

Gourav Dhar Bhowmick

List of Publications by Year in descending order

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36
papers

1,267
citations

279701

23
h-index

360920

35
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36
all docs

36
docs citations

36
times ranked

1118
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafiltration membrane bio-fuel cell as an energy-efficient advanced wastewater treatment system. International Journal of Energy Research, 2022, 46, 20216-20227.	2.2	6
2	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
3	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
4	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
5	Start-Up of Anammox SBR from Non-Specific Inoculum and Process Acceleration Methods by Hydrazine. Water (Switzerland), 2021, 13, 350.	1.2	55
6	Preparation of Pd-Ni Nanoparticles Supported on Activated Carbon for Efficient Removal of Basic Blue 3 from Water. Water (Switzerland), 2021, 13, 1211.	1.2	22
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	TiO ₂ -Si- or SrTiO ₃ -Si-impregnated PVA-based low-cost proton exchange membranes for application in microbial fuel cell. Ionics, 2020, 26, 6195-6205.	1.2	10
16	ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency. Biodegradation, 2020, 31, 249-264.	1.5	62
17	Coronavirus disease 2019 (COVID-19) outbreak: some serious consequences with urban and rural water cycle. Npj Clean Water, 2020, 3, .	3.1	118
18	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

#	ARTICLE	IF	CITATIONS
19	Effect of Using a Ceramic Separator on the Performance of Hydroponic Constructed Wetland-Microbial Fuel Cell. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	17
20	Using rhodium as a cathode catalyst for enhancing performance of microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22218-22222.	3.8	44
21	Tailoring hydrophilic and porous nature of polysiloxane derived ceramer and ceramic membranes for enhanced bioelectricity generation in microbial fuel cell. <i>Ionics</i> , 2019, 25, 5907-5918.	1.2	18
22	TiO ₂ /Activated carbon photo cathode catalyst exposed to ultraviolet radiation to enhance the efficacy of integrated microbial fuel cell-membrane bioreactor. <i>Bioresource Technology Reports</i> , 2019, 7, 100303.	1.5	20
23	Improved Wastewater Treatment by Combined System of Microbial Fuel Cell with Activated Carbon/TiO ₂ Cathode Catalyst and Membrane Bioreactor. <i>Journal of the Institution of Engineers (India): Series A</i> , 2019, 100, 675-682.	0.6	32
24	Microbial fuel cell performance of graphitic carbon functionalized porous polysiloxane based ceramic membranes. <i>Bioelectrochemistry</i> , 2019, 129, 259-269.	2.4	27
25	Improved performance of microbial fuel cell by using conductive ink printed cathode containing Co ₃ O ₄ or Fe ₃ O ₄ . <i>Electrochimica Acta</i> , 2019, 310, 173-183.	2.6	58
26	A novel proton exchange membrane developed from clay and activated carbon derived from coconut shell for application in microbial fuel cell. <i>Biochemical Engineering Journal</i> , 2019, 148, 170-177.	1.8	79
27	SiOC-based polymer derived-ceramic porous anodes for microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2019, 148, 29-36.	1.8	33
28	Multi-walled carbon nanotube and carbide-derived carbon supported metal phthalocyanines as cathode catalysts for microbial fuel cell applications. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3525-3537.	2.5	40
29	Enhancement of bioelectricity generation and algal productivity in microbial carbon-capture cell using low cost coconut shell as membrane separator. <i>Biochemical Engineering Journal</i> , 2018, 133, 205-213.	1.8	63
30	Application of Low-Cost Cu-Sn Bimetal Alloy as Oxygen Reduction Reaction Catalyst for Improving Performance of the Microbial Fuel Cell. <i>MRS Advances</i> , 2018, 3, 663-668.	0.5	28
31	Bismuth doped TiO ₂ as an excellent photocathode catalyst to enhance the performance of microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7501-7510.	3.8	96
32	Novel multi walled carbon nanotube based nitrogen impregnated Co and Fe cathode catalysts for improved microbial fuel cell performance. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 23027-23035.	3.8	58
33	Synthesis of Tungstate Oxide/Bismuth Tungstate Composite and Application in Microbial Fuel Cell as Superior Low-Cost Cathode Catalyst than Platinum. <i>Journal of the Electrochemical Society</i> , 2018, 165, G146-G153.	1.3	34
34	Synthesis of bimetallic iron ferrite Co _{0.5} Zn _{0.5} Fe ₂ O ₄ as a superior catalyst for oxygen reduction reaction to replace noble metal catalysts in microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19196-19205.	3.8	54
35	Application of Low-Cost Transition Metal Based Co _{0.5} Zn _{0.5} Fe ₂ O ₄ as Oxygen Reduction Reaction Catalyst for Improving Performance of Microbial Fuel Cell. <i>MRS Advances</i> , 2018, 3, 3171-3179.	0.5	14
36	Carbon Supported Cu-Sn Bimetallic Alloy as an Excellent Low-Cost Cathode Catalyst for Enhancing Oxygen Reduction Reaction in Microbial Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2018, 165, F621-F628.	1.3	45