

Prangya Ranjan Rout

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,041
citations

516215

16
h-index

642321

23
g-index

29
all docs

29
docs citations

29
times ranked

816
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advancements in Microalgal Mediated Valorisation of Wastewater from Hydrothermal Liquefaction of Biomass. <i>Bioenergy Research</i> , 2023, 16, 45-60.	2.2	13
2	A critical review on biogas production from edible and non-edible oil cakes. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 949-966.	2.9	26
3	Cellulose and extracellular polymer recovery from sludge. , 2022, , 395-404.		3
4	Water reclamation, recycle, and reuse. , 2022, , 39-50.		3
5	Sustainable utilization of food waste for bioenergy production: A step towards circular bioeconomy. <i>International Journal of Food Microbiology</i> , 2022, 365, 109538.	2.1	49
6	The Role of Civil Engineering in Achieving UN Sustainable Development Goals. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2022, , 373-389.	0.3	0
7	Circular bioeconomy perspective of agro-waste-based biochar. , 2022, , 223-243.		1
8	Micro- and nanoplastics removal mechanisms in wastewater treatment plants: A review. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100070.	1.2	26
9	The applicability of anaerobically treated domestic wastewater as a nutrient medium in hydroponic lettuce cultivation: Nitrogen toxicity and health risk assessment. <i>Science of the Total Environment</i> , 2021, 780, 146482.	3.9	34
10	Nutrient removal from domestic wastewater: A comprehensive review on conventional and advanced technologies. <i>Journal of Environmental Management</i> , 2021, 296, 113246.	3.8	99
11	Comparison between a single unit bioreactor and an integrated bioreactor for nutrient removal from domestic wastewater. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101620.	1.7	5
12	Insight into a Waste Material-Based Bioreactor for Nutrient Removal from Domestic Wastewater. <i>Lecture Notes in Civil Engineering</i> , 2020, , 397-407.	0.3	1
13	A brief review of anaerobic membrane bioreactors emphasizing recent advancements, fouling issues and future perspectives. <i>Journal of Environmental Management</i> , 2020, 270, 110909.	3.8	101
14	Process optimization and energy analysis of vacuum degasifier systems for the simultaneous removal of dissolved methane and hydrogen sulfide from anaerobically treated wastewater. <i>Water Research</i> , 2020, 182, 115965.	5.3	36
15	Removal of Textile Dyes from Aqueous Solutions by Dolochar: Equilibrium, Kinetic, and Thermodynamic Studies. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	6
16	Microbial Electrochemical Systems (MESs): Promising Alternatives for Energy Sustainability. <i>Handbook of Environmental Chemistry</i> , 2020, , 223-251.	0.2	4
17	Effects of sodium hypochlorite concentration on the methanogenic activity in an anaerobic fluidized membrane bioreactor. <i>Science of the Total Environment</i> , 2019, 678, 85-93.	3.9	31
18	Role of <i>Bacillus cereus</i> GS-5 strain on simultaneous nitrogen and phosphorous removal from domestic wastewater in an inventive single unit multi-layer packed bed bioreactor. <i>Bioresource Technology</i> , 2018, 262, 251-260.	4.8	35

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19	Evaluation of kinetic and statistical models for predicting breakthrough curves of phosphate removal using dolochar-packed columns. <i>Journal of Water Process Engineering</i> , 2017, 17, 168-180.	2.6	62
20	Assessing Possible Applications of Waste Organic Solid Substances as Carbon Sources and Biofilm Substrates for Elimination of Nitrate Toxicity from Wastewater. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	1.2	17
21	Simultaneous removal of nitrogen and phosphorous from domestic wastewater using <i>Bacillus cereus</i> GS-5 strain exhibiting heterotrophic nitrification, aerobic denitrification and denitrifying phosphorous removal. <i>Bioresource Technology</i> , 2017, 244, 484-495.	4.8	204
22	Response Surface Optimization of Phosphate Removal from Aqueous Solution Using a Natural Adsorbent. , 2017, , 93-104.		13
23	Development of an integrated system for the treatment of rural domestic wastewater: emphasis on nutrient removal. <i>RSC Advances</i> , 2016, 6, 49236-49249.	1.7	24
24	Nutrient removal from binary aqueous phase by dolochar: Highlighting optimization, single and binary adsorption isotherms and nutrient release. <i>Chemical Engineering Research and Design</i> , 2016, 100, 91-107.	2.7	39
25	A mechanistic approach to evaluate the effectiveness of red soil as a natural adsorbent for phosphate removal from wastewater. <i>Desalination and Water Treatment</i> , 2015, 54, 358-373.	1.0	55
26	Effective utilization of a sponge iron industry by-product for phosphate removal from aqueous solution: A statistical and kinetic modelling approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 46, 98-108.	2.7	55
27	Characterizing Novel Thermophilic Amylase Producing Bacteria From Taptapani Hot Spring, Odisha, India. <i>Jundishapur Journal of Microbiology</i> , 2014, 7, e11800.	0.2	17
28	Modeling isotherms, kinetics and understanding the mechanism of phosphate adsorption onto a solid waste: Ground burnt patties. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1331-1342.	3.3	82