

Evolutionary Implications of Anoxygenic Phototrophy in Eremiobacterota (WPS-2)

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Anoxygenic Phototrophs Span Geochemical Gradients and Diverse Morphologies in Terrestrial Geothermal Springs. <i>MSystems</i> , 2019, 4, .	1.7	24
2	On the origin of oxygenic photosynthesis and Cyanobacteria. <i>New Phytologist</i> , 2020, 225, 1440-1446.	3.5	132
3	Synthetic substituted boronates of dihydroxy-bacteriochlorin absorbing and emitting far-red to near-infrared light as bacteriopheophytin-a analogs. <i>Dyes and Pigments</i> , 2020, 175, 108155.	2.0	4
4	Multidomain ribosomal protein trees and the planctobacterial origin of neomura (eukaryotes.) Tj ETQq1 1 0.784314 rgBT /Overlock 107	1.0	50
5	The response of the soil bacterial community and function to forest succession caused by forest disease. <i>Functional Ecology</i> , 2020, 34, 2548-2559.	1.7	42
6	Microbial mats in the Turks and Caicos Islands reveal diversity and evolution of phototrophy in the Chloroflexota order <i>Aggregatilineales</i> . <i>Environmental Microbiomes</i> , 2020, 15, 9.	2.2	15
7	Effects of winter and summer conditions on Cd fractionation and bioavailability, bacterial communities and Cd phytoextraction potential of <i>Brachiaria decumbens</i> and <i>Panicum maximum</i> grown in a tropical soil. <i>Science of the Total Environment</i> , 2020, 728, 138885.	3.9	14
8	Ecological and genomic analyses of candidate phylum <sc>WPS</sc> bacteria in an unvegetated soil. <i>Environmental Microbiology</i> , 2020, 22, 3143-3157.	1.8	42
9	Process performance and anammox community diversity in a deammonification reactor under progressive nitrogen loading rates for swine wastewater treatment. <i>Bioresource Technology</i> , 2020, 311, 123521.	4.8	29
10	Deciphering the rhizosphere microbiome of a bamboo plant in response to different chromium contamination levels. <i>Journal of Hazardous Materials</i> , 2020, 399, 123107.	6.5	32
11	Contrasting bacteriome of the hornwort <i>Leiosporoceros dussii</i> in two nearby sites with emphasis on the hornwort-cyanobacterial symbiosis. <i>Symbiosis</i> , 2020, 81, 39-52.	1.2	24
12	Temperature impacts community structure and function of phototrophic Chloroflexi and Cyanobacteria in two alkaline hot springs in Yellowstone National Park. <i>Environmental Microbiology Reports</i> , 2020, 12, 503-513.	1.0	52
13	Specialized bacteriome uncovered in the coralloid roots of the epiphytic gymnosperm, <i>Zamia pseudoparasitica</i>. <i>Environmental DNA</i> , 2020, 2, 418-428.	3.1	22
14	Phylogenetic conservation of soil bacterial responses to simulated global changes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190242.	1.8	46
15	Experimental assessment of tree canopy and leaf litter controls on the microbiome and nitrogen fixation rates of two boreal mosses. <i>New Phytologist</i> , 2020, 227, 1335-1349.	3.5	33
16	Complex History of Aerobic Respiration and Phototrophy in the <i>Chloroflexota</i> Class <i>Anaerolineae</i> Revealed by High-Quality Draft Genome of <i>Ca.</i> <i>Roselinea mizusawaensis</i> AA3_104. <i>Microbes and Environments</i> , 2021, 36, n/a.	0.7	5
17	Granick revisited: Synthesizing evolutionary and ecological evidence for the late origin of bacteriochlorophyll via ghost lineages and horizontal gene transfer. <i>PLoS ONE</i> , 2021, 16, e0239248.	1.1	10
18	<i>Candidatus</i> Eremiobacterota, a metabolically and phylogenetically diverse terrestrial phylum with acid-tolerant adaptations. <i>ISME Journal</i> , 2021, 15, 2692-2707.	4.4	36

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20	Candidatus List No. 2. Lists of names of prokaryotic Candidatus taxa. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	148
21	Shotgun metagenomics reveals distinct functional diversity and metabolic capabilities between 12â€000-year-old permafrost and active layers on Muot da Barba Peider (Swiss Alps). Microbial Genomics, 2021, 7, .	1.0	7
22	Enhancement of nitrite-dependent anaerobic methane oxidation via <i>Geobacter sulfurreducens</i> . Science of the Total Environment, 2021, 766, 144230.	3.9	11
23	Common Presence of Phototrophic <i>Gemmatimonadota</i> in Temperate Freshwater Lakes. MSystems, 2021, 6, .	1.7	20
24	Time-resolved comparative molecular evolution of oxygenic photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148400.	0.5	44
25	Endolithic Bacterial Diversity in Lichen-Dominated Communities Is Shaped by Sun Exposure in McMurdo Dry Valleys, Antarctica. Microbial Ecology, 2022, 83, 328-339.	1.4	15
26	Recent advances in the structural diversity of reaction centers. Photosynthesis Research, 2021, 149, 329-343.	1.6	22
27	Application of environmental DNA for assessment of contamination downstream of a legacy base metal mine. Journal of Hazardous Materials, 2021, 416, 125794.	6.5	4
28	Characterizing the Uncultivated Microbial Minority: towards Understanding the Roles of the Rare Biosphere in Microbial Communities. MSystems, 2021, 6, e0077321.	1.7	7
29	Exploitation of extracellular organic matter from <i>Micrococcus luteus</i> to enhance ex situ bioremediation of soils polluted with used lubricants. Journal of Hazardous Materials, 2021, 417, 125996.	6.5	34
30	Impact assessment of ephemeral discharge of contamination downstream of two legacy base metal mines using environmental DNA. Journal of Hazardous Materials, 2021, 419, 126483.	6.5	7
32	Genomic sequence analysis of <i>Dissulfuribabdu</i> <i>thermomarina</i> SH388 and proposed reassignment to <i>Dissulfuribabdaceae</i> fam. nov.. Microbial Genomics, 2020, 6, .	1.0	2
34	Efficient removal of organic compounds from shale gas wastewater by coupled ozonation and moving-bed-biofilm submerged membrane bioreactor. Bioresource Technology, 2022, 344, 126191.	4.8	29
49	<i>Candidatus</i> <i>Anthehtikosiphon siderophilum</i> OHK22, a New Member of the Chloroflexi Family Herpetosiphonaceae from Oku-okuhachikurou Onsen. Microbes and Environments, 2020, 35, n/a.	0.7	12
52	Succession of Microbial Communities in Waste Soils of an Iron Mine in Eastern China. Microorganisms, 2021, 9, 2463.	1.6	7
53	Out of Thin Air? Astrobiology and Atmospheric Chemotrophy. Astrobiology, 2022, , .	1.5	5
54	Phylum <i>Gemmatimonadota</i> and Its Role in the Environment. Microorganisms, 2022, 10, 151.	1.6	69
56	Bacterial microbiomes from mucus and breath of southern resident killer whales (<i>Orcinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10		

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57	Characterization of the First Cultured Representative of <i>Candidatus</i> Thermofonsia Clade 2 within <i>Chloroflexi</i> Reveals Its Phototrophic Lifestyle. <i>MBio</i> , 2022, 13, e0028722.	1.8	8
58	<i>Geobacter</i> sp. Strain IAE Dihaloeliminates 1,1,2-Trichloroethane and 1,2-Dichloroethane. <i>Environmental Science & Technology</i> , 2022, 56, 3430-3440.	4.6	13
59	Temperature and Geographic Location Impact the Distribution and Diversity of Photoautotrophic Gene Variants in Alkaline Yellowstone Hot Springs. <i>Microbiology Spectrum</i> , 2022, 10, e0146521.	1.2	7
61	Biosynthetic potential of the global ocean microbiome. <i>Nature</i> , 2022, 607, 111-118.	13.7	128
62	(Meta)Genomic Analysis Reveals Diverse Energy Conservation Strategies Employed by Globally Distributed <i>Gemmatimonadota</i> . <i>MSystems</i> , 2022, 7, .	1.7	6
63	Phototrophy and carbon fixation in <i>Chlorobi</i> postdate the rise of oxygen. <i>PLoS ONE</i> , 2022, 17, e0270187.	1.1	2
64	Biogeographical survey of soil microbiomes across sub-Saharan Africa: structure, drivers, and predicted climate-driven changes. <i>Microbiome</i> , 2022, 10, .	4.9	14
65	Stability and volatility shape the gut bacteriome and <i>Kazachstania slooffiae</i> dynamics in preweaning, nursery and adult pigs. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
66	Analysis of Blueberry Plant Rhizosphere Bacterial Diversity and Selection of Plant Growth Promoting Rhizobacteria. <i>Current Microbiology</i> , 2022, 79, .	1.0	8
67	Phylogenomic analysis of a metagenome-assembled genome indicates a new taxon of an anoxygenic phototroph bacterium in the family Chromatiaceae and the proposal of <i>Candidatus</i> Thioaporhodococcus gen. nov. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	2
68	Microbial community structures and important taxa across oxygen gradients in the Andaman Sea and eastern Bay of Bengal epipelagic waters. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
69	A survey of soil bacterial diversity across a northeast Louisiana federal wildlife refuge. <i>Journal of the Pennsylvania Academy of Science</i> , 2021, 95, 104-120.	0.1	0
70	Diversity dynamics of aerobic anoxygenic phototrophic bacteria in a freshwater lake. <i>Environmental Microbiology Reports</i> , 2023, 15, 60-71.	1.0	8
71	<i>Vulcanimicrobium alpinus</i> gen. nov. sp. nov., the first cultivated representative of the candidate phylum <i>Eremiobacterota</i> , is a metabolically versatile aerobic anoxygenic phototroph. <i>ISME Communications</i> , 2022, 2, .	1.7	8
72	Brain-gut-liver axis: Chronic psychological stress promotes liver injury and fibrosis via gut in rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	4
73	Wastewater from textile digital printing as a substrate for microalgal growth and valorization. <i>Bioresource Technology</i> , 2023, 375, 128828.	4.8	6
74	Changes of Soil Dissolved Organic Matter and Its Relationship with Microbial Community along the Hailuogou Glacier Forefield Chronosequence. <i>Environmental Science & Technology</i> , 2023, 57, 4027-4038.	4.6	14
75	Microbial modeling in African lakes. , 2023, , 527-556.		0

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76	Four billion years of microbial terpenome evolution. FEMS Microbiology Reviews, 2023, 47, .	3.9	7
85	Cyanobacteriaâ€”the pioneering photoautotrophs. , 2024, , 1-18.		0