

# Biqing Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

4,044  
citations

394390

19  
h-index

501174

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

4609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable phosphorus management in soil using bone apatite. <i>Journal of Environmental Management</i> , 2022, 305, 114344.	7.8	6
2	Systematic changes of bone hydroxyapatite along a charring temperature gradient: An integrative study with dissolution behavior. <i>Science of the Total Environment</i> , 2021, 766, 142601.	8.0	21
3	Systematic Analysis of Phosphatidylinositol-5-phosphate-Interacting Proteins Using Yeast Proteome Microarrays. <i>Analytical Chemistry</i> , 2021, 93, 868-877.	6.5	5
4	YPIBP: A repository for phosphoinositide-binding proteins in yeast. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3692-3707.	4.1	3
5	Biochar drives microbially-mediated rice production by increasing soil carbon. <i>Journal of Hazardous Materials</i> , 2020, 387, 121680.	12.4	49
6	Temporal physicochemical changes and transformation of biochar in a rice paddy: Insights from a 9-year field experiment. <i>Science of the Total Environment</i> , 2020, 721, 137670.	8.0	54
7	Black carbon enriches short-range-order ferrihydrite in Amazonian Dark Earth: Interplay mechanism and environmental implications. <i>Science of the Total Environment</i> , 2020, 725, 138195.	8.0	6
8	In situ evidence of mineral physical protection and carbon stabilization revealed by nanoscale 3-D tomography. <i>Biogeosciences</i> , 2018, 15, 3133-3142.	3.3	11
9	Fast Projection Matching for X-ray Tomography. <i>Scientific Reports</i> , 2017, 7, 3691.	3.3	24
10	Cyanophycin Mediates the Accumulation and Storage of Fixed Carbon in Non-Heterocystous Filamentous Cyanobacteria from Coniform Mats. <i>PLoS ONE</i> , 2014, 9, e88142.	2.5	13
11	Can functional group composition of alkaline isolates from black carbon-rich soils be identified on a sub-100nm scale?. <i>Geoderma</i> , 2014, 235-236, 163-169.	5.1	13
12	Oxygen-Dependent Morphogenesis of Modern Clumped Photosynthetic Mats and Implications for the Archean Stromatolite Record. <i>Geosciences (Switzerland)</i> , 2012, 2, 235-259.	2.2	36
13	Cyanobacterial diversity and activity in modern conical microbialites. <i>Geobiology</i> , 2012, 10, 384-401.	2.4	51
14	Speciation and Long- and Short-term Molecular-level Dynamics of Soil Organic Sulfur Studied by X-ray Absorption Near-Edge Structure Spectroscopy. <i>Journal of Environmental Quality</i> , 2011, 40, 704-718.	2.0	33
15	Reaction-diffusion model of nutrient uptake in a biofilm: Theory and experiment. <i>Journal of Theoretical Biology</i> , 2011, 289, 90-95.	1.7	32
16	Amazonian Anthrosols Support Similar Microbial Communities that Differ Distinctly from Those Extant in Adjacent, Unmodified Soils of the Same Mineralogy. <i>Microbial Ecology</i> , 2010, 60, 192-205.	2.8	186
17	Formation and stability of oxygen-rich bubbles that shape photosynthetic mats. <i>Geobiology</i> , 2010, 8, 45-55.	2.4	97
18	Black carbon affects the cycling of non-black carbon in soil. <i>Organic Geochemistry</i> , 2010, 41, 206-213.	1.8	530

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19	Morphological record of oxygenic photosynthesis in conical stromatolites. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10939-10943.	7.1	142
20	Biogenic calcium phosphate transformation in soils over millennial time scales. Journal of Soils and Sediments, 2009, 9, 194-205.	3.0	32
21	Carbon (1s) NEXAFS Spectroscopy of Biogeochemically Relevant Reference Organic Compounds. Soil Science Society of America Journal, 2009, 73, 1817-1830.	2.2	153
22	Stability of biomass-derived black carbon in soils. Geochimica Et Cosmochimica Acta, 2008, 72, 6069-6078.	3.9	287
23	Molecular signature and sources of biochemical recalcitrance of organic C in Amazonian Dark Earths. Geochimica Et Cosmochimica Acta, 2007, 71, 2285-2298.	3.9	118
24	Nanoscale Biogeochemical Complexity of the Organomineral Assemblage in Soil. Soil Science Society of America Journal, 2006, 70, 1708-1718.	2.2	111
25	Black Carbon Increases Cation Exchange Capacity in Soils. Soil Science Society of America Journal, 2006, 70, 1719-1730.	2.2	1,614
26	Carbon K-edge NEXAFS and FTIR-ATR Spectroscopic Investigation of Organic Carbon Speciation in Soils. Soil Science Society of America Journal, 2005, 69, 107-119.	2.2	186
27	Near-edge X-ray absorption fine structure (NEXAFS) spectroscopy for mapping nano-scale distribution of organic carbon forms in soil: Application to black carbon particles. Global Biogeochemical Cycles, 2005, 19, .	4.9	215
28	Oxidation is Key for Black Carbon Surface Functionality and Nutrient Retention in Amazon Anthrosols. British Journal of Environment and Climate Change, 0, , 9-23.	0.3	14