

Pritha Chatterjee

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

611
citations

567144

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h-index

610775

24
g-index

30
all docs

30
docs citations

30
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of CO ₂ and CO emissions from auto-rickshaws in Indian heterogeneous traffic. Transportation Research, Part D: Transport and Environment, 2022, 104, 103202.	3.2	7
2	Production of microalgae on source-separated human urine. , 2022, , 949-978.		1
3	Microbial electrosynthesis: Towards sustainable biorefineries for production of green chemicals from CO ₂ emissions. Biotechnology Advances, 2021, 46, 107675.	6.0	110
4	Microbial electrosynthesis: Recovery of high-value volatile fatty acids from CO ₂ . , 2021, , 123-142.		3
5	Impact of lockdown associated with COVID19 on air quality and emissions from transportation sector: case study in selected Indian metropolitan cities. Environment Systems and Decisions, 2021, 41, 401-412.	1.9	20
6	Development of E-rickshaw driving cycle (ERDC) based on micro-trip segments using random selection and K-means clustering techniques. IATSS Research, 2021, 45, 551-560.	1.8	12
7	Bio-hydrogen Production from Sewage Sludge: Screening for Pretreatments and Semi-continuous Reactor Operation. Waste and Biomass Valorization, 2020, 11, 4225-4234.	1.8	20
8	Biogas Production from Partially Digested Septic Tank Sludge and its Kinetics. Waste and Biomass Valorization, 2019, 10, 387.	1.8	5
9	Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells. Bioresource Technology, 2019, 294, 122115.	4.8	41
10	Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell. Chemical Engineering Journal, 2019, 372, 141-150.	6.6	33
11	Selective enrichment of biocatalysts for bioelectrochemical systems: A critical review. Renewable and Sustainable Energy Reviews, 2019, 109, 10-23.	8.2	74
12	Microalgae grow on source separated human urine in Nordic climate: Outdoor pilot-scale cultivation. Journal of Environmental Management, 2019, 237, 119-127.	3.8	19
13	New Age of Wastewater Treatment Employing Bio-electrochemical Systems. Energy, Environment, and Sustainability, 2018, , 155-170.	0.6	1
14	Increasing methane content in biogas and simultaneous value added product recovery using microbial electrosynthesis. Water Science and Technology, 2018, 77, 1293-1302.	1.2	43
15	Sludge granulation in an UASBâ€moving bed biofilm hybrid reactor for efficient organic matter removal and nitrogen removal in biofilm reactor. Environmental Technology (United Kingdom), 2018, 39, 298-307.	1.2	4
16	Remediation of sedimented fiber originating from pulp and paper industry: Laboratory scale anaerobic reactor studies and ideas of scaling up. Water Research, 2018, 143, 209-217.	5.3	12
17	Water Pollutants Classification and Its Effects on Environment. Carbon Nanostructures, 2018, , 11-26.	0.1	19
18	Low-Cost Solutions for Fabrication of Microbial Fuel Cells: Ceramic Separator and Electrode Modifications. , 2018, , 95-124.		4

#	ARTICLE	IF	CITATIONS
19	A BRIEF REVIEW ON RECENT ADVANCES IN AIR-CATHODE MICROBIAL FUEL CELLS. Environmental Engineering and Management Journal, 2018, 17, 1531-1544.	0.2	11
20	Disinfection of secondary treated sewage using chitosan beads coated with ZnO - Ag nanoparticles to facilitate reuse of treated water. Journal of Chemical Technology and Biotechnology, 2017, 92, 2334-2341.	1.6	16
21	Biotic conversion of sulphate to sulphide and abiotic conversion of sulphide to sulphur in a microbial fuel cell using cobalt oxide octahedrons as cathode catalyst. Bioprocess and Biosystems Engineering, 2017, 40, 759-768.	1.7	19
22	A Basic Overview of Fuel Cells: Thermodynamics and Cell Efficiency. , 2017, , 193-217.		0
23	A Systematic Review on Bioelectrochemical Systems Research. Current Pollution Reports, 2017, 3, 281-288.	3.1	19
24	Biomass granulation in an upflow anaerobic sludge blanket reactor treating 500 m ³ /day low-strength sewage and post treatment in high-rate algal pond. Water Science and Technology, 2017, 76, 1234-1242.	1.2	4
25	Fouling resistant nitrogen doped carbon powder with amino-tri-methylene-phosphate cathode for microbial fuel cell. Materials for Renewable and Sustainable Energy, 2017, 6, 1.	1.5	4
26	Organic matter and nitrogen removal in a hybrid upflow anaerobic sludge blanketâ€”Moving bed biofilm and rope bed biofilm reactor. Journal of Environmental Chemical Engineering, 2016, 4, 3240-3245.	3.3	15
27	Development of anammox process for removal of nitrogen from wastewater in a novel self-sustainable biofilm reactor. Bioresource Technology, 2016, 218, 723-730.	4.8	21
28	Low efficiency of sewage treatment plants due to unskilled operations in India. Environmental Chemistry Letters, 2016, 14, 407-416.	8.3	15
29	Preparation of a fouling-resistant sustainable cathode for a single-chambered microbial fuel cell. Water Science and Technology, 2014, 69, 634-639.	1.2	27
30	Design of Clayware Separator-Electrode Assembly for Treatment of Wastewater in Microbial Fuel Cells. Applied Biochemistry and Biotechnology, 2014, 173, 378-390.	1.4	32