

# Pritha Chatterjee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6218812/publications.pdf>

Version: 2024-02-01

30  
papers

611  
citations

567144

15  
h-index

610775

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial electrosynthesis: Towards sustainable biorefineries for production of green chemicals from CO <sub>2</sub> emissions. <i>Biotechnology Advances</i> , 2021, 46, 107675.	6.0	110
2	Selective enrichment of biocatalysts for bioelectrochemical systems: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 10-23.	8.2	74
3	Increasing methane content in biogas and simultaneous value added product recovery using microbial electrosynthesis. <i>Water Science and Technology</i> , 2018, 77, 1293-1302.	1.2	43
4	Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells. <i>Bioresource Technology</i> , 2019, 294, 122115.	4.8	41
5	Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell. <i>Chemical Engineering Journal</i> , 2019, 372, 141-150.	6.6	33
6	Design of Clayware Separator-Electrode Assembly for Treatment of Wastewater in Microbial Fuel Cells. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 378-390.	1.4	32
7	Preparation of a fouling-resistant sustainable cathode for a single-chambered microbial fuel cell. <i>Water Science and Technology</i> , 2014, 69, 634-639.	1.2	27
8	Development of anammox process for removal of nitrogen from wastewater in a novel self-sustainable biofilm reactor. <i>Bioresource Technology</i> , 2016, 218, 723-730.	4.8	21
9	Bio-hydrogen Production from Sewage Sludge: Screening for Pretreatments and Semi-continuous Reactor Operation. <i>Waste and Biomass Valorization</i> , 2020, 11, 4225-4234.	1.8	20
10	Impact of lockdown associated with COVID19 on air quality and emissions from transportation sector: case study in selected Indian metropolitan cities. <i>Environment Systems and Decisions</i> , 2021, 41, 401-412.	1.9	20
11	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. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 759-768.	1.7	19
12	A Systematic Review on Bioelectrochemical Systems Research. <i>Current Pollution Reports</i> , 2017, 3, 281-288.	3.1	19
13	Water Pollutants Classification and Its Effects on Environment. <i>Carbon Nanostructures</i> , 2018, , 11-26.	0.1	19
14	Microalgae grow on source separated human urine in Nordic climate: Outdoor pilot-scale cultivation. <i>Journal of Environmental Management</i> , 2019, 237, 119-127.	3.8	19
15	Disinfection of secondary treated sewage using chitosan beads coated with ZnO@Ag nanoparticles to facilitate reuse of treated water. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2334-2341.	1.6	16
16	Organic matter and nitrogen removal in a hybrid upflow anaerobic sludge blanket "Moving bed biofilm and rope bed biofilm reactor. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3240-3245.	3.3	15
17	Low efficiency of sewage treatment plants due to unskilled operations in India. <i>Environmental Chemistry Letters</i> , 2016, 14, 407-416.	8.3	15
18	Remediation of sedimented fiber originating from pulp and paper industry: Laboratory scale anaerobic reactor studies and ideas of scaling up. <i>Water Research</i> , 2018, 143, 209-217.	5.3	12

#	ARTICLE	IF	CITATIONS
19	Development of E-rickshaw driving cycle (ERDC) based on micro-trip segments using random selection and K-means clustering techniques. <i>IATSS Research</i> , 2021, 45, 551-560.	1.8	12
20	A BRIEF REVIEW ON RECENT ADVANCES IN AIR-CATHODE MICROBIAL FUEL CELLS. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 1531-1544.	0.2	11
21	Estimation of CO <sub>2</sub> and CO emissions from auto-rickshaws in Indian heterogeneous traffic. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 104, 103202.	3.2	7
22	Biogas Production from Partially Digested Septic Tank Sludge and its Kinetics. <i>Waste and Biomass Valorization</i> , 2019, 10, 387.	1.8	5
23	Biomass granulation in an upflow anaerobic sludge blanket reactor treating 500 m <sup>3</sup> /day low-strength sewage and post treatment in high-rate algal pond. <i>Water Science and Technology</i> , 2017, 76, 1234-1242.	1.2	4
24	Fouling resistant nitrogen doped carbon powder with amino-tri-methylene-phosphate cathode for microbial fuel cell. <i>Materials for Renewable and Sustainable Energy</i> , 2017, 6, 1.	1.5	4
25	Sludge granulation in an UASB moving bed biofilm hybrid reactor for efficient organic matter removal and nitrogen removal in biofilm reactor. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 298-307.	1.2	4
26	Low-Cost Solutions for Fabrication of Microbial Fuel Cells: Ceramic Separator and Electrode Modifications. , 2018, , 95-124.		4
27	Microbial electrosynthesis: Recovery of high-value volatile fatty acids from CO <sub>2</sub> . , 2021, , 123-142.		3
28	New Age of Wastewater Treatment Employing Bio-electrochemical Systems. <i>Energy, Environment, and Sustainability</i> , 2018, , 155-170.	0.6	1
29	Production of microalgae on source-separated human urine. , 2022, , 949-978.		1
30	A Basic Overview of Fuel Cells: Thermodynamics and Cell Efficiency. , 2017, , 193-217.		0