# Bhoopesh Mishra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7420914/publications.pdf

Version: 2024-02-01

| 32 | 1,251 | 361413 | 414414 |
|---|---|---|---|
| papers | citations | 20 | 32 |
| | | h-index | g-index |

| 32 | 32 | 32 | 1994 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Storage and bioavailability of molybdenum in soils increased by organic matter complexation. Nature Geoscience, 2009, 2, 625-629. | 12.9 | 176 |
| 2 | Sulfur-mediated electron shuttling during bacterial iron reduction. Science, 2014, 344, 1039-1042. | 12.6 | 175 |
| 3 | High- and low-affinity binding sites for Cd on the bacterial cell walls of Bacillus subtilis and Shewanella oneidensis. Geochimica Et Cosmochimica Acta, 2010, 74, 4219-4233. | 3.9 | 102 |
| 4 | Stable U(IV) Complexes Form at High-Affinity Mineral Surface Sites. Environmental Science & Technology, 2014, 48, 1683-1691. | 10.0 | 67 |
| 5 | One-Pot Aqueous Synthesis of Fe and Ag Core/Shell Nanoparticles. Chemistry of Materials, 2010, 22, 6291-6296. | 6.7 | 66 |
| 6 | 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. Environmental Science & Technology, 2011, 45, 9597-9603. | 10.0 | 51 |
| 7 | Influence of Chloride and Fe(II) Content on the Reduction of Hg(II) by Magnetite. Environmental Science & Technology, 2013, 47, 6987-6994. | 10.0 | 50 |
| 8 | An X-ray absorption spectroscopy study of Cd binding onto bacterial consortia. Geochimica Et Cosmochimica Acta, 2009, 73, 4311-4325. | 3.9 | 38 |
| 9 | The effect of natural organic matter on the adsorption of mercury to bacterial cells. Geochimica Et Cosmochimica Acta, 2015, 150, 1-10. | 3.9 | 37 |
| 10 | Ubiquitous Presence of Fe(II) in Aquatic Colloids and Its Association with Organic Carbon. Environmental Science and Technology Letters, 2014, 1, 387-392. | 8.7 | 36 |
| 11 | Evidence for a core-shell structure of hydrothermal carbon. Carbon, 2020, 161, 423-431. | 10.3 | 36 |
| 12 | Iron, Nitrogen Coâ€Doped Carbon Spheres as Low Cost, Scalable Electrocatalysts for the Oxygen Reduction Reaction. Advanced Functional Materials, 2021, 31, 2102974. | 14.9 | 35 |
| 13 | Stoichiometry of mercury-thiol complexes on bacterial cell envelopes. Chemical Geology, 2017, 464, 137-146. | 3.3 | 33 |
| 14 | Redox Behavior of Uranium at the Nanoporous Aluminum Oxide-Water Interface: Implications for Uranium Remediation. Environmental Science & Technology, 2012, 46, 7301-7309. | 10.0 | 31 |
| 15 | Cellular Mercury Coordination Environment, and Not Cell Surface Ligands, Influence Bacterial Methylmercury Production. Environmental Science & Technology, 2020, 54, 3960-3968. | 10.0 | 31 |
| 16 | Aberrationâ€Corrected Transmission Electron Microscopy and Inâ€…Situ XAFS Structural Characterization of Pt/Î³â€Al<sub>2</sub>O<sub>3</sub> Nanoparticles. ChemCatChem, 2015, 7, 3779-3787. | 3.7 | 29 |
| 17 | Microscale geochemical gradients in Hanford 300 Area sediment biofilms and influence of uranium. Water Research, 2012, 46, 227-234. | 11.3 | 28 |
| 18 | The effect of chloride on the adsorption of Hg onto three bacterial species. Chemical Geology, 2014, 373, 106-114. | 3.3 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Immobilization of U(VI) from oxic groundwater by Hanford 300 Area sediments and effects of Columbia River water. Water Research, 2012, 46, 3989-3998. | 11.3 | 23 |
| 20 | Spectroscopic and Computational Insights on Catalytic Synergy in Bimetallic Aluminophosphate Catalysts. Journal of the American Chemical Society, 2015, 137, 8534-8540. | 13.7 | 23 |
| 21 | Effects of the Microbial Siderophore DFO-B on Pb and Cd Speciation in Aqueous Solution. Environmental Science & Technology, 2009, 43, 94-100. | 10.0 | 22 |
| 22 | Transformation of zinc-concentrate in surface and subsurface environments: Implications for assessing zinc mobility/toxicity andÂchoosing an optimal remediation strategy. Environmental Pollution, 2017, 226, 346-355. | 7.5 | 22 |
| 23 | A spectroscopic study of the effects of a microbial siderophore on Pb adsorption to kaolinite. Chemical Geology, 2010, 275, 199-207. | 3.3 | 21 |
| 24 | Intracellular Hg(0) Oxidation in Desulfovibrio desulfuricans ND132. Environmental Science & Technology, 2016, 50, 11049-11056. | 10.0 | 20 |
| 25 | High Energy Resolution-X-ray Absorption Near Edge Structure Spectroscopy Reveals Zn Ligation in Whole Cell Bacteria. Journal of Physical Chemistry Letters, 2019, 10, 2585-2592. | 4.6 | 17 |
| 26 | Role of bacterial cell surface sulfhydryl sites in cadmium detoxification by Pseudomonas putida. Journal of Hazardous Materials, 2020, 391, 122209. | 12.4 | 15 |
| 27 | Uptake and speciation of zinc in edible plants grown in smelter contaminated soils. PLoS ONE, 2020, 15, e0226180. | 2.5 | 15 |
| 28 | Physicochemical characterization of ferric pyrophosphate citrate. BioMetals, 2018, 31, 1091-1099. | 4.1 | 10 |
| 29 | X-ray Raman scattering: a new in situ probe of molecular structure during nucleation and crystallization from liquid solutions. CrystEngComm, 2018, 20, 6871-6884. | 2.6 | 8 |
| 30 | Adsorption of Methylmercury ontoGeobacter bemidijensisBem. Environmental Science & Technology, 2018, 52, 11564-11572. | 10.0 | 4 |
| 31 | X-ray Raman scattering for bulk chemical and structural insight into green carbon. Physical Chemistry Chemical Physics, 2020, 22, 18435-18446. | 2.8 | 4 |
| 32 | Structural and chemical heterogeneity of Proterozoic organic microfossils of the ca. 1 Ga old Angmaat Formation, Baffin Island, Canada. Geobiology, 2021, 19, 557-584. | 2.4 | 1 |