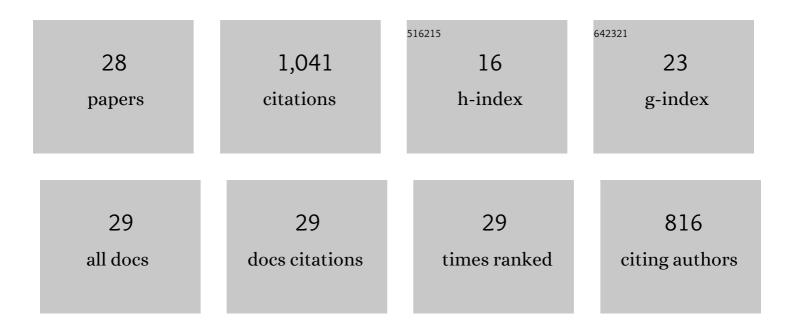
Prangya Ranjan Rout

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recent Advancements in Microalgal Mediated Valorisation of Wastewater from Hydrothermal Liquefaction of Biomass. Bioenergy Research, 2023, 16, 45-60.	2.2	13
2	A critical review on biogas production from edible and non-edible oil cakes. Biomass Conversion and Biorefinery, 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. International Journal of Food Microbiology, 2022, 365, 109538.	2.1	49
6	The Role of Civil Engineering in Achieving UN Sustainable Development Goals. Springer Transactions in Civil and Environmental Engineering, 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. Journal of Hazardous Materials Advances, 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. Science of the Total Environment, 2021, 780, 146482.	3.9	34
10	Nutrient removal from domestic wastewater: A comprehensive review on conventional and advanced technologies. Journal of Environmental Management, 2021, 296, 113246.	3.8	99
11	Comparison between a single unit bioreactor and an integrated bioreactor for nutrient removal from domestic wastewater. Sustainable Energy Technologies and Assessments, 2021, 48, 101620.	1.7	5
12	Insight into a Waste Material-Based Bioreactor for Nutrient Removal from Domestic Wastewater. Lecture Notes in Civil Engineering, 2020, , 397-407.	0.3	1
13	A brief review of anaerobic membrane bioreactors emphasizing recent advancements, fouling issues and future perspectives. Journal of Environmental Management, 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. Water Research, 2020, 182, 115965.	5.3	36
15	Removal of Textile Dyes from Aqueous Solutions by Dolochar: Equilibrium, Kinetic, and Thermodynamic Studies. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	6
16	Microbial Electrochemical Systems (MESs): Promising Alternatives for Energy Sustainability. Handbook of Environmental Chemistry, 2020, , 223-251.	0.2	4
17	Effects of sodium hypochlorite concentration on the methanogenic activity in an anaerobic fluidized membrane bioreactor. Science of the Total Environment, 2019, 678, 85-93.	3.9	31
18	Role of Bacillus cereus GS-5 strain on simultaneous nitrogen and phosphorous removal from domestic wastewater in an inventive single unit multi-layer packed bed bioreactor. Bioresource Technology, 2018, 262, 251-260.	4.8	35

#	Article	IF	CITATIONS
19	Evaluation of kinetic and statistical models for predicting breakthrough curves of phosphate removal using dolochar-packed columns. Journal of Water Process Engineering, 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. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	1.2	17
21	Simultaneous removal of nitrogen and phosphorous from domestic wastewater using Bacillus cereus GS-5 strain exhibiting heterotrophic nitrification, aerobic denitrification and denitrifying phosphorous removal. Bioresource Technology, 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. RSC Advances, 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. Chemical Engineering Research and Design, 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. Desalination and Water Treatment, 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. Journal of the Taiwan Institute of Chemical Engineers, 2015, 46, 98-108.	2.7	55
27	Characterizing Novel Thermophilic Amylase Producing Bacteria From Taptapani Hot Spring, Odisha, India. Jundishapur Journal of Microbiology, 2014, 7, e11800.	0.2	17
28	Modeling isotherms, kinetics and understanding the mechanism of phosphate adsorption onto a solid waste: Ground burnt patties. Journal of Environmental Chemical Engineering, 2014, 2, 1331-1342.	3.3	82