Gourav Dhar Bhowmick

List of Publications by Year
in descending order

36	1,267	279701	360920
papers	citations	23 h-index	35 g-index

36	36	36	1118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coronavirus disease 2019 (COVID-19) outbreak: some serious consequences with urban and rural water cycle. Npj Clean Water, 2020, 3, .	3.1	118
2	Bismuth doped TiO2 as an excellent photocathode catalyst to enhance the performance of microbial fuel cell. International Journal of Hydrogen Energy, 2018, 43, 7501-7510.	3.8	96
3	A novel proton exchange membrane developed from clay and activated carbon derived from coconut shell for application in microbial fuel cell. Biochemical Engineering Journal, 2019, 148, 170-177.	1.8	79
4	Enhancement of bioelectricity generation and algal productivity in microbial carbon-capture cell using low cost coconut shell as membrane separator. Biochemical Engineering Journal, 2018, 133, 205-213.	1.8	63
5	ANAMMOX-denitrification biomass in microbial fuel cell to enhanceÂthe electricity generation and nitrogen removal efficiency. Biodegradation, 2020, 31, 249-264.	1.5	62
6	Novel multi walled carbon nanotube based nitrogen impregnated Co and Fe cathode catalysts for improved microbial fuel cell performance. International Journal of Hydrogen Energy, 2018, 43, 23027-23035.	3.8	58
7	Improved performance of microbial fuel cell by using conductive ink printed cathode containing Co3O4 or Fe3O4. Electrochimica Acta, 2019, 310, 173-183.	2.6	58
8	Start-Up of Anammox SBR from Non-Specific Inoculum and Process Acceleration Methods by Hydrazine. Water (Switzerland), 2021, 13, 350.	1.2	55
9	Synthesis of bimetallic iron ferrite Co0.5Zn0.5Fe2O4 as a superior catalyst for oxygen reduction reaction to replace noble metal catalysts in microbial fuel cell. International Journal of Hydrogen Energy, 2018, 43, 19196-19205.	3.8	54
10	Carbon Supported Cu-Sn Bimetallic Alloy as an Excellent Low-Cost Cathode Catalyst for Enhancing Oxygen Reduction Reaction in Microbial Fuel Cell. Journal of the Electrochemical Society, 2018, 165, F621-F628.	1.3	45
11	Using rhodium as a cathode catalyst for enhancing performance of microbial fuel cell. International Journal of Hydrogen Energy, 2019, 44, 22218-22222.	3.8	44
12	Synthesis and Characterization of Pd-Ni Bimetallic Nanoparticles as Efficient Adsorbent for the Removal of Acid Orange 8 Present in Wastewater. Water (Switzerland), 2021, 13, 1095.	1.2	42
13	Multi-walled carbon nanotube and carbide-derived carbon supported metal phthalocyanines as cathode catalysts for microbial fuel cell applications. Sustainable Energy and Fuels, 2019, 3, 3525-3537.	2.5	40
14	Synthesis of Tungstate Oxide/Bismuth Tungstate Composite and Application in Microbial Fuel Cell as Superior Low-Cost Cathode Catalyst than Platinum. Journal of the Electrochemical Society, 2018, 165, G146-G153.	1.3	34
15	SiOC-based polymer derived-ceramic porous anodes for microbial fuel cells. Biochemical Engineering Journal, 2019, 148, 29-36.	1.8	33
16	Improved Wastewater Treatment by Combined System of Microbial Fuel Cell with Activated Carbon/TiO2 Cathode Catalyst and Membrane Bioreactor. Journal of the Institution of Engineers (India): Series A, 2019, 100, 675-682.	0.6	32
17	Preparation of Activated Carbon from the Wood of Paulownia tomentosa as an Efficient Adsorbent for the Removal of Acid Red 4 and Methylene Blue Present in Wastewater. Water (Switzerland), 2021, 13, 1453.	1.2	32
18	Novel low-cost activated algal biochar as a cathode catalyst for improving performance of microbial fuel cell. Sustainable Energy Technologies and Assessments, 2020, 42, 100808.	1.7	31

#	Article	IF	Citations
19	Removal of sodium dodecyl sulphate from wastewater and its effect on anodic biofilm and performance of microbial fuel cell. International Biodeterioration and Biodegradation, 2021, 156, 105108.	1.9	30
20	Application of Low-Cost Cuâ€“Sn Bimetal Alloy as Oxygen Reduction Reaction Catalyst for Improving Performance of the Microbial Fuel Cell. MRS Advances, 2018, 3, 663-668.	0.5	28
21	Microbial fuel cell performance of graphitic carbon functionalized porous polysiloxane based ceramic membranes. Bioelectrochemistry, 2019, 129, 259-269.	2.4	27
22	Utilisation of waste medicine wrappers as an efficient low-cost electrode material for microbial fuel cell. Environmental Technology (United Kingdom), 2020, 41, 1209-1218.	1.2	26
23	Improving performance of microbial fuel cell by enhanced bacterial-anode interaction using sludge immobilized beads with activated carbon. Chemical Engineering Research and Design, 2020, 143, 285-292.	2.7	24
24	Preparation of Pdâ€“Ni Nanoparticles Supported on Activated Carbon for Efficient Removal of Basic Blue 3 from Water. Water (Switzerland), 2021, 13, 1211.	1.2	22
25	TiO2/Activated carbon photo cathode catalyst exposed to ultraviolet radiation to enhance the efficacy of integrated microbial fuel cell-membrane bioreactor. Bioresource Technology Reports, 2019, 7, 100303.	1.5	20
26	Surfactant removal from wastewater using photo-cathode microbial fuel cell and laterite-based hybrid treatment system. Bioprocess and Biosystems Engineering, 2020, 43, 2075-2084.	1.7	19
27	Tailoring hydrophilic and porous nature of polysiloxane derived ceramer and ceramic membranes for enhanced bioelectricity generation in microbial fuel cell. Ionics, 2019, 25, 5907-5918.	1.2	18
28	Effect of Using a Ceramic Separator on the Performance of Hydroponic Constructed Wetland-Microbial Fuel Cell. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	17
29	Application of Low-Cost Transition Metal Based Co0.5Zn0.5Fe2O4 as Oxygen Reduction Reaction Catalyst for Improving Performance of Microbial Fuel Cell. MRS Advances, 2018, 3, 3171-3179.	0.5	14
30	Improved Performance of Microbial Fuel Cell by In Situ Methanogenesis Suppression While Treating Fish Market Wastewater. Applied Biochemistry and Biotechnology, 2020, 192, 1060-1075.	1.4	13
31	TiO2-Si- or SrTiO3-Si-impregnated PVAâ€“based low-cost proton exchange membranes for application in microbial fuel cell. Ionics, 2020, 26, 6195-6205.	1.2	10
32	Anodic inoculum pre-treatment by extracts of Azadirachta indica leaves and Allium sativum peels for improved bioelectricity recovery from microbial fuel cell. International Journal of Hydrogen Energy, 2020, 45, 23391-23400.	3.8	8
33	Ultrafiltration membrane bioâ€fuel cell as an energyâ€efficient advanced wastewater treatment system. International Journal of Energy Research, 2022, 46, 20216-20227.	2.2	6
34	Enhancing the Performance of Microbial Fuel Cell by Using Chloroform Pre-treated Mixed Anaerobic Sludge to Control Methanogenesis in Anodic Chamber. Applied Biochemistry and Biotechnology, 2021, 193, 846-855.	1.4	4
35	Bismuth-Impregnated Ruthenium with Activated Carbon as Photocathode Catalyst to Proliferate the Efficacy of a Microbial Fuel Cell. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	1.2	4
36	Improved Wastewater Treatment by Using Integrated Microbial Fuel Cell-Membrane Bioreactor System Along with Ruthenium/activated Carbon Cathode Catalyst to Enhance Bio-energy Recovery. Water Science and Technology Library, 2021, , 183-192.	0.2	1