

Xiaojun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

5,474
citations

117625

34
h-index

82547

72
g-index

88
all docs

88
docs citations

88
times ranked

8671
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Draft genome of the peanut A-genome progenitor (<i>Arachis duranensis</i>) provides insights into geocarpy, oil biosynthesis, and allergens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6785-6790.	7.1	235
8	Accelerated dysbiosis of gut microbiota during aggravation of DSS-induced colitis by a butyrate-producing bacterium. <i>Scientific Reports</i> , 2016, 6, 27572.	3.3	164
9	<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
10	Efficient Public Verification of Data Integrity for Cloud Storage Systems from Indistinguishability Obfuscation. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 676-688.	6.9	131
11	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , 2016, 7, 73.	3.5	120
12	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
13	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
14	Is Lockdown Bad for Social Anxiety in COVID-19 Regions?: A National Study in The SOR Perspective. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4561.	2.6	98
15	Endotoxin Producers Overgrowing in Human Gut Microbiota as the Causative Agents for Nonalcoholic Fatty Liver Disease. <i>MBio</i> , 2020, 11, .	4.1	96
16	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
17	Performance and bacterial compositions of aged refuse reactors treating mature landfill leachate. <i>Bioresource Technology</i> , 2012, 103, 71-77.	9.6	76
18	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

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19	Willingness to Self-Isolate When Facing a Pandemic Risk: Model, Empirical Test, and Policy Recommendations. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 197.	2.6	63
20	CIPPPA: Conditional Identity Privacy-Preserving Public Auditing for Cloud-Based WBANs Against Malicious Auditors. <i>IEEE Transactions on Cloud Computing</i> , 2021, 9, 1362-1375.	4.4	56
21	Linkage between N2O emission and functional gene abundance in an intensively managed calcareous fluvo-aquic soil. <i>Scientific Reports</i> , 2017, 7, 43283.	3.3	54
22	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
23	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
24	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
25	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
26	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
27	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
28	Genomic Microdiversity of <i>Bifidobacterium pseudocatenulatum</i> Underlying Differential Strain-Level Responses to Dietary Carbohydrate Intervention. <i>MBio</i> , 2017, 8, .	4.1	43
29	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
30	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
31	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
32	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
33	Change in microbial community in landfill refuse contaminated with antibiotics facilitates denitrification more than the increase in ARG over long-term. <i>Scientific Reports</i> , 2017, 7, 41230.	3.3	34
34	Diminution of the gut resistome after a gut microbiota-targeted dietary intervention in obese children. <i>Scientific Reports</i> , 2016, 6, 24030.	3.3	33
35	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
36	A fast linear algorithm for magnetic dipole localization using total magnetic field gradient. <i>IEEE Sensors Journal</i> , 2017, , 1-1.	4.7	32

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37	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
38	Towards sustainable agriculture: rhizosphere microbiome engineering. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7141-7160.	3.6	28
39	DOPIV: Post-Quantum Secure Identity-Based Data Outsourcing with Public Integrity Verification in Cloud Storage. <i>IEEE Transactions on Services Computing</i> , 2022, 15, 334-345.	4.6	26
40	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
41	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
42	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
43	Relationship of flame propagation and combustion mode transition of end-gas based on pressure wave in confined space. <i>Combustion and Flame</i> , 2020, 214, 371-386.	5.2	24
44	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
45	Time-resolved analysis of a denitrifying bacterial community revealed a core microbiome responsible for the anaerobic degradation of quinoline. <i>Scientific Reports</i> , 2017, 7, 14778.	3.3	20
46	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
47	Magnetic Anomaly Detection Using One-Dimensional Convolutional Neural Network With Multi-Feature Fusion. <i>IEEE Sensors Journal</i> , 2022, 22, 11637-11643.	4.7	17
48	Effect of effluent recirculation rate on the performance of anaerobic bio-filter treating coal gasification wastewater under co-digestion conditions. <i>RSC Advances</i> , 2016, 6, 87926-87934.	3.6	15
49	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
50	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
51	Real-Time Tracking Method for a Magnetic Target Using Total Geomagnetic Field Intensity. <i>Pure and Applied Geophysics</i> , 2016, 173, 2065-2071.	1.9	14
52	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
53	Adaptive Magnetic Anomaly Detection Method Using Support Vector Machine. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	14
54	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

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55	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
56	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
57	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
58	Key-Leakage Resilient Encrypted Data Aggregation With Lightweight Verification in Fog-Assisted Smart Grids. <i>IEEE Internet of Things Journal</i> , 2021, 8, 8234-8245.	8.7	10
59	Geochronology, geochemistry, and Sr ⁸⁷ /Nd ¹⁴³ , Pb ²⁰⁶ /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
60	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
61	Efficient Integrity Verification Scheme for Medical Data Records in Cloud-Assisted Wireless Medical Sensor Networks. <i>Wireless Personal Communications</i> , 2017, 96, 1819-1833.	2.7	8
62	Gradient signals analysis of scalar magnetic anomaly using orthonormal basis functions. <i>Measurement Science and Technology</i> , 2020, 31, 115105.	2.6	8
63	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
64	An efficient method for tracking a magnetic target using scalar magnetometer array. <i>SpringerPlus</i> , 2016, 5, 502.	1.2	7
65	Insecurity of a Public Proof of Cloud Storage from Lattice Assumption. <i>Chinese Journal of Electronics</i> , 2017, 26, 88-92.	1.5	6
66	Experimental Study on the Localization of Moving Object by Total Geomagnetic Field. <i>Journal of Sensors</i> , 2017, 2017, 1-7.	1.1	6
67	Effects of fluctuations in concentration on detonation propagation. <i>Physics of Fluids</i> , 0, , .	4.0	6
68	A Method to Remotely Track a Magnetic Target Using a Scalar Magnetometer Array. <i>Journal of Sensors</i> , 2017, 2017, 1-9.	1.1	5
69	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
70	The Chinese Government's Response to the Pandemic: Measures, Dynamic Changes, and Main Patterns. <i>Healthcare (Switzerland)</i> , 2021, 9, 1020.	2.0	5
71	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
72	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

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73	Measurement of Far Field Magnetic Moment Vector of a Moving Ferromagnetic Object. IEEE Sensors Journal, 2020, 20, 10903-10912.	4.7	4
74	How Has China Structured Its Ecological Governance Policy System?â€”A Case from Fujian Province. International Journal of Environmental Research and Public Health, 2022, 19, 8627.	2.6	4
75	The study of optical fiber ring interference weak magnetic field sensor. , 2010, , .		3
76	How Does Paired Assistance to Disaster-Affected Areas (PADAA) Contribute to Economic Sustainability? A Qualitative Analysis of Wenchuan County. Sustainability, 2019, 11, 3915.	3.2	3
77	Cross-Feeding between Members of Thauera spp. and Rhodococcus spp. Drives Quinoline-Denitrifying Degradation in a Hypoxic Bioreactor. MSphere, 2020, 5, .	2.9	3
78	Divergence of Granular Sludges and Microbial Communities in Two Types of Anaerobic Reactors Treating Different Wastewaters. Journal of Microbiology and Biotechnology, 2019, 29, 633-644.	2.1	3
79	The Public Servantsâ€™ Response When Facing Pandemic: The Role of Public Service Motivation, Accountability Pressure, and Emergency Response Capacity. Healthcare (Switzerland), 2021, 9, 529.	2.0	2
80	Sixteen Genome Sequences of Denitrifying Bacteria Assembled from Enriched Cultures of Anaerobic Pig Manure Digestate. Microbiology Resource Announcements, 2021, 10, e0078221.	0.6	1
81	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
82	Attitude Magnetic Measurement Compensation Method of Fiber-Optic Submarine Seismometer. IEEE Sensors Journal, 2022, 22, 13023-13029.	4.7	1
83	Research on TOC monitoring technology of ultraviolet absorption. , 2017, , .		0
84	An Ultraviolet Absorption TOC Sensor. , 2018, , .		0
85	Experimental Study on the Aperture of Geomagnetic Location Arrays. Journal of Sensors, 2019, 2019, 1-12.	1.1	0