Thauera</i> strains isolated from a coking wastewater treatment bioreactor. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 927-934.	3.0	75
75	Decomposition of Bt transgenic rice residues and response of soil microbial community in rapeseed-rice cropping system. <i>Plant and Soil</i> , 2010, 336, 279-290.	3.7	38
76	Interactions between gut microbiota, host genetics and diet relevant to development of metabolic syndromes in mice. <i>ISME Journal</i> , 2010, 4, 232-241.	9.8	845
77	Structural differentiation of bacterial communities in indole-degrading bioreactors under denitrifying and sulfate-reducing conditions. <i>Research in Microbiology</i> , 2010, 161, 687-693.	2.1	44
78	The study of optical fiber ring interference weak magnetic field sensor. , 2010, , .		3
79	New subgroup of Bacteroidetes and diverse microorganisms in Tibetan plateau glacial ice provide a biological record of environmental conditions. <i>FEMS Microbiology Ecology</i> , 2009, 67, 21-29.	2.7	47
80	Development of group-specific PCR-DGGE fingerprinting for monitoring structural changes of <i>Thauera</i> spp. in an industrial wastewater treatment plant responding to operational perturbations. <i>Journal of Microbiological Methods</i> , 2008, 75, 231-236.	1.6	38
81	A Constructed Alkaline Consortium and Its Dynamics in Treating Alkaline Black Liquor with Very High Pollution Load. <i>PLoS ONE</i> , 2008, 3, e3777.	2.5	29
82	Cloning of Environmental Genomic Fragments as Physical Markers for Monitoring Microbial Populations in Coking Wastewater Treatment System. <i>Microbial Ecology</i> , 2007, 53, 163-172.	2.8	11
83	Microorganisms in the Malan ice core and their relation to climatic and environmental changes. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	39
84	<i>Thauera</i> and <i>Azoarcus</i> as functionally important genera in a denitrifying quinoline-removal bioreactor as revealed by microbial community structure comparison. <i>FEMS Microbiology Ecology</i> , 2006, 55, 274-286.	2.7	149
85	Effects of fluctuations in concentration on detonation propagation. <i>Physics of Fluids</i> , 0, , .	4.0	6