

Evolution and Ecology of *Actinobacteria* and Their

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evolution and Ecology of <i>Actinobacteria</i> and Their Bioenergy Applications. Annual Review of Microbiology, 2016, 70, 235-254.	2.9	249
3	Recent advances in genetic modification systems for <i>Actinobacteria</i> . Applied Microbiology and Biotechnology, 2017, 101, 2217-2226.	1.7	12
4	SANDPUMA: ensemble predictions of nonribosomal peptide chemistry reveal biosynthetic diversity across <i>Actinobacteria</i> . Bioinformatics, 2017, 33, 3202-3210.	1.8	89
5	Evidence for the presence of a bacterial endosymbiont in the pecan scab pathogen <i>Venturia effusa</i> (basionym: <i>Fusicladium effusum</i>). Journal of Applied Microbiology, 2017, 123, 491-497.	1.4	1
6	In vivo synergistic activity of a CAZyme cassette from <i>Acidothermus cellulolyticus</i> significantly improves the cellulolytic activity of the <i>C. bescii</i> exoproteome. Biotechnology and Bioengineering, 2017, 114, 2474-2480.	1.7	14
7	Research Article Characterization and phylogenetic affiliation of <i>Actinobacteria</i> from tropical soils with potential uses for agro-industrial processes.. Genetics and Molecular Research, 2017, 16, .	0.3	2
8	Biological Significance of Marine <i>Actinobacteria</i> of East Coast of Andhra Pradesh, India. Frontiers in Microbiology, 2017, 8, 1201.	1.5	13
9	Insights on the Effects of Heat Pretreatment, pH, and Calcium Salts on Isolation of Rare <i>Actinobacteria</i> from Karstic Caves. Frontiers in Microbiology, 2017, 8, 1535.	1.5	51
10	Role of GntR Family Regulatory Gene SCO1678 in Gluconate Metabolism in <i>Streptomyces coelicolor</i> M145. BioMed Research International, 2017, 2017, 1-9.	0.9	22
11	From grass to gas: microbiome dynamics of grass biomass acidification under mesophilic and thermophilic temperatures. Biotechnology for Biofuels, 2017, 10, 171.	6.2	43
12	Interpreting Microbial Biosynthesis in the Genomic Age: Biological and Practical Considerations. Marine Drugs, 2017, 15, 165.	2.2	21
13	Dust-associated microbiomes from dryland wheat fields differ with tillage practice and biosolids application. Atmospheric Environment, 2018, 185, 29-40.	1.9	5
14	Differences in microbial community structure and nitrogen cycling in natural and drained tropical peatland soils. Scientific Reports, 2018, 8, 4742.	1.6	70
15	Biosynthetic energy cost of potentially highly expressed proteins vary with niche in selected <i>actinobacteria</i> . Journal of Basic Microbiology, 2018, 58, 154-161.	1.8	6
16	Soil bacterial community responses to black medic cover crop and fertilizer N under no-till. Applied Soil Ecology, 2018, 124, 95-103.	2.1	30
17	The Mycobacterial Cell Envelope: A Relict From the Past or the Result of Recent Evolution?. Frontiers in Microbiology, 2018, 9, 2341.	1.5	54
18	Factors shaping the gut bacterial community assembly in two main Colombian malaria vectors. Microbiome, 2018, 6, 148.	4.9	91
19	The copper-deprivation stimolon of <i>Corynebacterium glutamicum</i> comprises proteins for biogenesis of the actinobacterial cytochrome bc1aa3 supercomplex. Journal of Biological Chemistry, 2018, 293, 15628-15640.	1.6	18

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20	Chitinolytic functions in actinobacteria: ecology, enzymes, and evolution. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7219-7230.	1.7	88
21	Draft Genome Sequences of Two Novel Cellulolytic <i>Streptomyces</i> Strains Isolated from South African Rhizosphere Soil. <i>Genome Announcements</i> , 2018, 6, .	0.8	8
22	Linking Uncultivated Microbial Populations and Benthic Carbon Turnover by Using Quantitative Stable Isotope Probing. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	37
23	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. <i>Bioresource Technology</i> , 2018, 268, 514-522.	4.8	38
24	Biocontrol Potential and Applications of Actinobacteria in Agriculture. , 2018, , 93-108.		7
25	Bioactive Compounds Produced by Biocontrol Agents Driving Plant Health. , 2019, , 337-374.		10
26	Effects of sepiolite and biochar on microbial diversity in acid red soil from southern China. <i>Chemistry and Ecology</i> , 2019, 35, 846-860.	0.6	11
27	<i>Streptomyces griseocarneus</i> R132 controls phytopathogens and promotes growth of pepper (<i>Capsicum</i>) Tj ETQq1 1.4 0.784314 rgBT /Dv	1.4	29
28	Litter traits and rainfall reduction alter microbial litter decomposers: the evidence from three Mediterranean forests. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	8
29	Solid phase microextraction as a powerful alternative for screening of secondary metabolites in actinomycetes. <i>Journal of Mass Spectrometry</i> , 2019, 54, 823-833.	0.7	3
30	Endophytic Actinomycetes as Potential Producers of Hemicellulases and Related Enzymes for Plant Biomass Degradation. <i>Brazilian Archives of Biology and Technology</i> , 2019, 62, .	0.5	11
31	Whole Cell Actinobacteria as Biocatalysts. <i>Frontiers in Microbiology</i> , 2019, 10, 77.	1.5	30
32	The antimicrobial potential of <i>Streptomyces</i> from insect microbiomes. <i>Nature Communications</i> , 2019, 10, 516.	5.8	222
33	â€œDelineating bacterial community structure of rhizosphere metagenome from Kansal Forestâ€. <i>Ecological Genetics and Genomics</i> , 2019, 12, 100044.	0.3	1
34	Modeling improved production of the chemotherapeutic polypeptide actinomycin D by a novel <i>Streptomyces</i> sp. strain from a Saharan soil. <i>Heliyon</i> , 2019, 5, e01695.	1.4	14
35	Soil amendments with ethylene precursor alleviate negative impacts of salinity on soil microbial properties and productivity. <i>Scientific Reports</i> , 2019, 9, 6892.	1.6	32
36	Comparative Metagenomics Reveals Enhanced Nutrient Cycling Potential after 2 Years of Biochar Amendment in a Tropical Oxisol. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	11
37	Microbes as Bio-Resource for Sustainable Production of Biofuels and Other Bioenergy Products. , 2019, , 205-222.		13

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38	Editorial: Actinobacteria, a Source of Biocatalytic Tools. <i>Frontiers in Microbiology</i> , 2019, 10, 800.	1.5	9
39	Research Article Isolation, diversity, and biotechnological potential of maize (<i>Zea mays</i>) grains bacteria. <i>Genetics and Molecular Research</i> , 2019, 18, .	0.3	2
40	Altered soil microbial community composition and function in two shrub-encroached marshes with different physicochemical gradients. <i>Soil Biology and Biochemistry</i> , 2019, 130, 122-131.	4.2	28
41	Effects of elevated ground-level ozone on paddy soil bacterial community and assembly mechanisms across four years. <i>Science of the Total Environment</i> , 2019, 654, 505-513.	3.9	25
42	A Study on actinobacterial diversity of Hampoeil cave and screening of their biological activities. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1587-1595.	1.8	23
43	Complete genome sequence of <i>Euzеbyа</i> sp. DY32-46, a marine Actinobacteria isolated from the Pacific Ocean. <i>Marine Genomics</i> , 2019, 44, 65-69.	0.4	8
44	Emerging evolutionary paradigms in antibiotic discovery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 257-271.	1.4	76
45	Construction of a new integrating vector from actinophage ϕ -OZJ and its use in multiplex <i>Streptomyces</i> transformation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 73-81.	1.4	10
46	Evolutionary dynamics of natural product biosynthesis in bacteria. <i>Natural Product Reports</i> , 2020, 37, 566-599.	5.2	86
47	Comparing the Effects of Biochar and Straw Amendment on Soil Carbon Pools and Bacterial Community Structure in Degraded Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 751-760.	1.7	14
48	Molecular and biotechnological aspects of secondary metabolites in actinobacteria. <i>Microbiological Research</i> , 2020, 231, 126374.	2.5	76
49	Exploring the genetic potential of a fosmid metagenomic library from an oil-impacted mangrove sediment for metabolism of aromatic compounds. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109974.	2.9	16
50	Characterization of <i>Streptomyces</i> Isolates Associated with Estuarine Fish <i>Chanos chanos</i> and Profiling of Their Antibacterial Metabolites-Crude-Extract. <i>International Journal of Microbiology</i> , 2020, 2020, 1-12.	0.9	14
51	A positive perspective on DNA methylation: regulatory functions of DNA methylation outside of host defense in Gram-positive bacteria. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2020, 55, 576-591.	2.3	10
52	52 years of ecological restoration following a major disturbance by opencast lignite mining does not reassemble microbiome structures of the original arable soils. <i>Science of the Total Environment</i> , 2020, 745, 140955.	3.9	13
53	A novel diterpene agent isolated from <i>Microbispora hainanensis</i> strain CSR-4 and its in vitro and in silico inhibition effects on acetylcholine esterase enzyme. <i>Scientific Reports</i> , 2020, 10, 11058.	1.6	10
54	Enzyme Evolution in Secondary Metabolism. , 2020, , 90-112.		2
55	Effect of substrate concentrations on aerobic biotransformation of 6:2 fluorotelomer sulfonate (6:2) Tj ETQq1 1 0.784314 rgBT /Over	4.2	11

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56	Metabarcoding Analysis of Bacterial Communities Associated with Media Grow Bed Zones in an Aquaponic System. <i>International Journal of Microbiology</i> , 2020, 2020, 1-10.	0.9	7
57	<i>Streptomyces</i> -Derived Metabolites with Potential Photoprotective Properties—A Systematic Literature Review and Meta-Analysis on the Reported Chemodiversity. <i>Molecules</i> , 2020, 25, 3221.	1.7	16
58	A Functional K ⁺ Channel from Tetraselmis Virus 1, a Member of the Mimiviridae. <i>Viruses</i> , 2020, 12, 1107.	1.5	3
59	Developmental, Dietary, and Geographical Impacts on Gut Microbiota of Red Swamp Crayfish (<i>Procambarus clarkii</i>). <i>Microorganisms</i> , 2020, 8, 1376.	1.6	38
60	Microbiome Diversity and Community-Level Change Points within Manure-Based Small Biogas Plants. <i>Microorganisms</i> , 2020, 8, 1169.	1.6	12
61	DNA-Stable Isotope Probing Shotgun Metagenomics Reveals the Resilience of Active Microbial Communities to Biochar Amendment in Oxisol Soil. <i>Frontiers in Microbiology</i> , 2020, 11, 587972.	1.5	12
62	Ecosystem Functions of Microbial Consortia in Sustainable Agriculture. <i>Agronomy</i> , 2020, 10, 1902.	1.3	30
63	Telomeric and sub-telomeric regions undergo rapid turnover within a <i>Streptomyces</i> population. <i>Scientific Reports</i> , 2020, 10, 7720.	1.6	15
64	Station and train surface microbiomes of Mexico City's metro (subway/underground). <i>Scientific Reports</i> , 2020, 10, 8798.	1.6	18
65	A mechanistic explanation of the transition to simple multicellularity in fungi. <i>Nature Communications</i> , 2020, 11, 2594.	5.8	15
66	<i>Thermobifida fusca</i> Cellulases Exhibit Increased Endo-Exo Synergistic Activity, but Lower Exocellulase Activity, on Cellulose-III. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5028-5039.	3.2	12
67	Insights on aquatic microbiome of the Indian Sundarbans mangrove areas. <i>PLoS ONE</i> , 2020, 15, e0221543.	1.1	23
68	<i>Atractylodes lancea</i> volatiles induce physiological responses in neighboring peanut plant during intercropping. <i>Plant and Soil</i> , 2020, 453, 409-422.	1.8	10
69	Bacterial vertical and horizontal variability around a deep seamount in the Tropical Western Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2020, 158, 111419.	2.3	10
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71	Riparian land-use systems impact soil microbial communities and nitrous oxide emissions in an agro-ecosystem. <i>Science of the Total Environment</i> , 2020, 724, 138148.	3.9	22
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74	Responses of soil bacteria and fungal communities to pristine and sulfidized zinc oxide nanoparticles relative to Zn ions. <i>Journal of Hazardous Materials</i> , 2021, 405, 124258.	6.5	28
75	Distinguishing Between the Impacts of Heat and Drought Stress on the Root Microbiome of <i>Sorghum bicolor</i> . <i>Phytobiomes Journal</i> , 2021, 5, 166-176.	1.4	28
76	Exploring the diversity of mechanosensitive channels in bacterial genomes. <i>European Biophysics Journal</i> , 2021, 50, 25-36.	1.2	5
77	Actinomycetes – The microbial machinery for the organic-cycling, plant growth, and sustainable soil health. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 31, 101893.	1.5	35
78	Impact of titanium dioxide nanoparticles on intestinal community in 2,4,6-trinitrobenzenesulfonic acid (TNBS)-induced acute colitis mice and the intervention effect of vitamin E. <i>Nanoscale</i> , 2021, 13, 1842-1862.	2.8	12
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81	Components of a Neanderthal gut microbiome recovered from fecal sediments from El Salt. <i>Communications Biology</i> , 2021, 4, 169.	2.0	28
83	Soil Texture, Sampling Depth and Root Hairs Shape the Structure of ACC Deaminase Bacterial Community Composition in Maize Rhizosphere. <i>Frontiers in Microbiology</i> , 2021, 12, 616828.	1.5	23
84	Crop type exerts greater influence upon rhizosphere phosphohydrolase gene abundance and phylogenetic diversity than phosphorus fertilization. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	8
85	Microbiomes of different ages in Rendzic Leptosols in the Crimean Peninsula. <i>PeerJ</i> , 2021, 9, e10871.	0.9	2
86	Comparative Metabologenomics Analysis of Polar Actinomycetes. <i>Marine Drugs</i> , 2021, 19, 103.	2.2	22
87	Isolation of manumycin-type derivatives and genome characterization of a marine <i>Streptomyces</i> sp. C1-2. <i>Research in Microbiology</i> , 2021, 172, 103812.	1.0	2
88	Challenges Faced by Highly Polyploid Bacteria with Limits on DNA Inheritance. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	9
89	Important ecophysiological roles of non-dominant Actinobacteria in plant residue decomposition, especially in less fertile soils. <i>Microbiome</i> , 2021, 9, 84.	4.9	87
90	Land-Use System and Forest Floor Explain Prokaryotic Metacommunity Structuring and Spatial Turnover in Amazonian Forest-to-Pasture Conversion Areas. <i>Frontiers in Microbiology</i> , 2021, 12, 657508.	1.5	4
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93	Interdomain horizontal gene transfer of nickel-binding superoxide dismutase. <i>Geobiology</i> , 2021, 19, 450-459.	1.1	11

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94	Self-Powerability in Electrical Stimulation Drug Delivery System. <i>Advanced Materials Technologies</i> , 2022, 7, 2100055.	3.0	40
95	Microbial Degradation of Rubber: Actinobacteria. <i>Polymers</i> , 2021, 13, 1989.	2.0	38
96	A New <i>Ciboria</i> sp. for Soil Mycoremediation and the Bacterial Contribution to the Depletion of Total Petroleum Hydrocarbons. <i>Frontiers in Microbiology</i> , 2021, 12, 647373.	1.5	12
97	Bacterial communities in temperate and polar coastal sands are seasonally stable. <i>ISME Communications</i> , 2021, 1, .	1.7	18
98	Testing cophylogeny between coral reef invertebrates and their bacterial and archaeal symbionts. <i>Molecular Ecology</i> , 2021, 30, 3768-3782.	2.0	11
99	Marine Actinomycetes, New Sources of Biotechnological Products. <i>Marine Drugs</i> , 2021, 19, 365.	2.2	57
100	Study of soil microorganisms modified wheat straw and biochar for reducing cadmium leaching potential and bioavailability. <i>Chemosphere</i> , 2021, 273, 129644.	4.2	42
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108	Biodiversity of Secondary Metabolites Compounds Isolated from Phylum Actinobacteria and Its Therapeutic Applications. <i>Molecules</i> , 2021, 26, 4504.	1.7	31
109	Evolution of a $(c\text{-di-GMP})$ anti- σ switch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	11
110	Establishment of actinobacteria- <i>Satureja hortensis</i> interactions under future climate CO ₂ -enhanced crop productivity in drought environments of Saudi Arabia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62853-62867.	2.7	7
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113	Microbial transfers from permanent grassland ecosystems to milk in dairy farms in the ComtÃ© cheese area. <i>Scientific Reports</i> , 2021, 11, 18144.	1.6	8
114	Deciphering microbial mechanisms underlying soil organic carbon storage in a wheat-maize rotation system. <i>Science of the Total Environment</i> , 2021, 788, 147798.	3.9	23
115	Phylogenomics, CAZyme and core secondary metabolome of <i>Streptomyces albus</i> species. <i>Molecular Genetics and Genomics</i> , 2021, 296, 1299-1311.	1.0	5
116	Soil microbial communities are driven by the declining availability of cations and phosphorus during ecosystem retrogression. <i>Soil Biology and Biochemistry</i> , 2021, 163, 108430.	4.2	10
117	Amplification of Femtograms of Bacterial DNA Within 3 h Using a Digital Microfluidics Platform for MinION Sequencing. <i>ACS Omega</i> , 2021, 6, 25642-25651.	1.6	15
118	Linking microbial taxa and the effect of mineral nitrogen forms on residue decomposition at the early stage in arable soil by DNA-qSIP. <i>Geoderma</i> , 2021, 400, 115127.	2.3	9
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126	Impact of winter enclosures on the gut bacterial microbiota of red deer in the Bavarian Forest National Park. <i>Wildlife Biology</i> , 2019, 2019, .	0.6	12
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128	The Rising of "Modern Actinobacteria" Era. <i>Bulletin of the Geological Society of Malaysia</i> , 2020, 3, .	0.5	24
129	Implications of Microbial Community to the Overall Performance of Tree-Box Filter Treating Parking Lot Runoff. <i>Sustainability</i> , 2021, 13, 10877.	1.6	1
130	16S rRNA Gene Amplicon Sequencing Data of the Iron Quadrangle Ferruginous Caves (Brazil) Shows the Importance of Conserving This Singular and Threatened Geosystem. <i>Diversity</i> , 2021, 13, 494.	0.7	2
131	Cellulolytic enzyme-producing thermophilic Actinobacteria isolated from the soil of Cisolok Geysers, West Java, Indonesia. <i>Biodiversitas</i> , 2019, 20, .	0.2	2
132	Phylogenetic Analysis of <i>Streptomyces</i> spp. Isolated from Soil Samples in Sulaimani Governorate. <i>Polytechnic Journal</i> , 2020, 10, 18-24.	0.1	0

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133	Hemicellulolytic bacteria in the anterior intestine of the earthworm <i>Eisenia fetida</i> (Sav.). <i>Science of the Total Environment</i> , 2022, 806, 151221.	3.9	2
134	Utilization of low-molecular-weight organic compounds by the filterable fraction of a lotic microbiome. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	0
135	Actinobacterial Communities of Chosen Extreme Habitats in China. <i>Polish Journal of Ecology</i> , 2020, 68, .	0.2	2
136	Marine Actinobacteria: New Horizons in Bioremediation. <i>Environmental and Microbial Biotechnology</i> , 2021, , 425-449.	0.4	6
138	Erosion and deposition divergently affect the structure of soil bacterial communities and functionality. <i>Catena</i> , 2022, 209, 105805.	2.2	14
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141	Tasa de aireaci3n de la degradaci3n aerobia en la fracci3n org3nica de residuos s3lidos urbanos. <i>Revista Mexicana De Ciencias Agrícolas</i> , 2021, 12, 1149-1159.	0.0	0
142	Bacterial composition and putative functions associated with sponges, sediment and seawater from the Tioman coral reef system, Peninsular Malaysia. <i>Marine Biology Research</i> , 2020, 16, 729-743.	0.3	1
143	Cd diminution through microbial mediated degraded lignocellulose maize straw: Batch adsorption and bioavailability trails. <i>Journal of Environmental Management</i> , 2022, 302, 114042.	3.8	10
144	Microbiota Variation Across Life Stages of European Field-Caught <i>Anopheles atroparvus</i> and During Laboratory Colonization: New Insights for Malaria Research. <i>Frontiers in Microbiology</i> , 2021, 12, 775078.	1.5	5
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146	Actinobacteria challenge the paradigm: A unique protein architecture for a well-known, central metabolic complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
147	The structure and functional profile of ruminal microbiota in young and adult reindeers (<i>Rangifer</i>) Tj ETQq1 1 0.784314 rgBT /Overbo e12389.	0.9	11
148	Isolation of Epiphytic Actinobacteria from Lichens. <i>Springer Protocols</i> , 2022, , 121-130.	0.1	0
149	Morphological and molecular characterisation of <i>Streptomyces</i> spp. which suppress pathogenic fungi. <i>African Crop Science Journal</i> , 2020, 28, 555-566.	0.1	2
150	DETERMINATION OF THE GROWTH RATE OF MEDICINALLY IMPORTANT <i>Streptomyces</i> BACTERIA IN DIFFERENT MEDIA. <i>Van Sagl1t1k Bilimleri Dergisi</i> , 0, , .	0.6	1
151	Trophic and symbiotic links between obligate-glacier water bears (<i>Tardigrada</i>) and cryoconite microorganisms. <i>PLoS ONE</i> , 2022, 17, e0262039.	1.1	17

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152	Distribution and Evolutionary History of Sialic Acid Catabolism in the Phylum <i>Actinobacteria</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0238021.	1.2	4
153	Potential metal chelating ability of mycosporine-like amino acids: a computational research. <i>Chemical Papers</i> , 2022, 76, 2279-2291.	1.0	5
155	Adaptations of microbial communities and dissolved organics to seasonal pressures in a mesotrophic coastal Mediterranean lake. <i>Environmental Microbiology</i> , 2022, 24, 2282-2298.	1.8	9
156	Bacterial and fungal community assembly in relation to soil nutrients and plant growth across different ecoregions of shrubland in Shaanxi, northwestern China. <i>Applied Soil Ecology</i> , 2022, 173, 104385.	2.1	7
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