

# Xiao-Yang Zhi

## List of Publications by Year in descending order

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59  
papers

2,242  
citations

304602

22  
h-index

233338

45  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2287  
citing authors

#	ARTICLE	IF	CITATIONS
1	An update of the structure and 16S rRNA gene sequence-based definition of higher ranks of the class Actinobacteria, with the proposal of two new suborders and four new families and emended descriptions of the existing higher taxa. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 589-608.	0.8	779
2	Metabolic versatility of small archaea Micrarchaeota and Parvarchaeota. <i>ISME Journal</i> , 2018, 12, 756-775.	4.4	91
3	<i>Haloactinospora alba</i> gen. nov., sp. nov., a halophilic filamentous actinomycete of the family Nocardiopepsaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 2075-2080.	0.8	78
4	Comparative Genomics of the Bacterial Genus <i>Streptococcus</i> Illuminates Evolutionary Implications of Species Groups. <i>PLoS ONE</i> , 2014, 9, e101229.	1.1	76
5	<i>Amycolicococcus subflavus</i> gen. nov., sp. nov., an actinomycete isolated from a saline soil contaminated by crude oil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 638-643.	0.8	68
6	Draft genome sequence of <i>Halomonas lutea</i> strain YIM 91125T (DSM 23508T) isolated from the alkaline Lake Ebinur in Northwest China. <i>Standards in Genomic Sciences</i> , 2015, 10, 1.	1.5	65
7	Diversity and Distribution of Thermophilic Bacteria in Hot Springs of Pakistan. <i>Microbial Ecology</i> , 2017, 74, 116-127.	1.4	64
8	The Futasoline Pathway Played an Important Role in Menaquinone Biosynthesis during Early Prokaryote Evolution. <i>Genome Biology and Evolution</i> , 2014, 6, 149-160.	1.1	59
9	<i>Haloactinopolyspora alba</i> gen. nov., sp. nov., a halophilic filamentous actinomycete isolated from a salt lake, with proposal of Jiangellaceae fam. nov. and Jiangellineae subord. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 194-200.	0.8	50
10	<i>Haloactinobacterium album</i> gen. nov., sp. nov., a halophilic actinobacterium, and proposal of Ruaniaceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2113-2119.	0.8	49
11	<i>Thermobifida halotolerans</i> sp. nov., isolated from a salt mine sample, and emended description of the genus <i>Thermobifida</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1821-1825.	0.8	45
12	Preliminary comparative genomics revealed pathogenic potential and international spread of <i>Staphylococcus argenteus</i> . <i>BMC Genomics</i> , 2017, 18, 808.	1.2	44
13	Prokaryotic systematics in the genomics era. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 21-34.	0.7	41
14	The underlying mechanisms of genetic innovation and speciation in the family Corynebacteriaceae: A phylogenomics approach. <i>Molecular Phylogenetics and Evolution</i> , 2017, 107, 246-255.	1.2	38
15	<i>Arthrobacter deserti</i> sp. nov., isolated from a desert soil sample. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2035-2040.	0.8	34
16	Comparative Genomic Analysis of the Genus <i>Nocardiopepsis</i> Provides New Insights into Its Genetic Mechanisms of Environmental Adaptability. <i>PLoS ONE</i> , 2013, 8, e61528.	1.1	33
17	Genome-based taxonomic classification within the family Thermoactinomycetaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2028-2036.	0.8	33
18	<i>Mycobacterium sediminis</i> sp. nov. and <i>Mycobacterium arabiense</i> sp. nov., two rapidly growing members of the genus <i>Mycobacterium</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4081-4086.	0.8	28

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19	Low Temperature Adaptation Is Not the Opposite Process of High Temperature Adaptation in Terms of Changes in Amino Acid Composition. <i>Genome Biology and Evolution</i> , 2015, 7, 3426-3433.	1.1	27
20	<i>Vallicoccus soli</i> gen. nov., sp. nov., a novel actinobacterium isolated from soil, and description of <i>Vallicoccaceae</i> fam. nov., <i>Motilibacterales</i> ord. nov.. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 2155-2165.	0.7	27
21	A recently evolved diflavin-containing monomeric nitrate reductase is responsible for highly efficient bacterial nitrate assimilation. <i>Journal of Biological Chemistry</i> , 2020, 295, 5051-5066.	1.6	27
22	<i>Egibacter rhizosphaerae</i> gen. nov., sp. nov., an obligately halophilic, facultatively alkaliphilic actinobacterium and proposal of <i>Egibacteraceae</i> fam. nov. and <i>Egibacterales</i> ord. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 283-289.	0.8	27
23	<i>Altererythrobacter lauratis</i> sp. nov. and <i>Altererythrobacter palmitatis</i> sp. nov., isolated from a Tibetan hot spring. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1077-1086.	0.7	25
24	Cloning, expression, and characterization of an alkaline thermostable GH11 xylanase from <i>Thermobifida halotolerans</i> YIM 90462T. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1109-1116.	1.4	24
25	<i>Mesorhizobium sediminum</i> sp. nov., isolated from deep-sea sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4797-4802.	0.8	21
26	<i>Deinococcus saudiensis</i> sp. nov., isolated from desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 5106-5111.	0.8	19
27	<i>Nocardioides thalensis</i> sp. nov., isolated from a desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2848-2852.	0.8	19
28	<i>Oceanobacillus endoradicis</i> sp. nov., an endophytic bacterial species isolated from the root of <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> . <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 957-964.	0.7	17
29	<i>Tepidimonas sediminis</i> sp. nov. and <i>Tepidimonas alkaliphilus</i> sp. nov., two novel moderately thermophilic species isolated from a hot spring. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1023-1031.	0.7	17
30	Characterization of a Novel Nicotine Degradation Gene Cluster <i>ndp</i> in <i>Sphingomonas melonis</i> TY and Its Evolutionary Analysis. <i>Frontiers in Microbiology</i> , 2017, 8, 337.	1.5	16
31	<i>Sphingobacterium soli</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2284-2288.	0.8	16
32	<i>Meiothermus luteus</i> sp. nov., a slightly thermophilic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2910-2914.	0.8	16
33	<i>Aquabacterium tepidiphilum</i> sp. nov., a moderately thermophilic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 337-342.	0.8	16
34	<i>Thermus caldifontis</i> sp. nov., a thermophilic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2868-2872.	0.8	15
35	<i>Phenylobacterium deserti</i> sp. nov., isolated from desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4722-4727.	0.8	15
36	Plasmids Related to the Symbiotic Nitrogen Fixation Are Not Only Cooperated Functionally but Also May Have Evolved over a Time Span in Family <i>Rhizobiaceae</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 2002-2014.	1.1	14

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37	<i>Caldovatus sediminis</i> gen. nov., sp. nov., a moderately thermophilic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4716-4721.	0.8	14
38	Reclassification of <i>Friedmanniella endophytica</i> , <i>Lysinimicrobium sediminis</i> and <i>Lechevalieria rhizosphaerae</i> as <i>Microlunatus kandeliiicorticis</i> nom. nov., <i>Demequina sediminis</i> comb. nov. and <i>Lentzea rhizosphaerae</i> comb. nov., respectively. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3930-3931.	0.8	14
39	New genus-specific primers for the PCR identification of novel isolates of the genus <i>Streptomonospora</i> . <i>FEMS Microbiology Letters</i> , 2006, 263, 48-53.	0.7	13
40	<i>Actinomadura alba</i> sp. nov., isolated from soil in Yunnan, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1735-1739.	0.8	13
41	<i>Anoxybacillus sediminis</i> sp. nov., a novel moderately thermophilic bacterium isolated from a hot spring. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2275-2282.	0.7	13
42	<i>Rhodobacter thermarum</i> sp. nov., a novel phototrophic bacterium isolated from sediment of a hot spring. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 867-875.	0.7	13
43	<i>Abyssicoccus albus</i> gen. nov., sp. nov., a novel member of the family <i>Staphylococcaceae</i> isolated from marine sediment of the Indian Ocean. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1153-1160.	0.7	12
44	<i>Tibeticola sediminis</i> gen. nov., sp. nov., a thermophilic bacterium isolated from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1133-1139.	0.8	11
45	<i>Elioraea thermophila</i> sp. nov., a thermophilic bacterium from hot spring of the class <i>Alphaproteobacteria</i> , emended description of the genus <i>Elioraea</i> and proposal of <i>Elioraeaceae</i> fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1300-1306.	0.8	11
46	<i>Phenylobacterium terrae</i> sp. nov., isolated from a soil sample of Khyber-Pakhtun-Khwa, Pakistan. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1767-1775.	0.7	10
47	Biogeography of <i>Nocardiopsis</i> strains from hypersaline environments of Yunnan and Xinjiang Provinces, western China. <i>Scientific Reports</i> , 2015, 5, 13323.	1.6	9
48	<i>Bailinhaonella thermotolerans</i> gen. nov., sp. nov., a new member of the order <i>Streptosporangiales</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1903-1909.	0.8	9
49	Multiplex specific PCR for identification of the genera <i>Actinopolyspora</i> and <i>Streptomonospora</i> , two groups of strictly halophilic filamentous actinomycetes. <i>Extremophiles</i> , 2007, 11, 543-548.	0.9	8
50	Genome-wide identification, domain architectures and phylogenetic analysis provide new insights into the early evolution of shikimate pathway in prokaryotes. <i>Molecular Phylogenetics and Evolution</i> , 2014, 75, 154-164.	1.2	8
51	Characterization of a neutral recombinant xylanase from <i>Thermoactinospira rubra</i> YIM 77501T. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 429-436.	0.7	8
52	<i>Actinoplanes deserti</i> sp. nov., isolated from a desert soil sample. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2303-2310.	0.7	8
53	<i>Paenibacillus paridis</i> sp. nov., an endophytic bacterial species isolated from the root of <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1940-1946.	0.8	8
54	<i>Hamadaea flava</i> sp. nov., isolated from a soil sample and emended description of the genus <i>Hamadaea</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1818-1822.	0.8	7

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55	<i>Yimella radialis</i> sp. nov., an endophytic actinobacterium isolated from the root of <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4191-4196.	0.8	7
56	Phylogenetic relationships of <i>Nocardiopsis</i> species based on partial <i>gyrB</i> and 16S rRNA gene sequences. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2008, 22, 6-11.	0.3	4
57	<i>Neobacillus paridis</i> sp. nov., an endophyte of <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> . <i>Archives of Microbiology</i> , 2022, 204, 129.	1.0	4
58	<i>Chryseobacterium paridis</i> sp. nov., an endophytic bacterial species isolated from the root of <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> . <i>Archives of Microbiology</i> , 2021, 203, 4777-4783.	1.0	3
59	<i>Janibacter endophyticus</i> sp. nov., an Endophytic Actinobacterium Isolated from the Root of <i>Paris polyphylla</i> Smith var. <i>Yunnanensis</i> . <i>Current Microbiology</i> , 2022, 79, 52.	1.0	2