Mubarak Mujawar

List of Publications by Year in Descending Order

214 papers	5,804 citations	43 h-index	68 g-index
223 ext. papers	7,645 ext. citations	5 avg, IF	6.53 L-index

#	Paper	IF	Citations
214	New generation adsorbents for the removal of fluoride from water and wastewater: A review. *Journal of Molecular Liquids*, **2022**, 346, 118257	6	4
213	Advanced green nanocomposite materials for wastewater treatment **2022**, 297-321		0
212	Conventional techniques for nanomaterials preparation **2022**, 91-110		
211	Future development, prospective, and challenges in the application of green nanocomposites in environmental remediation **2022**, 483-511		
210	A review of the recent trend in the synthesis of carbon nanomaterials derived from oil palm by-product materials.. *Biomass Conversion and Biorefinery*, **2022**, 1-32	2.3	2
209	Facile synthesis of a binary composite from watermelon rind using response surface methodology for supercapacitor electrode material. *Journal of Energy Storage*, **2022**, 49, 104147	7.8	1
208	A review on biochar production from different biomass wastes by recent carbonization technologies and its sustainable applications. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107017	6.8	2
207	Adsorption of Cr(VI) from aqueous solution using mesoporous metal-organic framework-5 functionalized with the amino acids: Characterization, optimization, linear and nonlinear kinetic models. *Journal of Molecular Liquids*, **2022**, 345, 117835	6	7
206	Insight into immobilization efficiency of Lipase enzyme as a biocatalyst on the graphene oxide for adsorption of Azo dyes from industrial wastewater effluent. *Journal of Molecular Liquids*, **2022**, 354, 118849	6	0
205	Microwave-assisted synthesis of carbon nanotubes for the removal of toxic cationic dyes from textile wastewater. *Journal of Molecular Liquids*, **2022**, 356, 119045	6	4
204	A review on the binder-free electrode fabrication for electrochemical energy storage devices. *Journal of Energy Storage*, **2022**, 51, 104324	7.8	0
203	Dynamics, phylogeny and phyto-stimulating potential of chitinase synthesizing bacterial root endosymbiosiome of North Western Himalayan Brassica rapa L.. *Scientific Reports*, **2022**, 12, 6742	4.9	1
202	A comprehensive review of microbial desalination cells for present and future challenges. *Desalination*, **2022**, 535, 115808	10.3	15
201	Nanoporous carbon materials as a sustainable alternative for the remediation of toxic impurities and environmental contaminants: A review.. *Science of the Total Environment*, **2022**, 155943	10.2	1
200	Modelling and optimization for methylene blue adsorption using graphene oxide/chitosan composites via artificial neural network-particle swarm optimization. *Materials Today Chemistry*, **2022**, 24, 100946	6.2	2
199	New generation adsorbents for removal of pesticides from water and waste water **2022**, 189-207		
198	Fabrication of binary metal phosphate-based binder-free electrode for new generation energy storage device. *Surface and Coatings Technology*, **2021**, 429, 127924	4.4	1

197	A comprehensive review on micropollutants removal using carbon nanotubes-based adsorbents and membranes. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106647	6.8	17
196	Emerging pollutants and their removal using visible-light responsive photocatalysis – A comprehensive review. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106643	6.8	16
195	Importance of Nanomaterials in Engineering Application. *Engineering Materials*, **2021**, 1-20	0.4	
194	Conducting Polymers and Their Composites. *Engineering Materials*, **2021**, 147-178	0.4	1
193	Magnetic nanocomposites for sustainable water purification-a comprehensive review. *Environmental Science and Pollution Research*, **2021**, 28, 19563-19588	5.1	18
192	Surface charge on chitosan/cellulose nanowhiskers composite via functionalized and untreated carbon nanotube. *Arabian Journal of Chemistry*, **2021**, 14, 103022	5.9	17
191	Effect of solvent on hydro-solvothermal co liquefaction of sugarcane bagasse and polyethylene for bio-oil production in ethanol–water system. *Chemical Engineering Research and Design*, **2021**, 148, 1060-1069	5.5	5
190	Catalytic upgradation of bio-oil over metal supported activated carbon catalysts in sub-supercritical ethanol. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105059	6.8	5
189	Nanomaterials: Applications, waste-handling, environmental toxicities, and future challenges – A review. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105028	6.8	58
188	Hydrothermal carbonization of oil palm trunk via taguchi method. *Korean Journal of Chemical Engineering*, **2021**, 38, 797-806	2.8	0
187	Biomass-based Catalyst-Assisted Biodiesel Production **2021**, 249-264		
186	Ultrasonic-assisted synthesis of polythiophene-carbon nanotubes composites as supercapacitors. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 16203-16214	2.1	5
185	Optimising the fabrication of 3D binder-free graphene electrode for electrochemical energy storage application. *Surface and Coatings Technology*, **2021**, 413, 127080	4.4	4
184	Evaluation on feedstock, technologies, catalyst and reactor for sustainable biodiesel production: A review. *Journal of Industrial and Engineering Chemistry*, **2021**, 98, 60-81	6.3	35
183	Stability, thermo-physical and electrical properties of naphthenic/POME blended transformer oil nanofluids. *Thermal Science and Engineering Progress*, **2021**, 23, 100878	3.6	2
182	Evaluating the biomethane potential from the anaerobic co-digestion of palm oil mill effluent, food waste, and sewage sludge in Malaysia. *Environmental Science and Pollution Research*, **2021**, 28, 67632-67645	5.1	2
181	A comprehensive review on magnetic carbon nanotubes and carbon nanotube-based buckypaper for removal of heavy metals and dyes. *Journal of Hazardous Materials*, **2021**, 413, 125375	12.8	80
180	Comprehensive review on carbon nanotubes embedded in different metal and polymer matrix: fabrications and applications. *Critical Reviews in Solid State and Materials Sciences*, **2021**, 1-28	10.1	15

179	Combined Impact of Ultrasound Pre-treatment and Hydrodistillation on Bioactive Compounds and GC–MS Analysis of Cinnamomum cassia Bark Extract. *Waste and Biomass Valorization*, **2021**, 12, 807-821	3.2	4
178	Environmental impact of using nanomaterials in textiles **2021**, 321-342		3
177	Current applications of smart nanotextiles and future trends **2021**, 343-365		3
176	An overview of catalytic conversion of CO2 into fuels and chemicals using metal organic frameworks. *Chemical Engineering Research and Design*, **2021**, 149, 67-92	5.5	31
175	Advanced microbial fuel cell for waste water treatment-a review. *Environmental Science and Pollution Research*, **2021**, 28, 5005-5019	5.1	31
174	Catalytic co-liquefaction of sugarcane bagasse and polyethylene for bio-oil production under supercritical conditions: Effect of catalysts. *Journal of Analytical and Applied Pyrolysis*, **2021**, 153, 104944	6	6
173	Application of microwave synthesis in biodiesel production **2021**, 623-641		1
172	Current progress in waste tire rubber devulcanization. *Chemosphere*, **2021**, 265, 129033	8.4	18
171	Prediction of thermo-physical properties of 1-Butyl-3-methylimidazolium hexafluorophosphate for CO2 capture using machine learning models. *Journal of Molecular Liquids*, **2021**, 327, 114785	6	5
170	A Critical Review on the Synthesis of Natural Sodium Alginate Based Composite Materials: An Innovative Biological Polymer for Biomedical Delivery Applications. *Processes*, **2021**, 9, 137	2.9	26
169	Functionalized multi-walled carbon nanotubes and hydroxyapatite nanorods reinforced with polypropylene for biomedical application. *Scientific Reports*, **2021**, 11, 843	4.9	9
168	Nanomaterial synthesis protocols **2021**, 73-85		
167	A review of gas chromatographic techniques for identification of aqueous amine degradation products in carbonated environments. *Environmental Science and Pollution Research*, **2021**, 28, 6324-6348	5.1	3
166	Optimisation of NiO electrodeposition on 3D graphene electrode for electrochemical energy storage using response surface methodology. *Journal of Electroanalytical Chemistry*, **2021**, 882, 114992	4.1	8
165	Biomass-based Catalyst-Assisted Biodiesel Production **2021**, 249-264		0
164	Particulate matter concentration and health risk assessment for a residential building during COVID-19 pandemic in Abha, Saudi Arabia. *Environmental Science and Pollution Research*, **2021**, 28, 65822-65831	5.1	1
163	Dual-application of novel magnetic carbon nanocomposites as catalytic liquefaction for bio-oil synthesis and multi-heavy metal adsorption. *Renewable Energy*, **2021**, 172, 1103-1119	8.1	6
162	Development of fruit waste derived bio-adsorbents for wastewater treatment: A review. *Journal of Hazardous Materials*, **2021**, 416, 125848	12.8	28

161	Thermal, mechanical, rheological, electrical and electromagnetic interference shielding performance of polypropylene/magnetic carbon nanocomposites. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105447	6.8	3
160	Recent trends and future challenges of pesticide removal techniques □A comprehensive review. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105571	6.8	18
159	Novel cationic chitosan-like bioflocculant from Citrobacter youngae GTC 01314 for the treatment of kaolin suspension and activated sludge. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105297	6.8	2
158	A review on the properties and applications of chitosan, cellulose and deep eutectic solvent in green chemistry. *Journal of Industrial and Engineering Chemistry*, **2021**, 104, 362-362	6.3	14
157	Carbon and polymer-based magnetic nanocomposites for oil-spill remediation-a comprehensive review. *Environmental Science and Pollution Research*, **2021**, 28, 54477-54496	5.1	6
156	Experimental investigation of physicochemical, thermal, mechanical and rheological properties of polylactide/rice straw hydrochar composite. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106011	6.8	2
155	A review of recent trends and emerging perspectives of ionic liquid membranes for CO2 separation. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105860	6.8	9
154	Recent progress in solar water heaters and solar collectors: A comprehensive review. *Thermal Science and Engineering Progress*, **2021**, 25, 100981	3.6	10
153	Effect of electron beam radiation on POLY(LACTIC acid) biocomposites reinforced with waste tea powder. *Radiation Physics and Chemistry*, **2021**, 188, 109612	2.5	0
152	Synthesis and optimization of chitosan supported magnetic carbon bio-nanocomposites and bio-oil production by solvothermal carbonization co-precipitation for advanced energy applications. *Renewable Energy*, **2021**, 178, 587-599	8.1	3
151	Waste oil to biodiesel **2021**, 337-355		
150	A Review on Primary and Secondary Controls of Inverter-interfaced Microgrid. *Journal of Modern Power Systems and Clean Energy*, **2021**, 9, 969-985	4	5
149	Extraction of reinforced epoxy nanocomposite using agricultural waste biomass. *IOP Conference Series: Materials Science and Engineering*, **2020**, 943, 012021	0.4	3
148	A Review on Biodiesel Synthesis using Iron Doped Catalyst. *IOP Conference Series: Materials Science and Engineering*, **2020**, 943, 012026	0.4	
147	RSM optimization of microwave pyrolysis parameters to produce OPS char with high yield and large BET surface area. *Fuel*, **2020**, 277, 118184	7.1	25
146	Adsorption of Cu(II) and Ni(II) ions from wastewater onto bentonite and bentonite/GO composite. *Environmental Science and Pollution Research*, **2020**, 27, 33270-33296	5.1	24
145	Synthesis of Hybrid Graphene/TiO2 Nanoparticles Based High-Temperature Quinary Salt Mixture for Energy Storage Application. *Journal of Energy Storage*, **2020**, 31, 101540	7.8	16
144	Review of modelling and simulation strategies for evaluating corrosive behavior of aqueous amine systems for CO2 capture. *International Journal of Greenhouse Gas Control*, **2020**, 96, 103010	4.2	24

143	Fabrication of 3D binder-free graphene NiO electrode for highly stable supercapattery. *Scientific Reports*, **2020**, 10, 11214	4.9	21
142	Removal of dye using peroxidase-immobilized Buckypaper/polyvinyl alcohol membrane in a multi-stage filtration column via RSM and ANFIS. *Environmental Science and Pollution Research*, **2020**, 27, 40121-40134	5.1	28
141	Adsorption of heavy metal from industrial wastewater onto low-cost Malaysian kaolin clay-based adsorbent. *Environmental Science and Pollution Research*, **2020**, 27, 13949-13962	5.1	22
140	Thermal degradation kinetics of morpholine for carbon dioxide capture. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103814	6.8	7
139	Pilot study of synthesis of nanocrystalline cellulose using waste biomass via ASPEN plus simulation. *Materials Science for Energy Technologies*, **2020**, 3, 364-370	5.2	1
138	Surface force arising from Adsorbed graphene oxide in kaolinite suspensions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 592, 124592	5.1	8
137	Modeling and optimization by particle swarm embedded neural network for adsorption of methylene blue by jicama peroxidase immobilized on buckypaper/polyvinyl alcohol membrane. *Environmental Research*, **2020**, 183, 109158	7.9	39
136	Solvothermal co-liquefaction of sugarcane bagasse and polyethylene under sub-supercritical conditions: Optimization of process parameters. *Chemical Engineering Research and Design*, **2020**, 137, 300-311	5.5	15
135	Devulcanisation of ground rubber tyre by novel ternary deep eutectic solvents. *Journal of Molecular Liquids*, **2020**, 306, 112913	6	8
134	Synthesis and thermophysical properties of ethylammonium chloride-glycerol-ZnCl2 ternary deep eutectic solvent. *Journal of Molecular Liquids*, **2020**, 310, 113232	6	11
133	Low-Pressure Ammonia Production. *Green Energy and Technology*, **2020**, 123-136	0.6	
132	Carbon-based Nanomaterials for Energy Storage and Sensing Applications **2020**, 147-174		0
131	Nanomaterial for Biosensors **2020**, 35-61		
130	Biodegradable carboxymethyl cellulose based material for sustainable packaging application. *Scientific Reports*, **2020**, 10, 21960	4.9	42
129	Synthesis of novel magnetic carbon nano-composite from waste biomass: A comparative study of industrially adoptable hydro/solvothermal co-precipitation route. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103519	6.8	10
128	Modelling of methylene blue adsorption using peroxidase immobilized functionalized Buckypaper/polyvinyl alcohol membrane via ant colony optimization. *Environmental Pollution*, **2020**, 259, 113940	9.3	35
127	Improving fermentation industry sludge treatment as well as energy production with constructed dual chamber microbial fuel cell. *SN Applied Sciences*, **2020**, 2, 1	1.8	9
126	Recent advancement and development of chitin and chitosan-based nanocomposite for drug delivery: Critical approach to clinical research. *Arabian Journal of Chemistry*, **2020**, 13, 8935-8964	5.9	29

125	Magnetic biochar derived from waste palm kernel shell for biodiesel production via sulfonation. *Waste Management*, **2020**, 118, 626-636	8.6	26
124	Potential of polylactide based nanocomposites-nanopolysaccharide filler for reinforcement purpose: a comprehensive review. *Journal of Polymer Research*, **2020**, 27, 1	2.7	9
123	Co-liquefaction of synthetic polyethylene and polyethylene bags with sugarcane bagasse under supercritical conditions: A comparative study. *Renewable Energy*, **2020**, 162, 2397-2407	8.1	3
122	A review on influence of reactor technologies and kinetic studies for biodiesel application. *Journal of Industrial and Engineering Chemistry*, **2020**, 91, 54-68	6.3	26
121	Graphene/PVA buckypaper for strain sensing application. *Scientific Reports*, **2020**, 10, 20106	4.9	12
120	Synthesis and characterization of rice husk biochar via hydrothermal carbonization for wastewater treatment and biofuel production. *Scientific Reports*, **2020**, 10, 18851	4.9	26
119	Graphene based nanomaterials for strain sensor application□ review. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103743	6.8	63
118	High-temperature molten salts optimisation using mixture design for energy storage application. *Journal of Energy Storage*, **2020**, 32, 101981	7.8	9
117	Rheological behaviour of eutectic nanofluids containing a low fraction of GO/TiO2 hybrid nanoparticles. *Thermal Science and Engineering Progress*, **2020**, 20, 100753	3.6	4
116	Study of diesel engine characteristics by adding nanosized zinc oxide and diethyl ether additives in Mahua biodiesel-diesel fuel blend. *Scientific Reports*, **2020**, 10, 15326	4.9	50
115	Magnetic nanoparticles incorporation into different substrates for dyes and heavy metals removal-A Review. *Environmental Science and Pollution Research*, **2020**, 27, 43526-43541	5.1	40
114	Feasibility Study for Production of Hydrogen from Agricultural Solid Residue with Reference to Malaysia Using ASPEN Plus Simulation. *Waste and Biomass Valorization*, **2020**, 11, 1403-1419	3.2	4
113	Process optimization and empirical model development for lignocellulosic biomass via gravimetric analysis. *Biomass Conversion and Biorefinery*, **2020**, 10, 447-461	2.3	
112	Biodiesel synthesis using natural solid catalyst derived from biomass waste □A review. *Journal of Industrial and Engineering Chemistry*, **2020**, 81, 41-60	6.3	63
111	A Review of the Graphene Synthesis Routes and its Applications in Electrochemical Energy Storage. *Critical Reviews in Solid State and Materials Sciences*, **2020**, 45, 339-377	10.1	28
110	Magnetic nanoadsorbents□potential route for heavy metals removal-a review. *Environmental Science and Pollution Research*, **2020**, 27, 24342-24356	5.1	58
109	Process design and economic studies of two-step fermentation for production of ascorbic acid. *SN Applied Sciences*, **2020**, 2, 1	1.8	4
108	Life cycle assessment of waste cooking oil for biodiesel production using waste chicken eggshell derived CaO as catalyst via transesterification. *Biocatalysis and Agricultural Biotechnology*, **2019**, 21, 101317	4.2	57

107	Smart Materials, Magnetic Graphene Oxide-Based Nanocomposites for Sustainable Water Purification **2019**, 759-781		18
106	Pilot study of magnetic nanoparticles via SuperPro simulation using catalytic hydrothermal carbonization process. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102932	6.8	4
105	Electrical Properties of Sustainable Nano-Composites Containing Nano-Fillers: Dielectric Properties and Electrical Conductivity **2019**, 899-914		3
104	Functionalized Carbon Nanomaterial for Artificial Bone Replacement as Filler Material **2019**, 783-804		5
103	An Overview of Magnetic Material: Preparation and Adsorption Removal of Heavy Metals from Wastewater. *Nanotechnology in the Life Sciences*, **2019**, 131-159	1.1	16
102	An overview of biodiesel production using recyclable biomass and non-biomass derived magnetic catalysts. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103219	6.8	55
101	Microwave-Assisted Synthesis for Carbon Nanomaterials **2019**, 121-147		2
100	Carbon nanomaterials based films for strain sensing application A review. *Nano Structures Nano Objects*, **2019**, 18, 100312	5.6	34
99	Synthesis and characterization of polylactide/rice husk hydrochar composite. *Scientific Reports*, **2019**, 9, 5445	4.9	42
98	Biodiesel production from used cooking oil using green solid catalyst derived from calcined fusion waste chicken and fish bones. *Renewable Energy*, **2019**, 139, 696-706	8.1	87
97	Microwave Hydrothermal Carbonization of Rice Straw: Optimization of Process Parameters and Upgrading of Chemical, Fuel, Structural and Thermal Properties. *Materials*, **2019**, 12,	3.5	22
96	An overview of OPS from oil palm industry as feedstock for bio-oil production. *Biomass Conversion and Biorefinery*, **2019**, 9, 827-841	2.3	7
95	Adsorptive removal of dibenzothiophene from diesel fuel using microwave synthesized carbon nanomaterials. *Fuel*, **2019**, 244, 132-139	7.1	24
94	Synthesis of organic phase change materials by using carbon nanotubes as filler material. *Nano Structures Nano Objects*, **2019**, 19, 100361	5.6	17
93	Investigating the effect of graphene on eutectic salt properties for thermal energy storage. *Materials Research Bulletin*, **2019**, 119, 110568	5.1	9
92	A review of heterogeneous calcium oxide based catalyst from waste for biodiesel synthesis. *SN Applied Sciences*, **2019**, 1, 1	1.8	20
91	Recycled carbon fibre/Bi2Te3 and Bi2S3 hybrid composite doped with MWCNTs for thermoelectric applications. *Composites Part B: Engineering*, **2019**, 175, 107085	10	13
90	Functionalized carbon nanomaterials for wastewater treatment **2019**, 283-311		3

89	Synthesis of organic phase change materials (PCM) for energy storage applications: A review. *Nano Structures Nano Objects*, **2019**, 20, 100399	5.6	72
88	Magnetic palm kernel biochar potential route for phenol removal from wastewater. *Environmental Science and Pollution Research*, **2019**, 26, 35183-35197	5.1	39
87	Utilization of oil palm fronds for bio-oil and bio-char production using hydrothermal liquefaction technology. *Biomass Conversion and Biorefinery*, **2019**, 11, 1465	2.3	3
86	Immobilization of Lipase Enzyme Carbon Nanotubes via Adsorption. *IOP Conference Series: Materials Science and Engineering*, **2019**, 495, 012055	0.4	6
85	Recent Progress and Challenges in Transformer Oil Nanofluid Development: A Review on Thermal and Electrical Properties. *IEEE Access*, **2019**, 7, 151422-151438	3.5	17
84	Immobilization of Peroxidase on Functionalized MWCNTs-Buckypaper/Polyvinyl alcohol Nanocomposite Membrane. *Scientific Reports*, **2019**, 9, 2215	4.9	41
83	An overview of immobilized enzyme technologies for dye and phenolic removal from wastewater. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102961	6.8	108
82	Comparison of Drying Method on Acid-functionalized Multi-walled Carbon Nanotube and their Application for Dye Removal. *IOP Conference Series: Materials Science and Engineering*, **2019**, 495, 012057	0.4	2
81	Multiwall carbon nanotube promising route for removal of chromium from wastewater via batch column mechanism. *IOP Conference Series: Materials Science and Engineering*, **2019**, 495, 012061	0.4	1
80	Deep eutectic solvents for extraction-desulphurization: A review. *Journal of Molecular Liquids*, **2019**, 275, 312-322	6	80
79	Iron Oxide Nanomaterials for the Removal of Heavy Metals and Dyes From Wastewater **2019**, 447-472		31
78	Valorization of palm oil agro-waste into cellulose biosorbents for highly effective textile effluent remediation. *Journal of Cleaner Production*, **2019**, 210, 697-709	10.3	46
77	Fabrication of advance magnetic carbon nano-materials and their potential applications: A review. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102812	6.8	43
76	Characterization and Process Optimization of Biochar Produced Using Novel Biomass, Waste Pomegranate Peel: A Response Surface Methodology Approach. *Waste and Biomass Valorization*, **2019**, 10, 521-532	3.2	51
75	Solvothermal Liquefaction of Corn Stalk: Physico-Chemical Properties of Bio-oil and Biochar. *Waste and Biomass Valorization*, **2019**, 10, 1957-1968	3.2	15
74	Upgradation of chemical, fuel, thermal, and structural properties of rice husk through microwave-assisted hydrothermal carbonization. *Environmental Science and Pollution Research*, **2018**, 25, 17529-17539	5.1	44
73	Factors influencing corrosion of metal pipes in soils. *Environmental Chemistry Letters*, **2018**, 16, 861-879	13.3	41
72	Synthesis of magnetic carbon nanocomposites by hydrothermal carbonization and pyrolysis. *Environmental Chemistry Letters*, **2018**, 16, 821-844	13.3	48

71	Recent advances in production and upgrading of bio-oil from biomass: A critical overview. *Journal of Environmental Chemical Engineering*, **2018**, 6, 5101-5118	6.8	107
70	Utilization of Distillery Effluent as Substrate for Power Generation with Optimized Parametric Conditions using Microbial Fuel Cell. *Eurasian Journal of Analytical Chemistry*, **2018**, 13,		6
69	Advanced Nanomaterials Synthesis from Pyrolysis and Hydrothermal Carbonization: A Review. *Current Organic Chemistry*, **2018**, 22, 446-461	1.7	19
68	Novel fabrication of functionalized graphene oxide via magnetite and 1-butyl-3-methylimidazolium tetrafluoroborate. *Nano Structures Nano Objects*, **2018**, 16, 403-411	5.6	8
67	Pilot study of in-line continuous flocculation water treatment plant. *Journal of Environmental Chemical Engineering*, **2018**, 6, 7185-7191	6.8	8
66	Synthesis of polyvinyl alcohol (PVA) infiltrated MWCNTs buckypaper for strain sensing application. *Scientific Reports*, **2018**, 8, 17295	4.9	41
65	Sliding behavior of droplet on a hydrophobic surface with hydrophilic cavities: A simulation study. *Physics of Fluids*, **2018**, 30, 122006	4.4	6
64	Adsorptive Removal of Methylene Blue Using Magnetic Biochar Derived from Agricultural Waste Biomass: Equilibrium, Isotherm, Kinetic Study. *International Journal of Nanoscience*, **2018**, 17, 1850002	0.6	6
63	Sub-supercritical liquefaction of sugarcane bagasse for production of bio-oil and char: Effect of two solvents. *Journal of Environmental Chemical Engineering*, **2018**, 6, 6589-6601	6.8	26
62	Thermogravimetric pyrolysis for neem char using novel agricultural waste: a study of process optimization and statistical modeling. *Biomass Conversion and Biorefinery*, **2018**, 8, 857-871	2.3	9
61	An overview of microwave hydrothermal carbonization and microwave pyrolysis of biomass. *Reviews in Environmental Science and Biotechnology*, **2018**, 17, 813-837	13.9	43
60	Comparative study of acid functionalization of carbon nanotube via ultrasonic and reflux mechanism. *Journal of Environmental Chemical Engineering*, **2018**, 6, 5889-5896	6.8	40
59	Recent trends in the synthesis of graphene and graphene oxide based nanomaterials for removal of heavy metals A review. *Journal of Industrial and Engineering Chemistry*, **2018**, 66, 29-44	6.3	190
58	An overview of functionalised carbon nanomaterial for organic pollutant removal. *Journal of Industrial and Engineering Chemistry*, **2018**, 67, 175-186	6.3	67
57	In-situ polymerization of magnetic biochar polypyrrole composite: A novel application in supercapacitor. *Biomass and Bioenergy*, **2017**, 98, 95-111	5.3	44
56	An overview of effect of process parameters on hydrothermal carbonization of biomass. *Renewable and Sustainable Energy Reviews*, **2017**, 73, 1289-1299	16.2	224
55	A promising route of magnetic based materials for removal of cadmium and methylene blue from waste water. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1447-1455	6.8	61
54	Application potential of carbon nanomaterials in water and wastewater treatment: A review. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 72, 116-133	5.3	162

53	Effect of process parameters for production of microporous magnetic biochar derived from agriculture waste biomass. *Microporous and Mesoporous Materials*, **2017**, 253, 29-39	5.3	48
52	Agricultural biomass-derived magnetic adsorbents: Preparation and application for heavy metals removal. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 78, 168-177	5.3	77
51	Microwave Assisted Carbon Nanofibers for Removal of Zinc and Copper from Waste Water. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 1847-1856	1.3	3
50	Overview on Synthesis of Magnetic Bio Char from Discarded Agricultural Biomass **2017**, 435-460		2
49	Structure-property relationship of cellulose nanowhiskers reinforced chitosan biocomposite films. *Journal of Environmental Chemical Engineering*, **2017**, 5, 6132-6136	6.8	26
48	Microwave induced synthesis of magnetic biochar from agricultural biomass for removal of lead and cadmium from wastewater. *Journal of Industrial and Engineering Chemistry*, **2017**, 45, 287-295	6.3	126
47	Synthesis of magnetic biochar from agricultural waste biomass to enhancing route for waste water and polymer application: A review. *Renewable and Sustainable Energy Reviews*, **2017**, 67, 257-276	16.2	212
46	Column performance of carbon nanotube packed bed for methylene blue and orange red dye removal from waste water. *IOP Conference Series: Materials Science and Engineering*, **2017**, 206, 012081	0.4	3
45	Adsorptive Removal of Phenol from Aqueous Solution by Using Carbon Nanotubes and Magnetic BioChar. *NanoWorld Journal*, **2017**, 03, 32-37	2	10
44	Microwave-assisted synthesis of multi-walled carbon nanotubes for enhanced removal of Zn(II) from wastewater. *Research on Chemical Intermediates*, **2016**, 42, 3257-3281	2.8	23
43	Single-route synthesis of magnetic biochar from sugarcane bagasse by microwave-assisted pyrolysis. *Materials Letters*, **2016**, 184, 315-319	3.3	39
42	A new route of magnetic biochar based polyaniline composites for supercapacitor electrode materials. *Journal of Analytical and Applied Pyrolysis*, **2016**, 121, 240-257	6	47
41	Plam oil empty fruit bunch based magnetic biochar composite comparison for synthesis by microwave-assisted and conventional heating. *Journal of Analytical and Applied Pyrolysis*, **2016**, 120, 521-528	6	55
40	Rapid adsorption of toxic Pb(II) ions from aqueous solution using multiwall carbon nanotubes synthesized by microwave chemical vapor deposition technique. *Journal of Environmental Sciences*, **2016**, 45, 143-55	6.4	55
39	High-performance removal of toxic phenol by single-walled and multi-walled carbon nanotubes: Kinetics, adsorption, mechanism and optimization studies. *Journal of Industrial and Engineering Chemistry*, **2016**, 35, 63-74	6.3	79
38	Chemical, dielectric and structural characterization of optimized hydrochar produced from hydrothermal carbonization of palm shell. *Fuel*, **2016**, 163, 88-97	7.1	116
37	Comparative Kinetic Study of Removal of Pb2+ Ions and Cr3+ Ions from Waste Water using Carbon Nanotubes Produced using Microwave Heating. *Journal of Carbon Research*, **2016**, 2, 7	3.3	8
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