Asim Ali Yaqoob

List of Publications by Year
in descending order

42	2,832	257450 24	377865 34
papers	citations	h-index	g-index

42	42	42	1702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scalability of biomass-derived graphene derivative materials as viable anode electrode for a commercialized microbial fuel cell: A systematic review. Chinese Journal of Chemical Engineering, 2023, 55, 277-292.	3.5	19
2	Utilization of lignocellulosic biomass: A practical journey towards the development of emulsifying agent. Talanta, 2022, 239, 123109.	5.5	9
3	Local fruit wastes driven benthic microbial fuel cell: a sustainable approach to toxic metal removal and bioelectricity generation. Environmental Science and Pollution Research, 2022, 29, 32913-32928.	5.3	34
4	Synthesis of metal oxideâ€“based nanocomposites for energy storage application. , 2022, , 611-635.		6
5	Utilizing Biomass-Based Graphene Oxideâ€“Polyanilineâ€“Ag Electrodes in Microbial Fuel Cells to Boost Energy Generation and Heavy Metal Removal. Polymers, 2022, 14, 845.	4.5	43
6	Utilization of biomass-derived electrodes: a journey toward the high performance of microbial fuel cells. Applied Water Science, 2022, 12, 1.	5.6	24
7	Exploring the effectiveness of microbial fuel cell for the degradation of organic pollutants coupled with bio-energy generation. Sustainable Energy Technologies and Assessments, 2022, 52, 102183.	2.7	13
8	Oxidation of food waste as an organic substrate in a single chamber microbial fuel cell to remove the pollutant with energy generation. Sustainable Energy Technologies and Assessments, 2022, 52, 102282.	2.7	8
9	Modified graphene oxide anode: A bioinspired waste material for bioremediation of Pb2+ with energy generation through microbial fuel cells. Chemical Engineering Journal, 2021, 417, 128052.	12.7	98
10	Chitosan-based nanocomposites for gene delivery: Application and future perspectives. , 2021, , 245-262.		0
11	Environmental applications of smart polymer composites. , 2021, , 295-312.		10
12	Introduction of smart polymer nanocomposites. , 2021, , 1-25.		11
13	Self-assembled oil palm biomass-derived modified graphene oxide anode: An efficient medium for energy transportation and bioremediating Cd (II) via microbial fuel cells. Arabian Journal of Chemistry, 2021, 14, 103121.	4.9	55
14	Application of microbial fuel cells energized by oil palm trunk sap (OPTS) to remove the toxic metal from synthetic wastewater with generation of electricity. Applied Nanoscience (Switzerland), 2021, 11, 1949-1961.	3.1	34
15	Thermal degradation and kinetics stability studies of oil palm (Elaeis Guineensis) biomass-derived lignin nanoparticle and its application as an emulsifying agent. Arabian Journal of Chemistry, 2021, 14, 103182.	4.9	27
16	Application of rotten rice as a substrate for bacterial species to generate energy and the removal of toxic metals from wastewater through microbial fuel cells. Environmental Science and Pollution Research, 2021, 28, 62816-62827.	5.3	42
17	Modern trend of anodes in microbial fuel cells (MFCs): An overview. Environmental Technology and Innovation, 2021, 23, 101579.	6.1	124
18	Electricity generation and heavy metal remediation by utilizing yam (Dioscorea alata) waste in benthic microbial fuel cells (BMFCs). Biochemical Engineering Journal, 2021, 172, 108067.	3.6	52

#	Article	IF	Citations
19	Application of oil palm lignocellulosic derived material as an efficient anode to boost the toxic metal remediation trend and energy generation through microbial fuel cells. Journal of Cleaner Production, 2021, 314, 128062.	9.3	39
20	Biomass-derived composite anode electrode: Synthesis, characterizations, and application in microbial fuel cells (MFCs). Journal of Environmental Chemical Engineering, 2021, 9, 106111.	6.7	48
21	Preparation, characterization, and application of modified carbonized lignin as an anode for sustainable microbial fuel cell. Chemical Engineering Research and Design, 2021, 155, 49-60.	5.6	30
22	Synthesis and characterization of GO-Ag nanocomposite for removal of malachite dye from aqueous solution. Materials Today: Proceedings, 2021, 47, 1359-1365.	1.8	22
23	Biomedical applications of smart polymer composites. , 2021, , 183-204.		6
24	Hybrid Nanocomposites Based on Graphene and Its Derivatives: From Preparation to Applications. Composites Science and Technology, 2021, , 261-281.	0.6	9
25	Toxicology and Environmental Application of Carbon Nanocomposite. Green Energy and Technology, 2021, , 1-18.	0.6	19
26	Graphene oxideâ€“ZnO nanocomposite: an efficient visible light photocatalyst for degradation of rhodamine B. Applied Nanoscience (Switzerland), 2021, 11, 1291-1302.	3.1	40
27	Cellulose Derived Graphene/Polyaniline Nanocomposite Anode for Energy Generation and Bioremediation of Toxic Metals via Benthic Microbial Fuel Cells. Polymers, 2021, 13, 135.	4.5	80
28	Development and modification of materials to build cost-effective anodes for microbial fuel cells (MFCs): An overview. Biochemical Engineering Journal, 2020, 164, 107779.	3.6	180
29	Preparation and characterization of nanosized lignin from oil palm (Elaeis guineensis) biomass as a novel emulsifying agent. International Journal of Biological Macromolecules, 2020, 164, 3114-3124.	7.5	42
30	Insights into the Current Trends in the Utilization of Bacteria for Microbially Induced Calcium Carbonate Precipitation. Materials, 2020, 13, 4993.	2.9	98
31	Outlook on the Role of Microbial Fuel Cells in Remediation of Environmental Pollutants with Electricity Generation. Catalysts, 2020, 10, 819.	3.5	99
32	Recent Advances in Anodes for Microbial Fuel Cells: An Overview. Materials, 2020, 13, 2078.	2.9	130
33	Synthesis of Ag@Polycarbazole Nanocomposite using Ferric Acetate as an Oxidant. Asian Journal of Chemistry, 2020, 32, 1069-1074.	0.3	2
34	Recent Advances in Metal Decorated Nanomaterials and Their Various Biological Applications: A Review. Frontiers in Chemistry, 2020, 8, 341.	3.6	391
35	Advances and Challenges in Developing Efficient Graphene Oxide-Based ZnO Photocatalysts for Dye Photo-Oxidation. Nanomaterials, 2020, 10, 932.	4.1	107
36	Silver nanoparticles: various methods of synthesis, size affecting factors and their potential applicationsâ€“a review. Applied Nanoscience (Switzerland), 2020, 10, 1369-1378.	3.1	298

#	Article	IF	Citations
37	Role of Nanomaterials in the Treatment of Wastewater: A Review. Water (Switzerland), 2020, 12, 495.	2.7	418
38	Applications of Supercritical Carbon Dioxide in the Rubber Industry. Nanotechnology in the Life Sciences, 2020, , 199-218.	0.6	2
39	Role of Nanotechnology for Design and Development of Cosmeceutical: Application in Makeup and Skin Care. Frontiers in Chemistry, 2019, 7, 739.	3.6	97
40	A glimpse into the microbial fuel cells for wastewater treatment with energy generation. , 0, 214, 379-389.		62
41	Electrode Material as Anode for Improving the Electrochemical Performance of Microbial Fuel Cells. , 0, , .		3
42	Copper oxide nanoparticles: a heterogeneous catalyst for synthesis of 3-(2-chlorophenyl)-2,4-pentadione. Inorganic and Nano-Metal Chemistry, 0, , 1-9.	1.6	1