

# Dipak Ashok Jadhav

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,683  
citations

218592

26  
h-index

377752

34  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective power management system in stacked microbial fuel cells for onsite applications. <i>Journal of Power Sources</i> , 2022, 517, 230684.	4.0	41
2	Effectiveness of constructed wetland integrated with microbial fuel cell for domestic wastewater treatment and to facilitate power generation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51117-51129.	2.7	9
3	Scalability of microbial electrochemical technologies: Applications and challenges. <i>Bioresource Technology</i> , 2022, 345, 126498.	4.8	46
4	Utilization of human waste and animal urine for energy and resource recovery in microbial electrochemical system. , 2022, , 419-435.		1
5	Addressing scale-up challenges and enhancement in performance of hydrogen-producing microbial electrolysis cell through electrode modifications. <i>Energy Reports</i> , 2022, 8, 2726-2746.	2.5	49
6	Effectiveness of biophotovoltaics system modified with fuller-clay composite separators for chromium removal. <i>Electrochimica Acta</i> , 2022, 426, 140714.	2.6	12
7	Impact of cathode biofouling in microbial fuel cells and mitigation techniques. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 43, 102408.	1.5	10
8	Modeling and optimization strategies towards performance enhancement of microbial fuel cells. <i>Bioresource Technology</i> , 2021, 320, 124256.	4.8	88
9	Advanced microbial fuel cell for biosensor applications to detect quality parameters of pollutants. , 2021, , 125-139.		6
10	E-waste derived material for microbial electrolysis cell: A perspective on synchronized waste management and energy recovery. , 2021, , 141-151.		0
11	Microbial electrosynthesis: Carbon dioxide sequestration via bioelectrochemical system. , 2021, , 113-132.		2
12	Microbial Electrochemical Heavy Metal Removal: Fundamental to the Recent Development. , 2021, , 521-542.		8
13	Blending of microbial inocula: An effective strategy for performance enhancement of clayware Biophotovoltaics microbial fuel cells. <i>Bioresource Technology</i> , 2021, 323, 124564.	4.8	37
14	Recent advancement in scaling-up applications of microbial fuel cells: From reality to practicability. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101226.	1.7	40
15	Recent Developments in Microbial Electrolysis Cell-Based Biohydrogen Production Utilizing Wastewater as a Feedstock. <i>Sustainability</i> , 2021, 13, 8796.	1.6	53
16	Agricultural Waste and Wastewater as Feedstock for Bioelectricity Generation Using Microbial Fuel Cells: Recent Advances. <i>Fermentation</i> , 2021, 7, 169.	1.4	72
17	Enhancement in Cathodic Redox Reactions of Single-Chambered Microbial Fuel Cells with Castor Oil-Emitted Powder as Cathode Material. <i>Materials</i> , 2021, 14, 4454.	1.3	6
18	Effect of membrane biofouling on the performance of microbial electrochemical cells and mitigation strategies. <i>Bioresource Technology Reports</i> , 2021, 15, 100822.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Physico-chemical and biological treatment strategies for converting municipal wastewater and its residue to resources. <i>Chemosphere</i> , 2021, 282, 130881.	4.2	38
20	Fungal-mediated electrochemical system: Prospects, applications and challenges. <i>Current Research in Microbial Sciences</i> , 2021, 2, 100041.	1.4	12
21	Bioelectrochemical systems for removal and recovery of heavy metals. , 2021, , 185-203.		3
22	Potential of microbial fuel cells for wastewater treatment. , 2021, , 115-124.		1
23	Valorisation of CO <sub>2</sub> into Value-Added Products via Microbial Electrosynthesis (MES) and Electro-Fermentation Technology. <i>Fermentation</i> , 2021, 7, 291.	1.4	35
24	Microbial Fuel Cell United with Other Existing Technologies for Enhanced Power Generation and Efficient Wastewater Treatment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10777.	1.3	18
25	A Comprehensive Understanding of Electro-Fermentation. <i>Fermentation</i> , 2020, 6, 92.	1.4	48
26	Moving towards practical applications of microbial fuel cells for sanitation and resource recovery. <i>Journal of Water Process Engineering</i> , 2020, 38, 101566.	2.6	85
27	Optimising the proportion of pure and mixed culture in inoculum to enhance the performance of microbial fuel cells. <i>International Journal of Environmental Technology and Management</i> , 2020, 23, 50.	0.1	31
28	Electrochemical Losses and Its Role in Power Generation of Microbial Fuel Cells. , 2020, , 81-118.		2
29	Optimising the proportion of pure and mixed culture in inoculum to enhance the performance of microbial fuel cells. <i>International Journal of Environmental Technology and Management</i> , 2020, 23, 50.	0.1	23
30	Application Niche of Microbial Fuel Cell as a Bio-energy Source for Sustainable Development. , 2020, , 21-42.		1
31	Microbial Carbon Capture Cell: Advanced Bio-electrochemical System for Wastewater Treatment, Electricity Generation and Algal Biomass Production. , 2019, , 317-338.		9
32	Suppressing methanogens and enriching electrogens in bioelectrochemical systems. <i>Bioresource Technology</i> , 2019, 277, 148-156.	4.8	88
33	Contaminant Removal and Energy Recovery in Microbial Fuel Cells. , 2019, , 76-94.		5
34	Recent Progress Towards Scaling Up of MFCs. , 2018, , 443-457.		7
35	Architectural adaptations of microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9419-9432.	1.7	57
36	Simultaneous Wastewater Treatment, Algal Biomass Production and Electricity Generation in Clayware Microbial Carbon Capture Cells. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 1076-1092.	1.4	54

#	ARTICLE	IF	CITATIONS
37	Enhancing the performance of single-chambered microbial fuel cell using manganese/palladium and zirconium/palladium composite cathode catalysts. <i>Bioresource Technology</i> , 2017, 238, 568-574.	4.8	48
38	Third generation in bio-electrochemical system research – A systematic review on mechanisms for recovery of valuable by-products from wastewater. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 1022-1031.	8.2	137
39	Wastewater treatment in pilot-scale microbial fuel cell using multielectrode assembly with ceramic separator suitable for field applications. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1809-1817.	1.3	56
40	Cow's urine as a yellow gold for bioelectricity generation in low cost clayware microbial fuel cell. <i>Energy</i> , 2016, 113, 76-84.	4.5	42
41	Improving performance of microbial fuel cell while controlling methanogenesis by <i>Chaetoceros</i> pretreatment of anodic inoculum. <i>Bioresource Technology</i> , 2015, 180, 66-71.	4.8	83
42	Enhancing waste activated sludge digestion and power production using hypochlorite as catholyte in clayware microbial fuel cell. <i>Bioresource Technology</i> , 2015, 182, 225-231.	4.8	55
43	Enhancing the power generation in microbial fuel cells with effective utilization of goethite recovered from mining mud as anodic catalyst. <i>Bioresource Technology</i> , 2015, 191, 110-116.	4.8	51
44	Effective ammonium removal by anaerobic oxidation in microbial fuel cells. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 767-775.	1.2	41
45	Comparison of oxygen and hypochlorite as cathodic electron acceptor in microbial fuel cells. <i>Bioresource Technology</i> , 2014, 154, 330-335.	4.8	88
46	Simultaneous organic matter removal and disinfection of wastewater with enhanced power generation in microbial fuel cell. <i>Bioresource Technology</i> , 2014, 163, 328-334.	4.8	63
47	Utilization and Management of Waste Derived Material for Sustainable Energy Production: A mini review. , 0, , .		0