Nihar Biswas

List of Publications by Year
in descending order

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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	A Short Review of Techniques for Phenol Removal from Wastewater. Current Pollution Reports, 2016, 2, 157-167.	6.6	503
2	Comparison of soybean peroxidase with laccase in the removal of phenol from synthetic and refinery wastewater samples. Journal of Chemical Technology and Biotechnology, 2009, 84, 761-769.	3.2	64
3	Enzymatic removal of selected aromatic contaminants from wastewater by a fungal peroxidase fromCoprinus macrorhizus in batch reactors. Journal of Chemical Technology and Biotechnology, 1994, 61, 179-182.	3.2	58
4	Averting an Outbreak of SARS-CoV-2 in a University Residence Hall through Wastewater Surveillance. Microbiology Spectrum, 2021, 9, e0079221.	3.0	47
5	Revisiting turbulence in smooth uniform open channel flow. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 36-48.	1.7	38
6	Crude soybean hull peroxidase treatment of phenol in synthetic and real wastewater: Enzyme economy enhanced by Triton X-100. Enzyme and Microbial Technology, 2014, 55, 65-71.	3.2	34
7	Soybean peroxidase for industrial wastewater treatment: a mini review. Journal of Environmental Engineering and Science, 2014, 9, 181-186.	0.8	32
8	A review of infrastructure challenges: assessing stormwater system sustainability. Canadian Journal of Civil Engineering, 2014, 41, 483-492.	1.3	27
9	Extraction of Elemental Sulfur from an Aqueous Suspension for Analysis by High-Performance Liquid Chromatography. Analytical Chemistry, 1997, 69, 3119-3123.	6.5	26
10	A simple lab-scale extraction of soybean hull peroxidase shows wide variation among cultivars. Industrial Crops and Products, 2013, 48, 13-18.	5.2	26
11	Soybean peroxidase trapped in product precipitate during phenol polymerization retains activity and may be recycled. Journal of Chemical Technology and Biotechnology, 2013, 88, 1429-1435.	3.2	26
12	Pilot-Scale Evaluation of Ozone vs. Peroxone for Trihalomethane Formation. Ozone: Science and Engineering, 2008, 30, 356-366.	2.5	25
13	A Survey of Occurrence and Risk Assessment of Pharmaceutical Substances in the Great Lakes Basin. Ozone: Science and Engineering, 2013, 35, 249-262.	2.5	24
14	Bromate Formation in Ozone and Advanced Oxidation Processes. Ozone: Science and Engineering, 2012, 34, 325-333.	2.5	23
15	Kinetic model-aided reactor design for peroxidase-catalyzed removal of phenol in the presence of polyethylene glycol. Journal of Chemical Technology and Biotechnology, 1999, 74, 519-526.	3.2	22
16	Windsor Combined Sewer Overflow Treatability Study with Chemical Coagulation. Water Quality Research Journal of Canada, 2003, 38, 317-334.	2.7	19
17	Prediction of gasâ€phase adsorption isotherms using neural nets. Canadian Journal of Chemical Engineering, 2002, 80, 506-512.	1.7	15
18	Prediction of Gasâ€Phase Adsorption Isotherms Using Neural Nets. Canadian Journal of Chemical Engineering, 2002, 80, 1-7.	1.7	15

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19	Removal of Selected Pharmaceuticals and Personal Care Products from Wastewater using Soybean Peroxidase. Environmental Management, 2019, 63, 408-415.	2.7	15
20	Reaction Kinetics of Ozone with Selected Pharmaceuticals and Their Removal Potential from a Secondary Treated Municipal Wastewater Effluent in the Great Lakes Basin. Ozone: Science and Engineering, 2015, 37, 36-44.	2.5	14
21	Reynolds Stress Anisotropy in Open-Channel Flow. Journal of Hydraulic Engineering, 2009, 135, 812-824.	1.5	13
22	Oxidative coupling of various aromatic phenols and anilines in water using a laccase from Trametes villosa and insights into the â€˜PEG effectâ€™. Journal of Chemical Technology and Biotechnology, 2012, 87, 21-32.	3.2	13
23	Evaluation of the Reactivity of Organic Pollutants during O3/H2O2 Process. Water, Air, and Soil Pollution, 2012, 223, 3173-3180.	2.4	12
24	Improvement and Optimization of the A. H. Weeks Water Treatment Plant Processes, Windsor, ON, Canada. Ozone: Science and Engineering, 2004, 26, 125-140.	2.5	11
25	Retention capacity of dry soils for NAPLs. Environmental Technology (United Kingdom), 1993, 14, 1073-1080.	2.2	8
26	Effectiveness of coagulation and flocculation processes in removal of selected volatile organic contaminants from wastewaters. International Journal of Environmental Studies, 1992, 40, 27-40.	1.6	7
27	Soybean Peroxidase-Catalyzed Treatment of Azo Dyes with or without FeÂ° Pretreatment. Water Environment Research, 2018, 90, 675-684.	2.7	7
28	Soybean Peroxidase Catalyzed Decoloration of Acid Azo Dyes. Journal of Health and Pollution, 2020, 10, 200307.	1.8	7
29	Effects of Bell Speed and Flow Rate on Evaporation of Water Spray from a Rotary Bell Atomizer. Coatings, 2015, 5, 186-194.	2.6	6
30	Inhibition of anaerobic biological sulfate reduction process by copper precipitates. Chemosphere, 2019, 236, 124246.	8.2	6
31	Soybean peroxidaseâ€catalyzed degradation of a sulfonated dye and its azoâ€cleavage product. Journal of Chemical Technology and Biotechnology, 2021, 96, 423-430.	3.2	6
32	Managing for Change: Integrating Functionality, Resiliency, and Sustainability for Stormwater Infrastructure Assessment. Journal of Infrastructure Systems, 2018, 24, .	1.8	4
33	Performance evaluation of fabric aided slow sand filter in drinking water treatment. Journal of Environmental Engineering and Science, 2007, 6, 703-712.	0.8	2
34	Sorption properties of peroxidase-catalysed polyphenolic resin enable aromaticsâ€™ capture. Journal of Environmental Engineering and Science, 2019, 14, 90-96.	0.8	1
35	Biocatalytic oligomerization of azoles; experimental and computational studies. Environmental Science: Water Research and Technology, 0, , .	2.4	1
36	Elimination of selected heterocyclic aromatic emerging contaminants from water using soybean peroxidase. Environmental Science and Pollution Research, 2021, 28, 37570-37579.	5.3	1

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37	Inhibitory Effect of Metal Precipitation on Anaerobic Biological Sulfate Reduction Process. Proceedings of the Water Environment Federation, 2015, 2015, 5179-5192.	0.0	0
38	Usage of Oleic and Stearic Acids in Mixed Anaerobic Culture for Sulfate Reduction While Inhibiting Methanogenesis. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	0