

# Nihar Biswas

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,160  
citations

516710

16  
h-index

377865

34  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Usage of Oleic and Stearic Acids in Mixed Anaerobic Culture for Sulfate Reduction While Inhibiting Methanogenesis. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, .	1.4	0
2	Soybean peroxidase-catalyzed degradation of a sulfonated dye and its azo-cleavage product. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 423-430.	3.2	6
3	Elimination of selected heterocyclic aromatic emerging contaminants from water using soybean peroxidase. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37570-37579.	5.3	1
4	Averting an Outbreak of SARS-CoV-2 in a University Residence Hall through Wastewater Surveillance. <i>Microbiology Spectrum</i> , 2021, 9, e0079221.	3.0	47
5	Soybean Peroxidase Catalyzed Decoloration of Acid Azo Dyes. <i>Journal of Health and Pollution</i> , 2020, 10, 200307.	1.8	7
6	Inhibition of anaerobic biological sulfate reduction process by copper precipitates. <i>Chemosphere</i> , 2019, 236, 124246.	8.2	6
7	Removal of Selected Pharmaceuticals and Personal Care Products from Wastewater using Soybean Peroxidase. <i>Environmental Management</i> , 2019, 63, 408-415.	2.7	15
8	Sorption properties of peroxidase-catalysed polyphenolic resin enable aromatics <sup>TM</sup> capture. <i>Journal of Environmental Engineering and Science</i> , 2019, 14, 90-96.	0.8	1
9	Managing for Change: Integrating Functionality, Resiliency, and Sustainability for Stormwater Infrastructure Assessment. <i>Journal of Infrastructure Systems</i> , 2018, 24, .	1.8	4
10	Soybean Peroxidase-Catalyzed Treatment of Azo Dyes with or without Fe <sup>0</sup> Pretreatment. <i>Water Environment Research</i> , 2018, 90, 675-684.	2.7	7
11	A Short Review of Techniques for Phenol Removal from Wastewater. <i>Current Pollution Reports</i> , 2016, 2, 157-167.	6.6	503
12	Effects of Bell Speed and Flow Rate on Evaporation of Water Spray from a Rotary Bell Atomizer. <i>Coatings</i> , 2015, 5, 186-194.	2.6	6
13	Reaction Kinetics of Ozone with Selected Pharmaceuticals and Their Removal Potential from a Secondary Treated Municipal Wastewater Effluent in the Great Lakes Basin. <i>Ozone: Science and Engineering</i> , 2015, 37, 36-44.	2.5	14
14	Inhibitory Effect of Metal Precipitation on Anaerobic Biological Sulfate Reduction Process. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 5179-5192.	0.0	0
15	Crude soybean hull peroxidase treatment of phenol in synthetic and real wastewater: Enzyme economy enhanced by Triton X-100. <i>Enzyme and Microbial Technology</i> , 2014, 55, 65-71.	3.2	34
16	A review of infrastructure challenges: assessing stormwater system sustainability. <i>Canadian Journal of Civil Engineering</i> , 2014, 41, 483-492.	1.3	27
17	Soybean peroxidase for industrial wastewater treatment: a mini review. <i>Journal of Environmental Engineering and Science</i> , 2014, 9, 181-186.	0.8	32
18	A simple lab-scale extraction of soybean hull peroxidase shows wide variation among cultivars. <i>Industrial Crops and Products</i> , 2013, 48, 13-18.	5.2	26

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19	Soybean peroxidase trapped in product precipitate during phenol polymerization retains activity and may be recycled. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1429-1435.	3.2	26
20	A Survey of Occurrence and Risk Assessment of Pharmaceutical Substances in the Great Lakes Basin. <i>Ozone: Science and Engineering</i> , 2013, 35, 249-262.	2.5	24
21	Bromate Formation in Ozone and Advanced Oxidation Processes. <i>Ozone: Science and Engineering</i> , 2012, 34, 325-333.	2.5	23
22	Evaluation of the Reactivity of Organic Pollutants during O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> Process. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3173-3180.	2.4	12
23	Oxidative coupling of various aromatic phenols and anilines in water using a laccase from <i>Trametes villosa</i> and insights into the "PEG effect". <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 21-32.	3.2	13
24	Reynolds Stress Anisotropy in Open-Channel Flow. <i>Journal of Hydraulic Engineering</i> , 2009, 135, 812-824.	1.5	13
25	Comparison of soybean peroxidase with laccase in the removal of phenol from synthetic and refinery wastewater samples. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 761-769.	3.2	64
26	Revisiting turbulence in smooth uniform open channel flow. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008, 46, 36-48.	1.7	38
27	Pilot-Scale Evaluation of Ozone vs. Peroxone for Trihalomethane Formation. <i>Ozone: Science and Engineering</i> , 2008, 30, 356-366.	2.5	25
28	Performance evaluation of fabric aided slow sand filter in drinking water treatment. <i>Journal of Environmental Engineering and Science</i> , 2007, 6, 703-712.	0.8	2
29	Improvement and Optimization of the A. H. Weeks Water Treatment Plant Processes, Windsor, ON, Canada. <i>Ozone: Science and Engineering</i> , 2004, 26, 125-140.	2.5	11
30	Windsor Combined Sewer Overflow Treatability Study with Chemical Coagulation. <i>Water Quality Research Journal of Canada</i> , 2003, 38, 317-334.	2.7	19
31	Prediction of gas-phase adsorption isotherms using neural nets. <i>Canadian Journal of Chemical Engineering</i> , 2002, 80, 506-512.	1.7	15
32	Prediction of Gas-Phase Adsorption Isotherms Using Neural Nets. <i>Canadian Journal of Chemical Engineering</i> , 2002, 80, 1-7.	1.7	15
33	Kinetic model-aided reactor design for peroxidase-catalyzed removal of phenol in the presence of polyethylene glycol. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 519-526.	3.2	22
34	Extraction of Elemental Sulfur from an Aqueous Suspension for Analysis by High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 1997, 69, 3119-3123.	6.5	26
35	Enzymatic removal of selected aromatic contaminants from wastewater by a fungal peroxidase from <i>Coprinus macrorhizus</i> in batch reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 1994, 61, 179-182.	3.2	58
36	Retention capacity of dry soils for NAPLs. <i>Environmental Technology (United Kingdom)</i> , 1993, 14, 1073-1080.	2.2	8

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37	Effectiveness of coagulation and flocculation processes in removal of selected volatile organic contaminants from wastewaters. <i>International Journal of Environmental Studies</i> , 1992, 40, 27-40.	1.6	7
38	Biocatalytic oligomerization of azoles; experimental and computational studies. <i>Environmental Science: Water Research and Technology</i> , 0, , .	2.4	1