

# Mubarak Mujawar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	An overview of effect of process parameters on hydrothermal carbonization of biomass. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 73, 1289-1299	16.2	224
213	Synthesis of magnetic biochar from agricultural waste biomass to enhancing route for waste water and polymer application: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 67, 257-276	16.2	212
212	Removal of Heavy Metals from Wastewater Using Carbon Nanotubes. <i>Separation and Purification Reviews</i> , <b>2014</b> , 43, 311-338	7.3	205
211	Recent trends in the synthesis of graphene and graphene oxide based nanomaterials for removal of heavy metals A review. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 66, 29-44	6.3	190
210	Application potential of carbon nanomaterials in water and wastewater treatment: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 72, 116-133	5.3	162
209	An overview on methods for the production of carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 1186-1197	6.3	126
208	Microwave induced synthesis of magnetic biochar from agricultural biomass for removal of lead and cadmium from wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 45, 287-295	6.3	126
207	Immobilization of cellulase enzyme on functionalized multiwall carbon nanotubes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 107, 124-131		121
206	Chemical, dielectric and structural characterization of optimized hydrochar produced from hydrothermal carbonization of palm shell. <i>Fuel</i> , <b>2016</b> , 163, 88-97	7.1	116
205	An overview of immobilized enzyme technologies for dye and phenolic removal from wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102961	6.8	108
204	Recent advances in production and upgrading of bio-oil from biomass: A critical overview. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 5101-5118	6.8	107
203	Stability and thermal conductivity enhancement of carbon nanotube nanofluid using gum arabic. <i>Journal of Experimental Nanoscience</i> , <b>2011</b> , 6, 567-579	1.9	93
202	Utilization of palm oil sludge through pyrolysis for bio-oil and bio-char production. <i>Bioresource Technology</i> , <b>2015</b> , 178, 65-69	11	88
201	Biodiesel production from used cooking oil using green solid catalyst derived from calcined fusion waste chicken and fish bones. <i>Renewable Energy</i> , <b>2019</b> , 139, 696-706	8.1	87
200	Synthesis of palm oil empty fruit bunch magnetic pyrolytic char impregnating with FeCl <sub>3</sub> by microwave heating technique. <i>Biomass and Bioenergy</i> , <b>2014</b> , 61, 265-275	5.3	83
199	A comprehensive review on magnetic carbon nanotubes and carbon nanotube-based buckypaper for removal of heavy metals and dyes. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125375	12.8	80
198	Deep eutectic solvents for extraction-desulphurization: A review. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 275, 312-322	6	80

197	High-performance removal of toxic phenol by single-walled and multi-walled carbon nanotubes: Kinetics, adsorption, mechanism and optimization studies. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 35, 63-74	6.3	79
196	Agricultural biomass-derived magnetic adsorbents: Preparation and application for heavy metals removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 78, 168-177	5.3	77
195	Statistical optimization and kinetic studies on removal of Zn <sup>2+</sup> using functionalized carbon nanotubes and magnetic biochar. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 486-495	6.8	77
194	Synthesis of organic phase change materials (PCM) for energy storage applications: A review. <i>Nano Structures Nano Objects</i> , <b>2019</b> , 20, 100399	5.6	72
193	Whole body vibration and posture as risk factors for low back pain among forklift truck drivers. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 284, 933-946	3.9	68
192	An overview of functionalised carbon nanomaterial for organic pollutant removal. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 67, 175-186	6.3	67
191	Graphene based nanomaterials for strain sensor application—review. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103743	6.8	63
190	Biodiesel synthesis using natural solid catalyst derived from biomass waste [A review. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 81, 41-60	6.3	63
189	A promising route of magnetic based materials for removal of cadmium and methylene blue from waste water. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 1447-1455	6.8	61
188	Nanomaterials: Applications, waste-handling, environmental toxicities, and future challenges [A review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105028	6.8	58
187	Magnetic nanoadsorbents—Potential route for heavy metals removal—a review. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 24342-24356	5.1	58
186	Life cycle assessment of waste cooking oil for biodiesel production using waste chicken eggshell derived CaO as catalyst via transesterification. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2019</b> , 21, 101317	4.7	57
185	Hydrothermal carbonization of oil palm shell. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 1789-1797	4.7	56
184	An overview of biodiesel production using recyclable biomass and non-biomass derived magnetic catalysts. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103219	6.8	55
183	Plam oil empty fruit bunch based magnetic biochar composite comparison for synthesis by microwave-assisted and conventional heating. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2016</b> , 120, 521-528	6	55
182	Rapid adsorption of toxic Pb(II) ions from aqueous solution using multiwall carbon nanotubes synthesized by microwave chemical vapor deposition technique. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 45, 143-55	6.4	55
181	Comparative kinetic study of functionalized carbon nanotubes and magnetic biochar for removal of Cd <sup>2+</sup> ions from wastewater. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 446-457	2.8	51
180	Characterization and Process Optimization of Biochar Produced Using Novel Biomass, Waste Pomegranate Peel: A Response Surface Methodology Approach. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 521-532	3.2	51

179	Study of diesel engine characteristics by adding nanosized zinc oxide and diethyl ether additives in Mahua biodiesel-diesel fuel blend. <i>Scientific Reports</i> , <b>2020</b> , 10, 15326	4.9	50
178	Effect of process parameters for production of microporous magnetic biochar derived from agriculture waste biomass. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 253, 29-39	5.3	48
177	Synthesis of magnetic carbon nanocomposites by hydrothermal carbonization and pyrolysis. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 821-844	13.3	48
176	Synthesis and characterization of hydrochars produced by hydrothermal carbonization of oil palm shell. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 1916-1921	2.3	48
175	A new route of magnetic biochar based polyaniline composites for supercapacitor electrode materials. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2016</b> , 121, 240-257	6	47
174	Valorization of palm oil agro-waste into cellulose biosorbents for highly effective textile effluent remediation. <i>Journal of Cleaner Production</i> , <b>2019</b> , 210, 697-709	10.3	46
173	In-situ polymerization of magnetic biochar [polypyrrole composite: A novel application in supercapacitor. <i>Biomass and Bioenergy</i> , <b>2017</b> , 98, 95-111	5.3	44
172	Upgradation of chemical, fuel, thermal, and structural properties of rice husk through microwave-assisted hydrothermal carbonization. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 17529-17539	5.1	44
171	Fabrication of advance magnetic carbon nano-materials and their potential applications: A review. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102812	6.8	43
170	An overview of microwave hydrothermal carbonization and microwave pyrolysis of biomass. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2018</b> , 17, 813-837	13.9	43
169	Synthesis and characterization of polylactide/rice husk hydrochar composite. <i>Scientific Reports</i> , <b>2019</b> , 9, 5445	4.9	42
168	The production of carbon nanotubes using two-stage chemical vapor deposition and their potential use in protein purification. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 461-469	14.7	42
167	Biodegradable carboxymethyl cellulose based material for sustainable packaging application. <i>Scientific Reports</i> , <b>2020</b> , 10, 21960	4.9	42
166	Factors influencing corrosion of metal pipes in soils. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 861-879	13.3	41
165	Immobilization of Peroxidase on Functionalized MWCNTs-Buckypaper/Polyvinyl alcohol Nanocomposite Membrane. <i>Scientific Reports</i> , <b>2019</b> , 9, 2215	4.9	41
164	Synthesis of polyvinyl alcohol (PVA) infiltrated MWCNTs buckypaper for strain sensing application. <i>Scientific Reports</i> , <b>2018</b> , 8, 17295	4.9	41
163	Magnetic nanoparticles incorporation into different substrates for dyes and heavy metals removal-A Review. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 43526-43541	5.1	40
162	Comparative study of acid functionalization of carbon nanotube via ultrasonic and reflux mechanism. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 5889-5896	6.8	40

161	Modeling and optimization by particle swarm embedded neural network for adsorption of methylene blue by jicama peroxidase immobilized on buckypaper/polyvinyl alcohol membrane. <i>Environmental Research</i> , <b>2020</b> , 183, 109158	7.9	39
160	Single-route synthesis of magnetic biochar from sugarcane bagasse by microwave-assisted pyrolysis. <i>Materials Letters</i> , <b>2016</b> , 184, 315-319	3.3	39
159	Magnetic palm kernel biochar potential route for phenol removal from wastewater. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 35183-35197	5.1	39
158	Single stage production of carbon nanotubes using microwave technology. <i>Diamond and Related Materials</i> , <b>2014</b> , 48, 52-59	3.5	39
157	Removal of Methylene Blue and Orange-G from Waste Water Using Magnetic Biochar. <i>International Journal of Nanoscience</i> , <b>2015</b> , 14, 1550009	0.6	37
156	Adsorption of chromium (VI) on functionalized and non-functionalized carbon nanotubes. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1582-1591	2.8	35
155	Modelling of methylene blue adsorption using peroxidase immobilized functionalized Buckypaper/polyvinyl alcohol membrane via ant colony optimization. <i>Environmental Pollution</i> , <b>2020</b> , 259, 113940	9.3	35
154	Evaluation on feedstock, technologies, catalyst and reactor for sustainable biodiesel production: A review. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 98, 60-81	6.3	35
153	Carbon nanomaterials based films for strain sensing applicationA review. <i>Nano Structures Nano Objects</i> , <b>2019</b> , 18, 100312	5.6	34
152	Iron Oxide Nanomaterials for the Removal of Heavy Metals and Dyes From Wastewater <b>2019</b> , 447-472		31
151	An overview of catalytic conversion of CO <sub>2</sub> into fuels and chemicals using metal organic frameworks. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 149, 67-92	5.5	31
150	Advanced microbial fuel cell for waste water treatment-a review. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 5005-5019	5.1	31
149	Microwave assisted multiwall carbon nanotubes enhancing Cd(II) adsorption capacity in aqueous media. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 24, 24-33	6.3	30
148	Recent advancement and development of chitin and chitosan-based nanocomposite for drug delivery: Critical approach to clinical research. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8935-8964	5.9	29
147	Novel microwave-assisted multiwall carbon nanotubes enhancing Cu (II) adsorption capacity in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 53, 140-152	5.3	28
146	Removal of dye using peroxidase-immobilized Buckypaper/polyvinyl alcohol membrane in a multi-stage filtration column via RSM and ANFIS. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 40121-40134	5.1	28
145	A Review of the Graphene Synthesis Routes and its Applications in Electrochemical Energy Storage. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2020</b> , 45, 339-377	10.1	28
144	Development of fruit waste derived bio-adsorbents for wastewater treatment: A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125848	12.8	28

143	Structure-property relationship of cellulose nanowhiskers reinforced chitosan biocomposite films. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 6132-6136	6.8	26
142	Magnetic biochar derived from waste palm kernel shell for biodiesel production via sulfonation. <i>Waste Management</i> , <b>2020</b> , 118, 626-636	8.6	26
141	A review on influence of reactor technologies and kinetic studies for biodiesel application. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 91, 54-68	6.3	26
140	Synthesis and characterization of rice husk biochar via hydrothermal carbonization for wastewater treatment and biofuel production. <i>Scientific Reports</i> , <b>2020</b> , 10, 18851	4.9	26
139	A Critical Review on the Synthesis of Natural Sodium Alginate Based Composite Materials: An Innovative Biological Polymer for Biomedical Delivery Applications. <i>Processes</i> , <b>2021</b> , 9, 137	2.9	26
138	Sub-supercritical liquefaction of sugarcane bagasse for production of bio-oil and char: Effect of two solvents. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 6589-6601	6.8	26
137	RSM optimization of microwave pyrolysis parameters to produce OPS char with high yield and large BET surface area. <i>Fuel</i> , <b>2020</b> , 277, 118184	7.1	25
136	Adsorptive removal of dibenzothiophene from diesel fuel using microwave synthesized carbon nanomaterials. <i>Fuel</i> , <b>2019</b> , 244, 132-139	7.1	24
135	Optimisation of the process variables in production of activated carbon by microwave heating. <i>RSC Advances</i> , <b>2015</b> , 5, 35899-35908	3.7	24
134	Adsorption of Cu(II) and Ni(II) ions from wastewater onto bentonite and bentonite/GO composite. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 33270-33296	5.1	24
133	Review of modelling and simulation strategies for evaluating corrosive behavior of aqueous amine systems for CO <sub>2</sub> capture. <i>International Journal of Greenhouse Gas Control</i> , <b>2020</b> , 96, 103010	4.2	24
132	Microwave-assisted synthesis of multi-walled carbon nanotubes for enhanced removal of Zn(II) from wastewater. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 3257-3281	2.8	23
131	Microwave Hydrothermal Carbonization of Rice Straw: Optimization of Process Parameters and Upgrading of Chemical, Fuel, Structural and Thermal Properties. <i>Materials</i> , <b>2019</b> , 12,	3.5	22
130	Adsorption of heavy metal from industrial wastewater onto low-cost Malaysian kaolin clay-based adsorbent. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 13949-13962	5.1	22
129	Fabrication of 3D binder-free graphene NiO electrode for highly stable supercapattery. <i>Scientific Reports</i> , <b>2020</b> , 10, 11214	4.9	21
128	A review of heterogeneous calcium oxide based catalyst from waste for biodiesel synthesis. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	20
127	Advanced Nanomaterials Synthesis from Pyrolysis and Hydrothermal Carbonization: A Review. <i>Current Organic Chemistry</i> , <b>2018</b> , 22, 446-461	1.7	19
126	Smart Materials, Magnetic Graphene Oxide-Based Nanocomposites for Sustainable Water Purification <b>2019</b> , 759-781		18



125	Magnetic nanocomposites for sustainable water purification-a comprehensive review. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 19563-19588	5.1	18
124	Current progress in waste tire rubber devulcanization. <i>Chemosphere</i> , <b>2021</b> , 265, 129033	8.4	18
123	Recent trends and future challenges of pesticide removal techniques [A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105571	6.8	18
122	Synthesis of organic phase change materials by using carbon nanotubes as filler material. <i>Nano Structures Nano Objects</i> , <b>2019</b> , 19, 100361	5.6	17
121	Recent Progress and Challenges in Transformer Oil Nanofluid Development: A Review on Thermal and Electrical Properties. <i>IEEE Access</i> , <b>2019</b> , 7, 151422-151438	3.5	17
120	A comprehensive review on micropollutants removal using carbon nanotubes-based adsorbents and membranes. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106647	6.8	17
119	Surface charge on chitosan/cellulose nanowhiskers composite via functionalized and untreated carbon nanotube. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 14, 103022	5.9	17
118	An Overview of Magnetic Material: Preparation and Adsorption Removal of Heavy Metals from Wastewater. <i>Nanotechnology in the Life Sciences</i> , <b>2019</b> , 131-159	1.1	16
117	Synthesis of Hybrid Graphene/TiO <sub>2</sub> Nanoparticles Based High-Temperature Quinary Salt Mixture for Energy Storage Application. <i>Journal of Energy Storage</i> , <b>2020</b> , 31, 101540	7.8	16
116	Emerging pollutants and their removal using visible-light responsive photocatalysis [A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106643	6.8	16
115	Solvothermal co-liquefaction of sugarcane bagasse and polyethylene under sub-supercritical conditions: Optimization of process parameters. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 137, 300-311	5.5	15
114	Comprehensive review on carbon nanotubes embedded in different metal and polymer matrix: fabrications and applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2021</b> , 1-28	10.1	15
113	Solvothermal Liquefaction of Corn Stalk: Physico-Chemical Properties of Bio-oil and Biochar. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 1957-1968	3.2	15
112	A comprehensive review of microbial desalination cells for present and future challenges. <i>Desalination</i> , <b>2022</b> , 535, 115808	10.3	15
111	ADSORPTION AND KINETIC STUDY ON Sn <sup>2+</sup> REMOVAL USING MODIFIED CARBON NANOTUBE AND MAGNETIC BIOCHAR. <i>International Journal of Nanoscience</i> , <b>2013</b> , 12, 1350044	0.6	14
110	A review on the properties and applications of chitosan, cellulose and deep eutectic solvent in green chemistry. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 104, 362-362	6.3	14
109	Recycled carbon fibre/Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> S <sub>3</sub> hybrid composite doped with MWCNTs for thermoelectric applications. <i>Composites Part B: Engineering</i> , <b>2019</b> , 175, 107085	10	13
108	Graphene/PVA buckypaper for strain sensing application. <i>Scientific Reports</i> , <b>2020</b> , 10, 20106	4.9	12

107	Synthesis and thermophysical properties of ethylammonium chloride-glycerol-ZnCl <sub>2</sub> ternary deep eutectic solvent. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 310, 113232	6	11
106	Adsorptive Removal of Phenol from Aqueous Solution by Using Carbon Nanotubes and Magnetic BioChar. <i>NanoWorld Journal</i> , <b>2017</b> , 03, 32-37	2	10
105	Synthesis of novel magnetic carbon nano-composite from waste biomass: A comparative study of industrially adoptable hydro/solvothermal co-precipitation route. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103519	6.8	10
104	Recent progress in solar water heaters and solar collectors: A comprehensive review. <i>Thermal Science and Engineering Progress</i> , <b>2021</b> , 25, 100981	3.6	10
103	Investigating the effect of graphene on eutectic salt properties for thermal energy storage. <i>Materials Research Bulletin</i> , <b>2019</b> , 119, 110568	5.1	9
102	Improving fermentation industry sludge treatment as well as energy production with constructed dual chamber microbial fuel cell. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	9
101	Potential of polylactide based nanocomposites-nanopolysaccharide filler for reinforcement purpose: a comprehensive review. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	9
100	High-temperature molten salts optimisation using mixture design for energy storage application. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101981	7.8	9
99	Functionalized multi-walled carbon nanotubes and hydroxyapatite nanorods reinforced with polypropylene for biomedical application. <i>Scientific Reports</i> , <b>2021</b> , 11, 843	4.9	9
98	Thermogravimetric pyrolysis for neem char using novel agricultural waste: a study of process optimization and statistical modeling. <i>Biomass Conversion and Biorefinery</i> , <b>2018</b> , 8, 857-871	2.3	9
97	A review of recent trends and emerging perspectives of ionic liquid membranes for CO <sub>2</sub> separation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105860	6.8	9
96	Surface force arising from Adsorbed graphene oxide in kaolinite suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 592, 124592	5.1	8
95	Devulcanisation of ground rubber tyre by novel ternary deep eutectic solvents. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 306, 112913	6	8
94	Comparative Kinetic Study of Removal of Pb <sup>2+</sup> Ions and Cr <sup>3+</sup> Ions from Waste Water using Carbon Nanotubes Produced using Microwave Heating. <i>Journal of Carbon Research</i> , <b>2016</b> , 2, 7	3.3	8
93	Optimisation of NiO electrodeposition on 3D graphene electrode for electrochemical energy storage using response surface methodology. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 882, 114992	4.1	8
92	Novel fabrication of functionalized graphene oxide via magnetite and 1-butyl-3-methylimidazolium tetrafluoroborate. <i>Nano Structures Nano Objects</i> , <b>2018</b> , 16, 403-411	5.6	8
91	Pilot study of in-line continuous flocculation water treatment plant. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 7185-7191	6.8	8
90	An overview of OPS from oil palm industry as feedstock for bio-oil production. <i>Biomass Conversion and Biorefinery</i> , <b>2019</b> , 9, 827-841	2.3	7



89	Thermal degradation kinetics of morpholine for carbon dioxide capture. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103814	6.8	7
88	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. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 345, 117835	6	7
87	Immobilization of Lipase Enzyme Carbon Nanotubes via Adsorption. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 495, 012055	0.4	6
86	Adsorption Isotherm and Thermodynamics Studies of Zn(II) on Functionalized and Non-Functionalized Carbon Nanotubes. <i>Advanced Science, Engineering and Medicine</i> , <b>2014</b> , 6, 974-984	0.6	6
85	Utilization of Distillery Effluent as Substrate for Power Generation with Optimized Parametric Conditions using Microbial Fuel Cell. <i>Eurasian Journal of Analytical Chemistry</i> , <b>2018</b> , 13,		6
84	A review on extractive fermentation via ion exchange adsorption resins opportunities, challenges, and future prospects. <i>Biomass Conversion and Biorefinery</i> , <sup>1</sup>	2.3	6
83	Catalytic co-liquefaction of sugarcane bagasse and polyethylene for bio-oil production under supercritical conditions: Effect of catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 153, 104944 <sup>6</sup>		6
82	Sliding behavior of droplet on a hydrophobic surface with hydrophilic cavities: A simulation study. <i>Physics of Fluids</i> , <b>2018</b> , 30, 122006	4.4	6
81	Adsorptive Removal of Methylene Blue Using Magnetic Biochar Derived from Agricultural Waste Biomass: Equilibrium, Isotherm, Kinetic Study. <i>International Journal of Nanoscience</i> , <b>2018</b> , 17, 1850002	0.6	6
80	Dual-application of novel magnetic carbon nanocomposites as catalytic liquefaction for bio-oil synthesis and multi-heavy metal adsorption. <i>Renewable Energy</i> , <b>2021</b> , 172, 1103-1119	8.1	6
79	Carbon and polymer-based magnetic nanocomposites for oil-spill remediation-a comprehensive review. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 54477-54496	5.1	6
78	Functionalized Carbon Nanomaterial for Artificial Bone Replacement as Filler Material <b>2019</b> , 783-804		5
77	Effect of solvent on hydro-solvothermal co liquefaction of sugarcane bagasse and polyethylene for bio-oil production in ethanol/water system. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 148, 1060-1069	5.5	5
76	Catalytic upgradation of bio-oil over metal supported activated carbon catalysts in sub-supercritical ethanol. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105059	6.8	5
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50	Current applications of smart nanotextiles and future trends <b>2021</b> , 343-365		3
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