

# Prabir Ghosh

## List of Publications by Year in descending order

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38  
papers

441  
citations

840119

11  
h-index

752256

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of COD and removal of Zn <sup>2+</sup> from rayon industry wastewater by combined electro-Fenton treatment and chemical precipitation. <i>Desalination</i> , 2011, 266, 213-217.	4.0	131
2	Heterogeneous Fenton degradation of oxalic acid by using silica supported iron catalysts prepared from raw rice husk. <i>Journal of Water Process Engineering</i> , 2017, 19, 156-163.	2.6	31
3	Removal of Organic Compounds Found in the Wastewater through Electrochemical Advanced Oxidation Processes: A Review. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 591-620.	0.3	31
4	Electro-Fenton treatment of synthetic organic dyes: Influence of operational parameters and kinetic study. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1203-1210.	1.2	24
5	COD reduction of petrochemical industry wastewater using Fenton's oxidation. <i>Canadian Journal of Chemical Engineering</i> , 2010, 88, 1021-1026.	0.9	21
6	Comparison of a new immobilized Fe <sup>3+</sup> catalyst with homogeneous Fe <sup>3+</sup> –H <sub>2</sub> O <sub>2</sub> system for degradation of 2,4-dinitrophenol. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 914-923.	1.6	20
7	A Review Paper on Heterogeneous Fenton Catalyst: Types of Preparation, Modification Techniques, Factors Affecting the Synthesis, Characterization, and Application in the Wastewater Treatment. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 1-34.	0.5	18
8	Optimization of kraft lignin decolorization and degradation by bacterial strain <i>Bacillus velezensis</i> using response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104270.	3.3	15
9	Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by H <sub>2</sub> O <sub>2</sub> /Fe(II) system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 395-399.	0.9	14
10	Hydrodynamics, mass and heat transfer study for emerging heterogeneous Fenton process in multiphase fluidized-bed reactor system for wastewater treatment – A review. <i>Chemical Engineering Research and Design</i> , 2021, 171, 48-62.	2.7	14
11	Taguchi optimization of COD removal by heterogeneous Fenton process using copper ferro spinel catalyst in a fixed bed reactor – RTD, kinetic and thermodynamic study. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102859.	3.3	12
12	Decolorization of diazo dye trypan blue by electrochemical oxidation: Kinetics with a model based on the Fermi's equation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102792.	3.3	10
13	Performance Evaluation of Modified Black Clay as a Heterogeneous Fenton Catalyst on Decolorization of Azure B Dye: Kinetic Study and Cost Evaluation. <i>Transactions of Tianjin University</i> , 2019, 25, 527-539.	3.3	9
14	Degradation of mixed dye via heterogeneous Fenton process: Studies of calcination, toxicity evaluation, and kinetics. <i>Water Environment Research</i> , 2020, 92, 211-221.	1.3	8
15	Hybrid Fenton Oxidation Processes with Packed Bed or Fluidized Bed Reactor for the Treatment of Organic Pollutants in Wastewater: A Review. <i>Environmental Engineering Science</i> , 2021, 38, 443-457.	0.8	8
16	Green synthesized Ag-TiO <sub>2</sub> for degradation of organic dye through visible light driven photo-reactor and its kinetics. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 893-900.	0.6	8
17	Synthesis of proton exchange membranes for dual-chambered microbial fuel cells. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 611-623.	0.4	8
18	Fixed Bed Reactor for Removal of Methylene Blue Dye Using Heterogeneous Fenton Catalyst. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	7

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19	Decolorization of textile dye Rifafix Red 3BN by natural hematite and a comparative study on different types of Fenton process. <i>Chemical Engineering Communications</i> , 2020, 207, 1380-1389.	1.5	6
20	Dataset on the electrical energy consumption and its conservation in the cement manufacturing industry. <i>Data in Brief</i> , 2020, 28, 104967.	0.5	6
21	Decontamination of tannery industry wastewater containing high organic load along with Cr <sup>3+</sup> : a comparative study. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 645-656.	0.8	5
22	Modeling and optimization data analysis on photocatalytic decolourization of amido black 10B using ZnO catalyst. <i>Data in Brief</i> , 2019, 25, 104106.	0.5	5
23	Poly(Vinyl Alcohol)-Bonded Carbon Electrodes for Desalination of Brackish Water Using Capacitive Deionization. <i>Journal of the Institution of Engineers (India): Series E</i> , 2020, 101, 125-131.	0.5	4
24	Photodegradation of aqueous eosin yellow dye by carbon-doped TiO <sub>2</sub> photocatalyst. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 597, 012010.	0.2	4
25	Electrocoagulation process to remove contaminants of coking wastewater using aluminum electrode. , 0, 86, 68-79.		4
26	Decoloration of Orange G by Mineral Hematite Catalyzed Fenton-Like Process. <i>Environmental Engineering Science</i> , 2016, 33, e1004-e1014.	0.8	3
27	Degradation of 4-nitrophenol (4-NP) using Fe-loaded fly ash brick clay as a heterogeneous Fenton catalyst. , 0, 95, 170-179.		3
28	Desirability Analysis of Multiple Responses for Electrocoagulation Remediation of Paper Mill Wastewater by Using a Central Composite Design. <i>Journal of the Institution of Engineers (India): Series E</i> , 2021, 102, 115-125.	0.5	2
29	Kinetics of catalytic treatment of coking wastewater (COD, phenol and cyanide) using wet air oxidation. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 325-341.	0.6	2
30	Catalytic thermolysis at atmospheric pressure followed by adsorption in treatment of coking wastewater. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 627-639.	0.6	2
31	Electrochemical Oxidation of Direct Blue 14 in Aqueous Phase: Experimental and Kinetic Studies. <i>Surface Engineering and Applied Electrochemistry</i> , 2020, 56, 282-288.	0.3	1
32	Degradation of trypan blue dye using neutralized red mud in circulating fluidized bed reactor and its kinetics study. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 873-879.	0.6	1
33	The remediation of textile wastewater using solid Bauxite Residue waste as a potential Fenton catalyst in the fluidized bed Fenton process. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 881-891.	0.6	1
34	Fenton and Fenton-like processes for improving the dewaterability of refractory organic compounds. , 2021, , 555-580.		1
35	Degradation of Phenol Using Batch-Fluidization Process by Transition Metal Impregnated Red Mud as Modified Catalyst in Heterogeneous Fenton Process. <i>Lecture Notes in Civil Engineering</i> , 2021, , 129-134.	0.3	1
36	Biodegradation of acid red 3BN dye in sequential batch reactor: parameters and kinetics studies. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 599-608.	0.6	1

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37	Application of biological and advanced oxidation processes (AOPs) for the remediation of wastewater laden with toxic pollutants. , 2020, , 101-138.		0
38	Activated sludge bio-aerobic process to treat sugar industry effluent. International Journal of Chemical Reactor Engineering, 2022, .	0.6	0