

# Bhoopesh Mishra

## List of Publications by Year in descending order

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32  
papers

1,251  
citations

361413

20  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and chemical heterogeneity of Proterozoic organic microfossils of the ca. 1 Ga old Angmaat Formation, Baffin Island, Canada. <i>Geobiology</i> , 2021, 19, 557-584.	2.4	1
2	Iron, Nitrogen Co-doped Carbon Spheres as Low Cost, Scalable Electrocatalysts for the Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2102974.	14.9	35
3	X-ray Raman scattering for bulk chemical and structural insight into green carbon. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18435-18446.	2.8	4
4	Cellular Mercury Coordination Environment, and Not Cell Surface Ligands, Influence Bacterial Methylmercury Production. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3960-3968.	10.0	31
5	Evidence for a core-shell structure of hydrothermal carbon. <i>Carbon</i> , 2020, 161, 423-431.	10.3	36
6	Role of bacterial cell surface sulfhydryl sites in cadmium detoxification by <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , 2020, 391, 122209.	12.4	15
7	Uptake and speciation of zinc in edible plants grown in smelter contaminated soils. <i>PLoS ONE</i> , 2020, 15, e0226180.	2.5	15
8	High Energy Resolution-X-ray Absorption Near Edge Structure Spectroscopy Reveals Zn Ligation in Whole Cell Bacteria. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2585-2592.	4.6	17
9	X-ray Raman scattering: a new <i>in situ</i> probe of molecular structure during nucleation and crystallization from liquid solutions. <i>CrystEngComm</i> , 2018, 20, 6871-6884.	2.6	8
10	Physicochemical characterization of ferric pyrophosphate citrate. <i>BioMetals</i> , 2018, 31, 1091-1099.	4.1	10
11	Adsorption of Methylmercury onto <i>Geobacter bemidjensis</i> Bem. <i>Environmental Science &amp; Technology</i> , 2018, 52, 11564-11572.	10.0	4
12	Transformation of zinc-concentrate in surface and subsurface environments: Implications for assessing zinc mobility/toxicity and choosing an optimal remediation strategy. <i>Environmental Pollution</i> , 2017, 226, 346-355.	7.5	22
13	Stoichiometry of mercury-thiol complexes on bacterial cell envelopes. <i>Chemical Geology</i> , 2017, 464, 137-146.	3.3	33
14	Intracellular Hg(0) Oxidation in <i>Desulfovibrio desulfuricans</i> ND132. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11049-11056.	10.0	20
15	Aberration-corrected Transmission Electron Microscopy and <i>In situ</i> XAFS Structural Characterization of Pt <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>ChemCatChem</i> , 2015, 7, 3779-3787.	3.7	29
16	The effect of natural organic matter on the adsorption of mercury to bacterial cells. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 1-10.	3.9	37
17	Spectroscopic and Computational Insights on Catalytic Synergy in Bimetallic Aluminophosphate Catalysts. <i>Journal of the American Chemical Society</i> , 2015, 137, 8534-8540.	13.7	23
18	Sulfur-mediated electron shuttling during bacterial iron reduction. <i>Science</i> , 2014, 344, 1039-1042.	12.6	175

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19	Stable U(IV) Complexes Form at High-Affinity Mineral Surface Sites. <i>Environmental Science &amp; Technology</i> , 2014, 48, 1683-1691.	10.0	67
20	Ubiquitous Presence of Fe(II) in Aquatic Colloids and Its Association with Organic Carbon. <i>Environmental Science and Technology Letters</i> , 2014, 1, 387-392.	8.7	36
21	The effect of chloride on the adsorption of Hg onto three bacterial species. <i>Chemical Geology</i> , 2014, 373, 106-114.	3.3	25
22	Influence of Chloride and Fe(II) Content on the Reduction of Hg(II) by Magnetite. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6987-6994.	10.0	50
23	Microscale geochemical gradients in Hanford 300 Area sediment biofilms and influence of uranium. <i>Water Research</i> , 2012, 46, 227-234.	11.3	28
24	Immobilization of U(VI) from oxic groundwater by Hanford 300 Area sediments and effects of Columbia River water. <i>Water Research</i> , 2012, 46, 3989-3998.	11.3	23
25	Redox Behavior of Uranium at the Nanoporous Aluminum Oxide-Water Interface: Implications for Uranium Remediation. <i>Environmental Science &amp; Technology</i> , 2012, 46, 7301-7309.	10.0	31
26	Binding of Hg <sup>II</sup> to High-Affinity Sites on Bacteria Inhibits Reduction to Hg <sup>0</sup> by Mixed Fe <sup>II/III</sup> Phases. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9597-9603.	10.0	51
27	High- and low-affinity binding sites for Cd on the bacterial cell walls of <i>Bacillus subtilis</i> and <i>Shewanella oneidensis</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4219-4233.	3.9	102
28	A spectroscopic study of the effects of a microbial siderophore on Pb adsorption to kaolinite. <i>Chemical Geology</i> , 2010, 275, 199-207.	3.3	21
29	One-Pot Aqueous Synthesis of Fe and Ag Core/Shell Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 6291-6296.	6.7	66
30	Storage and bioavailability of molybdenum in soils increased by organic matter complexation. <i>Nature Geoscience</i> , 2009, 2, 625-629.	12.9	176
31	Effects of the Microbial Siderophore DFO-B on Pb and Cd Speciation in Aqueous Solution. <i>Environmental Science &amp; Technology</i> , 2009, 43, 94-100.	10.0	22
32	An X-ray absorption spectroscopy study of Cd binding onto bacterial consortia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4311-4325.	3.9	38