

Waheed Miran

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,330
citations

361413

20
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

2894
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane dry reforming with CO ₂ over ceria supported Ni catalyst prepared by reverse microemulsion synthesis. <i>Fuel</i> , 2022, 317, 123433.	6.4	12
2	Current Production Capability of Drug-Resistant Pathogen Enables Its Rapid Label-Free Detection Applicable to Wastewater-Based Epidemiology. <i>Microorganisms</i> , 2022, 10, 472.	3.6	3
3	Carbamazepine biodegradation and volatile fatty acids production by selectively enriched sulfate-reducing bacteria and fermentative acidogenic bacteria. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 592-602.	3.2	7
4	MnCo ₂ O ₄ coated carbon felt anode for enhanced microbial fuel cell performance. <i>Chemosphere</i> , 2021, 265, 129098.	8.2	47
5	Nickel ferrite/MXene-coated carbon felt anodes for enhanced microbial fuel cell performance. <i>Chemosphere</i> , 2021, 268, 128784.	8.2	49
6	Pathogens electrogenicity as a tool for in-situ metabolic activity monitoring and drug assessment in biofilms. <i>IScience</i> , 2021, 24, 102068.	4.1	17
7	Biogenesis of Outer Membrane Vesicles Concentrates the Unsaturated Fatty Acid of Phosphatidylinositol in <i>Capnocytophaga ochracea</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 682685.	3.5	9
8	Enhanced product selectivity in the microbial electrosynthesis of butyrate using a nickel ferrite-coated biocathode. <i>Environmental Research</i> , 2021, 196, 110907.	7.5	23
9	MXene-coated biochar as potential biocathode for improved microbial electrosynthesis system. <i>Science of the Total Environment</i> , 2021, 773, 145677.	8.0	21
10	Advances in the Synthesis and Application of Anti-Fouling Membranes Using Two-Dimensional Nanomaterials. <i>Membranes</i> , 2021, 11, 605.	3.0	9
11	A novel MXene-coated biocathode for enhanced microbial electrosynthesis performance. <i>Chemical Engineering Journal</i> , 2020, 381, 122687.	12.7	63
12	Mechanism of Anaerobic Microbial Corrosion Suppression by Mild Negative Cathodic Polarization on Carbon Steel. <i>Environmental Science and Technology Letters</i> , 2020, 7, 690-694.	8.7	8
13	Metabolic Current Production by an Oral Biofilm Pathogen <i>Corynebacterium matruchotii</i> . <i>Molecules</i> , 2020, 25, 3141.	3.8	14
14	A Human Pathogen <i>Capnocytophaga Ochracea</i> Exhibits Current Producing Capability. <i>Electrochemistry</i> , 2020, 88, 224-229.	1.4	9
15	Selectively enriched mixed sulfate-reducing bacteria for acrylamide biodegradation. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4693-4702.	3.5	1
16	Microbial current production from <i>Streptococcus mutans</i> correlates with biofilm metabolic activity. <i>Biosensors and Bioelectronics</i> , 2020, 162, 112236.	10.1	25
17	Bioelectrochemical Systems: Principles and Applications. , 2020, , 1-33.		1
18	Investigating the role of anodic potential in the biodegradation of carbamazepine in bioelectrochemical systems. <i>Science of the Total Environment</i> , 2019, 688, 56-64.	8.0	20

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19	Amino-functionalized multi-walled carbon nanotubes for removal of cesium from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 691-701.	1.5	11
20	Biodegradation of the sulfonamide antibiotic sulfamethoxazole by sulfamethoxazole acclimatized cultures in microbial fuel cells. <i>Science of the Total Environment</i> , 2018, 627, 1058-1065.	8.0	103
21	Sulfate-reducing mixed communities with the ability to generate bioelectricity and degrade textile diazo dye in microbial fuel cells. <i>Journal of Hazardous Materials</i> , 2018, 352, 70-79.	12.4	69
22	Rice straw-based biochar beads for the removal of radioactive strontium from aqueous solution. <i>Science of the Total Environment</i> , 2018, 615, 698-707.	8.0	85
23	Mercuric ion capturing by recoverable titanium carbide magnetic nanocomposite. <i>Journal of Hazardous Materials</i> , 2018, 344, 811-818.	12.4	159
24	Biosynthesized Iron Sulfide Nanocluster Enhanced Anodic Current Generation by Sulfate Reducing Bacteria in Microbial Fuel Cells. <i>ChemElectroChem</i> , 2018, 5, 4015-4020.	3.4	11
25	Heterostructural TiO ₂ /Ti ₃ C ₂ T _x (MXene) for photocatalytic degradation of antiepileptic drug carbamazepine. <i>Chemical Engineering Journal</i> , 2018, 349, 748-755.	12.7	311
26	Photodegradation of microcystin-LR using graphene-TiO ₂ /sodium alginate aerogels. <i>Carbohydrate Polymers</i> , 2018, 199, 109-118.	10.2	56
27	Isolation and Characterization of Human Gut Bacteria Capable of Extracellular Electron Transport by Electrochemical Techniques. <i>Frontiers in Microbiology</i> , 2018, 9, 3267.	3.5	38
28	Stabilization of Pickering emulsion with surface-modified titanium dioxide for enhanced photocatalytic degradation of Direct Red 80. <i>Catalysis Today</i> , 2017, 282, 38-47.	4.4	25
29	Heavy metals removal by EDTA-functionalized chitosan graphene oxide nanocomposites. <i>RSC Advances</i> , 2017, 7, 9764-9771.	3.6	156
30	Chlorinated phenol treatment and in situ hydrogen peroxide production in a sulfate-reducing bacteria enriched bioelectrochemical system. <i>Water Research</i> , 2017, 117, 198-206.	11.3	56
31	Two-Dimensional Ti ₃ C ₂ T _x MXene Nanosheets for Efficient Copper Removal from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11481-11488.	6.7	319
32	Mixed sulfate-reducing bacteria-enriched microbial fuel cells for the treatment of wastewater containing copper. <i>Chemosphere</i> , 2017, 189, 134-142.	8.2	87
33	One-step hydrothermal synthesis of porous 3D reduced graphene oxide/TiO ₂ aerogel for carbamazepine photodegradation in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 85-95.	20.2	236
34	Effect of wastewater containing multi-walled carbon nanotubes on dual-chamber microbial fuel cell performance. <i>RSC Advances</i> , 2016, 6, 91314-91319.	3.6	7
35	Conversion of orange peel waste biomass to bioelectricity using a mediator-less microbial fuel cell. <i>Science of the Total Environment</i> , 2016, 547, 197-205.	8.0	104
36	Sustainable electricity generation by biodegradation of low-cost lemon peel biomass in a dual chamber microbial fuel cell. <i>International Biodeterioration and Biodegradation</i> , 2016, 106, 75-79.	3.9	58

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37	Simultaneous electricity production and Direct Red 80 degradation using a dual chamber microbial fuel cell. <i>Desalination and Water Treatment</i> , 2016, 57, 9051-9059.	1.0	19
38	Effect of toluene, an immiscible pollutant, on the photocatalytic degradation of azo dye. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 30, 10-13.	5.8	14
39	Microbial community structure in a dual chamber microbial fuel cell fed with brewery waste for azo dye degradation and electricity generation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13477-13485.	5.3	64
40	Simultaneous Electricity Generation and Sirius Red Azo Dye Degradation Using Brewery Wastewater as Carbon Source in a Microbial Fuel Cell. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2015, 10, 559-564.	0.5	1