

Bassim H Hameed

List of Publications by Year in Descending Order

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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.

304
papers

36,059
citations

101
h-index

182
g-index

311
ext. papers

40,357
ext. citations

9.7
avg, IF

8.33
L-index

#	Paper	IF	Citations
304	A mini review of recent progress in the removal of emerging contaminants from pharmaceutical waste using various adsorbents.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
303	Recent Progress on Nanomaterial-Based Membranes for Water Treatment.. <i>Membranes</i> , 2021 , 11,	3.8	5
302	Fenton oxidation for soil remediation: A critical review of observations in historically contaminated soils. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127670	12.8	10
301	Recent progress on catalytic co-pyrolysis of plastic waste and lignocellulosic biomass to liquid fuel: The influence of technical and reaction kinetic parameters. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103035	5.9	13
300	Insight into the chemically modified crop straw adsorbents for the enhanced removal of water contaminants: A review. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115616	6	10
299	Co-hydrothermal carbonization of different feedstocks to hydrochar as potential energy for the future world: A review. <i>Journal of Cleaner Production</i> , 2021 , 298, 126734	10.3	25
298	A Review on the Treatment of Petroleum Refinery Wastewater Using Advanced Oxidation Processes. <i>Catalysts</i> , 2021 , 11, 782	4	16
297	Encapsulated biochar-based sustained release fertilizer for precision agriculture: A review. <i>Journal of Cleaner Production</i> , 2021 , 303, 127018	10.3	23
296	A review on microwave-assisted synthesis of adsorbents and its application in the removal of water pollutants. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102006	6.7	5
295	Utilization of biochars as sustainable catalysts for upgrading of glycerol from biodiesel production. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104768	6.8	6
294	Dark-Fenton oxidative degradation of methylene blue and acid blue 29 dyes using sulfuric acid-activated slag of the steel-making process. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104831	6.8	8
293	Desorption of chloramphenicol from ordered mesoporous carbon-alginate beads: Effects of operating parameters, and isotherm, kinetics, and regeneration studies. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105015	6.8	12
292	Chitosan-derived hydrothermally carbonized materials and its applications: A review of recent literature. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 314-327	7.9	11
291	Lithium loaded coal fly ash as sustainable and effective catalyst for the synthesis of glycerol carbonate from glycerol. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105999	6.8	7
290	Amino-functionalised silica-grafted molecularly imprinted polymers for chloramphenicol adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103981	6.8	14
289	Mesoporous and high-surface-area activated carbon from defatted olive cake by-products of olive mills for the adsorption kinetics and isotherm of methylene blue and acid blue 29. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104199	6.8	13
288	Review on recent progress in chitosan/chitin-carbonaceous material composites for the adsorption of water pollutants. <i>Carbohydrate Polymers</i> , 2020 , 247, 116690	10.3	69

287	Insight into the co-pyrolysis of different blended feedstocks to biochar for the adsorption of organic and inorganic pollutants: A review. <i>Journal of Cleaner Production</i> , 2020 , 265, 121762	10.3	60
286	Deoxygenation of pyrolysis vapour derived from durian shell using catalysts prepared from industrial wastes rich in Ca, Fe, Si and Al. <i>Science of the Total Environment</i> , 2020 , 703, 134902	10.2	8
285	New magnetic Schiff's base-chitosan-glyoxal/fly ash/FeO biocomposite for the removal of anionic azo dye: An optimized process. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 530-539	7.9	101
284	Co-pyrolysis of sugarcane bagasse and waste high-density polyethylene: Synergistic effect and product distributions. <i>Energy</i> , 2020 , 191, 116545	7.9	52
283	A review on recent trends in reactor systems and azeotrope separation strategies for catalytic conversion of biodiesel-derived glycerol. <i>Science of the Total Environment</i> , 2020 , 719, 134595	10.2	16
282	Adsorption of endocrine disrupting compounds and other emerging contaminants using lignocellulosic biomass-derived porous carbons: A review. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101380	6.7	23
281	Mesoporous biohybrid epichlorohydrin crosslinked chitosan/carbon-clay adsorbent for effective cationic and anionic dyes adsorption. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1079-1086	7.9	43
280	Valorization of biodiesel byproduct glycerol to glycerol carbonate using highly reusable apatite-like catalyst derived from waste Gastropoda Mollusca. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	3
279	Solar light responsive TiO ₂ -ZnO, modified with graphitic carbon nitride nano-sheet for degradation of AB29. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 2674	3.5	4
278	Single-step pyrolysis of phosphoric acid-activated chitin for efficient adsorption of cephalexin antibiotic. <i>Bioresource Technology</i> , 2019 , 280, 255-259	11	33
277	Chitosan-glyoxal film as a superior adsorbent for two structurally different reactive and acid dyes: Adsorption and mechanism study. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 569-581	7.9	52
276	Catalytic co-pyrolysis of sugarcane bagasse and waste high-density polyethylene over faujasite-type zeolite. <i>Bioresource Technology</i> , 2019 , 284, 406-414	11	29
275	Insights into the isotherm and kinetic models for the coadsorption of pharmaceuticals in the absence and presence of metal ions: A review. <i>Journal of Environmental Management</i> , 2019 , 252, 109617	7.9	24
274	Biofilm of cross-linked Chitosan-Ethylene Glycol Diglycidyl Ether for removal of Reactive Red 120 and Methyl Orange: Adsorption and mechanism studies. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102965	6.8	57
273	Product distribution of the thermal and catalytic fast pyrolysis of karanja (<i>Pongamia pinnata</i>) fruit hulls over a reusable silica-alumina catalyst. <i>Fuel</i> , 2019 , 245, 89-95	7.1	12
272	Hydrogenation of glucose and fructose into hexitols over heterogeneous catalysts: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 96, 341-352	5.3	22
271	High-performance porous biochar from the pyrolysis of natural and renewable seaweed (<i>Gelidium acerosa</i>) and its application for the adsorption of methylene blue. <i>Bioresource Technology</i> , 2019 , 278, 159-164	11	99
270	Transesterification of biodiesel byproduct glycerol and dimethyl carbonate over porous biochar derived from pyrolysis of fishery waste. <i>Energy Conversion and Management</i> , 2018 , 165, 794-800	10.6	27

269	Zeolite-hydroxyapatite-activated oil palm ash composite for antibiotic tetracycline adsorption. <i>Fuel</i> , 2018 , 215, 499-505	7.1	59
268	NaY zeolite from wheat (<i>Triticum aestivum</i> L.) straw ash used for the adsorption of tetracycline. <i>Journal of Cleaner Production</i> , 2018 , 172, 602-608	10.3	38
267	Pyrolysis of oil palm mesocarp fiber catalyzed with steel slag-derived zeolite for bio-oil production. <i>Bioresource Technology</i> , 2018 , 249, 42-48	11	33
266	Melamine-nitrogenated mesoporous activated carbon derived from rice husk for carbon dioxide adsorption in fixed-bed. <i>Energy</i> , 2018 , 155, 46-55	7.9	48
265	Photocatalytic degradation of pollutants in petroleum refinery wastewater by TiO ₂ - and ZnO-based photocatalysts: Recent development. <i>Journal of Cleaner Production</i> , 2018 , 205, 930-954	10.3	183
264	Chitosan Bleaching earth clay composite as an efficient adsorbent for carbon dioxide adsorption: Process optimization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 554, 9-15	5.1	11
263	Removal of emerging pharmaceutical contaminants by adsorption in a fixed-bed column: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 149, 257-266	7	142
262	Optimization of Methyl Ester Production from Waste Palm Oil Using Activated Carbon Supported Calcium Oxide Catalyst. <i>Solid State Phenomena</i> , 2018 , 280, 346-352	0.4	2
261	Effect of Microwave Heating Variables on Nitrogen-Enriched Palm Shell Activated Carbon toward Efficient Hydrogen Sulfide Removal. <i>Solid State Phenomena</i> , 2018 , 280, 315-322	0.4	1
260	Catalytic fast pyrolysis of durian rind using silica-alumina catalyst: Effects of pyrolysis parameters. <i>Bioresource Technology</i> , 2018 , 264, 198-205	11	20
259	Adsorption behavior of salicylic acid on biochar as derived from the thermal pyrolysis of barley straws. <i>Journal of Cleaner Production</i> , 2018 , 195, 1162-1169	10.3	44
258	Recent progress on catalytic pyrolysis of lignocellulosic biomass to high-grade bio-oil and bio-chemicals. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 70, 945-967	16.2	282
257	Mesoporous-activated carbon prepared from chitosan flakes via single-step sodium hydroxide activation for the adsorption of methylene blue. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 233-239	7.9	192
256	Mesoporous activated carbon prepared from NaOH activation of rattan (<i>Lacosperma secundiflorum</i>) hydrochar for methylene blue removal. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 279-285	7	166
255	A review on recent developments and progress in the kinetics and deactivation of catalytic acetylation of glycerol byproduct of biodiesel. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 387-401	16.2	63
254	Nanoporous activated carbon prepared from karanj (<i>Pongamia pinnata</i>) fruit hulls for methylene blue adsorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 74, 96-104	5.3	111
253	Recent advances in functionalized composite solid materials for carbon dioxide capture. <i>Energy</i> , 2017 , 124, 461-480	7.9	86
252	Upgrading of glycerol from biodiesel synthesis with dimethyl carbonate on reusable SrAl mixed oxide catalysts. <i>Energy Conversion and Management</i> , 2017 , 138, 183-189	10.6	40

251	A review on waste-derived adsorbents from sugar industry for pollutant removal in water and wastewater. <i>Journal of Molecular Liquids</i> , 2017 , 240, 179-188	6	80
250	Synthesis of glycerol carbonate from biodiesel by-product glycerol over calcined dolomite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 70, 179-187	5.3	49
249	Pyrolysis of oil palm mesocarp fiber and palm frond in a slow-heating fixed-bed reactor: A comparative study. <i>Bioresource Technology</i> , 2017 , 241, 563-572	11	51
248	Insight into the adsorption kinetics models for the removal of contaminants from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 74, 25-48	5.3	462
247	Activated electric arc furnace slag as an effective and reusable Fenton-like catalyst for the photodegradation of methylene blue and acid blue 29. <i>Journal of Environmental Management</i> , 2017 , 196, 323-329	7.9	31
246	Mesoporous carbonaceous material from fish scales as low-cost adsorbent for reactive orange 16 adsorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 47-54	5.3	50
245	Cross-linked chitosan thin film coated onto glass plate as an effective adsorbent for adsorption of reactive orange 16. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 743-749	7.9	46
244	Activated carbon/clay composite as an effective adsorbent from the spent bleaching sorbent of olive pomace oil: Process optimization and adsorption of acid blue 29 and methylene blue. <i>Chemical Engineering Research and Design</i> , 2017 , 128, 221-230	5.5	40
243	Mercerized mesoporous date pit activated carbon-A novel adsorbent to sequester potentially toxic divalent heavy metals from water. <i>PLoS ONE</i> , 2017 , 12, e0184493	3.7	27
242	Adsorption of acid blue 29 and methylene blue on mesoporous K ₂ CO ₃ -activated olive pomace boiler ash. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 535, 157-165	5.1	24
241	Biodiesel byproduct glycerol upgrading to glycerol carbonate over lithium/bil palm ash zeolite. <i>Energy Conversion and Management</i> , 2017 , 151, 472-480	10.6	35
240	Fast pyrolysis of durian (<i>Durio zibethinus</i> L) shell in a drop-type fixed bed reactor: Pyrolysis behavior and product analyses. <i>Bioresource Technology</i> , 2017 , 243, 85-92	11	33
239	An evaluation of the reliability of the characterization of the porous structure of activated carbons based on incomplete nitrogen adsorption isotherms. <i>Journal of Molecular Modeling</i> , 2017 , 23, 238	2	4
238	Reusable nitrogen-doped mesoporous carbon adsorbent for carbon dioxide adsorption in fixed-bed. <i>Energy</i> , 2017 , 138, 776-784	7.9	35
237	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption. <i>Journal of Environmental Management</i> , 2017 , 203, 237-244	7.9	187
236	Synthesis of oxygenated fuel additives via glycerol esterification with acetic acid over bio-derived carbon catalyst. <i>Fuel</i> , 2017 , 209, 538-544	7.1	55
235	High-surface-area and nitrogen-rich mesoporous carbon material from fishery waste for effective adsorption of methylene blue. <i>Powder Technology</i> , 2017 , 321, 428-434	5.2	58
234	Human hair-derived high surface area porous carbon material for the adsorption isotherm and kinetics of tetracycline antibiotics. <i>Bioresource Technology</i> , 2017 , 243, 778-784	11	113

233	Mesoporous zeolite-activated carbon composite from oil palm ash as an effective adsorbent for methylene blue. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 70, 32-41	5.3	118
232	Stabilized ladle furnace steel slag for glycerol carbonate synthesis via glycerol transesterification reaction with dimethyl carbonate. <i>Energy Conversion and Management</i> , 2017 , 133, 477-485	10.6	51
231	Cross-linked beads of activated oil palm ash zeolite/chitosan composite as a bio-adsorbent for the removal of methylene blue and acid blue 29 dyes. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 895-902	7.9	104
230	Chromium-ungsten-manganese oxides for synthesis of fatty acid methyl ester via esterification of palm fatty acid distillate. <i>Energy</i> , 2017 , 141, 1989-1997	7.9	11
229	Synthesis of fatty acid methyl esters via the transesterification of waste cooking oil by methanol with a barium-modified montmorillonite K10 catalyst. <i>Renewable Energy</i> , 2016 , 86, 392-398	8.1	60
228	Transesterification of waste cooking palm oil and palm oil to fatty acid methyl ester using cesium-modified silica catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 58, 226-234	5.3	22
227	Synthesis of glycerol free-fatty acid methyl esters from Jatropha oil over Ca-La mixed-oxide catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 58, 181-188	5.3	24
226	Adsorption behavior of cadmium ions onto phosphoric acid-impregnated microwave-induced mesoporous activated carbon. <i>Journal of Water Process Engineering</i> , 2016 , 14, 60-70	6.7	36
225	Catalytic pyrolysis of oil palm mesocarp fibre on a zeolite derived from low-cost oil palm ash. <i>Energy Conversion and Management</i> , 2016 , 127, 265-272	10.6	41
224	Economically viable production of biodiesel from a rural feedstock from eastern India, <i>P. pinnata</i> oil using a recyclable laboratory synthesized heterogeneous catalyst. <i>Energy Conversion and Management</i> , 2016 , 122, 52-62	10.6	30
223	Kinetics and deactivation of a dual-site heterogeneous oxide catalyst during the transesterification of crude jatropha oil with methanol Peer review under responsibility of Taibah University. View all notes. <i>Journal of Taibah University for Science</i> , 2016 , 10, 685-699	3	13
222	A thermogravimetric analysis of the combustion kinetics of karanja (<i>Pongamia pinnata</i>) fruit hulls char. <i>Bioresource Technology</i> , 2016 , 200, 335-41	11	77
221	Review on recent progress in catalytic carboxylation and acetylation of glycerol as a byproduct of biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 53, 558-574	16.2	143
220	Synthesis of fatty acid methyl ester from the transesterification of high- and low-acid-content crude palm oil (<i>Elaeis guineensis</i>) and karanj oil (<i>Pongamia pinnata</i>) over a calcium-lanthanum-aluminum mixed-oxides catalyst. <i>Bioresource Technology</i> , 2016 , 214, 248-252	11	31
219	Recent progress on biomass co-pyrolysis conversion into high-quality bio-oil. <i>Bioresource Technology</i> , 2016 , 221, 645-655	11	187
218	Glycerol carbonate synthesis from glycerol and dimethyl carbonate using trisodium phosphate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 51-58	5.3	37
217	Cross-linked chitosan/sepiolite composite for the adsorption of methylene blue and reactive orange 16. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1231-1239	7.9	127
216	Activated electric arc furnace slag as an efficient and reusable heterogeneous Fenton-like catalyst for the degradation of Reactive Black 5. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 67, 235-243	5.3	38

215	Calcium alginate-bentonite-activated carbon composite beads as highly effective adsorbent for methylene blue. <i>Chemical Engineering Journal</i> , 2015 , 270, 621-630	14.7	209
214	Photocatalytic activity of sol-gel-derived mesoporous TiO ₂ thin films for reactive orange 16 degradation. <i>Desalination and Water Treatment</i> , 2015 , 53, 3604-3614		12
213	Combustion kinetics of hydrochar produced from hydrothermal carbonisation of Karanj (<i>Pongamia pinnata</i>) fruit hulls via thermogravimetric analysis. <i>Bioresource Technology</i> , 2015 , 194, 14-20	11	59
212	New insight into electrochemical-induced synthesis of NiAl ₂ O ₄ /Al ₂ O ₃ : Synergistic effect of surface hydroxyl groups and magnetism for enhanced adsorptivity of Pd(II). <i>Applied Surface Science</i> , 2015 , 349, 485-495	6.7	33
211	Chromiumtungsten heterogeneous catalyst for esterification of palm fatty acid distillate to fatty acid methyl ester. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 54, 64-70	5.3	26
210	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H ₃ PO ₄ -activated langsat empty fruit bunch. <i>Journal of Environmental Management</i> , 2015 , 154, 138-44	7.9	60
209	Methylene blue adsorption on factory-rejected tea activated carbon prepared by conjunction of hydrothermal carbonization and sodium hydroxide activation processes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 52, 57-64	5.3	111
208	Transesterification of Jatropha oil with dimethyl carbonate to produce fatty acid methyl ester over reusable Ca-Al mixed-oxide catalyst. <i>Energy Conversion and Management</i> , 2015 , 106, 1356-1361	10.6	23
207	2,4-Dichlorophenoxyacetic acid adsorption onto coconut shell-activated carbon: isotherm and kinetic modeling. <i>Desalination and Water Treatment</i> , 2015 , 55, 132-141		27
206	Ordered mesoporous carbons originated from non-edible polyethylene glycol 400 (PEG-400) for chloramphenicol antibiotic recovery from liquid phase. <i>Chemical Engineering Journal</i> , 2015 , 260, 730-739	14.7	31
205	Developments in activated functionalized carbons and their applications in water decontamination: a review. <i>Desalination and Water Treatment</i> , 2015 , 54, 422-449		15
204	Mesoporous and adsorptive properties of palm date seed activated carbon prepared via sequential hydrothermal carbonization and sodium hydroxide activation. <i>Chemical Engineering Journal</i> , 2015 , 270, 187-195	14.7	138
203	Pyrolysis kinetics of raw and hydrothermally carbonized Karanj (<i>Pongamia pinnata</i>) fruit hulls via thermogravimetric analysis. <i>Bioresource Technology</i> , 2015 , 179, 227-233	11	78
202	Improved production of fuel oxygenates via glycerol acetylation with acetic acid. <i>Chemical Engineering Journal</i> , 2014 , 243, 473-484	14.7	60
201	Utilization of sky fruit husk agricultural waste to produce high quality activated carbon for the herbicide bentazon adsorption. <i>Chemical Engineering Journal</i> , 2014 , 251, 183-191	14.7	69
200	Variation of the crystal growth of mesoporous silica nanoparticles and the evaluation to ibuprofen loading and release. <i>Journal of Colloid and Interface Science</i> , 2014 , 421, 6-13	9.3	46
199	Transesterification of waste cooking palm oil by MnZr with supported alumina as a potential heterogeneous catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4437-4442	6.3	41
198	Optimized and functionalized paper sludge activated with potassium fluoride for single and binary adsorption of reactive dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 830-840	6.3	31

197	Adsorption of cationic dye using a low-cost biowaste adsorbent: equilibrium, kinetic, and thermodynamic study. <i>Desalination and Water Treatment</i> , 2014 , 52, 6088-6095		8
196	Chitosan/clay composite as highly effective and low-cost adsorbent for batch and fixed-bed adsorption of methylene blue. <i>Chemical Engineering Journal</i> , 2014 , 237, 352-361	14.7	288
195	Coffee waste as potential adsorbent for the removal of basic dyes from aqueous solution. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 2198-2206	2.8	55
194	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed. <i>Energy</i> , 2014 , 77, 926-931	7.9	49
193	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 110, 172-180	6	66
192	Adsorption of methylene blue onto papaya leaves: comparison of linear and nonlinear isotherm analysis. <i>Desalination and Water Treatment</i> , 2014 , 52, 6712-6719		21
191	Development and photocatalytic activities of TiO ₂ doped with Ca ²⁺ in the degradation of acid red 1 under visible light irradiation. <i>Desalination and Water Treatment</i> , 2014 , 52, 5639-5651		11
190	One-pot synthesis of glycidol from glycerol and dimethyl carbonate over KF/sepiolite catalyst. <i>Applied Catalysis A: General</i> , 2014 , 487, 181-188	5.1	35
189	Modeling of disperse dye adsorption onto bamboo-based activated carbon in fixed-bed column. <i>Desalination and Water Treatment</i> , 2014 , 52, 248-256		14
188	Highly active alumina-supported Cs ₂ Zr mixed oxide catalysts for low-temperature transesterification of waste cooking oil. <i>Applied Catalysis A: General</i> , 2014 , 487, 16-25	5.1	44
187	Chromium-molybdenum-titanium mixed oxides solid catalyst for fatty acid methyl ester synthesis from palm fatty acid distillate. <i>Energy Conversion and Management</i> , 2014 , 88, 669-676	10.6	16
186	Iron-clay as a reusable heterogeneous Fenton-like catalyst for decolorization of Acid Green 25. <i>Desalination and Water Treatment</i> , 2014 , 52, 5583-5593		10
185	Selective Acetalization of Glycerol with Acetone Over Nickel Nanoparticles Supported on Multi-Walled Carbon Nanotubes. <i>Catalysis Letters</i> , 2014 , 144, 1009-1015	2.8	19
184	Synthesis of glycerol carbonate by transesterification of glycerol with dimethyl carbonate over K-zeolite derived from coal fly ash. <i>Fuel Processing Technology</i> , 2014 , 126, 5-11	7.2	88
183	Fixed-bed catalytic and non-catalytic empty fruit bunch biomass pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 107, 67-72	6	45
182	Synthesis of fatty acid methyl esters via the methanolysis of palm oil over Ca _{3.5} Zr _{0.5} Al _x O ₃ mixed oxide catalyst. <i>Renewable Energy</i> , 2014 , 66, 680-685	8.1	28
181	Fe-modified local clay as effective and reusable heterogeneous photo-Fenton catalyst for the decolorization of Acid Green 25. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1459-1467	5.3	29
180	Synthesis of FAME from the methanolysis of palm fatty acid distillate using highly active solid oxide acid catalyst. <i>Fuel Processing Technology</i> , 2014 , 124, 54-60	7.2	28

179	Adsorptive removal of methylene blue using the natural adsorbent-banana leaves. <i>Desalination and Water Treatment</i> , 2014 , 52, 6104-6112		26
178	Food cannery effluent, pineapple peel as an effective low-cost biosorbent for removing cationic dye from aqueous solutions. <i>Desalination and Water Treatment</i> , 2014 , 52, 6096-6103		16
177	Adsorption of carbon dioxide by diethanolamine activated alumina beads in a fixed bed. <i>Chemical Engineering Journal</i> , 2014 , 253, 350-355	14.7	57
176	Preparation of activated carbons from rambutan (<i>Nephelium lappaceum</i>) peel by microwave-induced KOH activation for acid yellow 17 dye adsorption. <i>Chemical Engineering Journal</i> , 2014 , 250, 198-204	14.7	216
175	Mg _{1+x} Ca _{1-x} O ₂ as reusable and efficient heterogeneous catalyst for the synthesis of glycerol carbonate via the transesterification of glycerol with dimethyl carbonate. <i>Applied Catalysis A: General</i> , 2013 , 466, 272-281	5.1	73
174	Role of 3-aminopropyltriethoxysilane in the preparation of mesoporous silica nanoparticles for ibuprofen delivery: Effect on physicochemical properties. <i>Microporous and Mesoporous Materials</i> , 2013 , 180, 235-241	5.3	76
173	Solventless acetalization of glycerol with acetone to fuel oxygenates over Ni ₂ Zr supported on mesoporous activated carbon catalyst. <i>Applied Catalysis A: General</i> , 2013 , 464-465, 191-199	5.1	62
172	Production of biodiesel fuel by transesterification of different vegetable oils with methanol using Al ₂ O ₃ -modified MgZnO catalyst. <i>Bioresource Technology</i> , 2013 , 132, 103-8	11	27
171	Utilization of oil palm biodiesel solid residue as renewable sources for preparation of granular activated carbon by microwave induced KOH activation. <i>Bioresource Technology</i> , 2013 , 130, 696-702	11	50
170	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. <i>Chemical Engineering Journal</i> , 2013 , 229, 388-398	14.7	97
169	Synthesis of methyl esters from waste cooking oil using construction waste material as solid base catalyst. <i>Bioresource Technology</i> , 2013 , 128, 788-91	11	39
168	A highly active clay-based catalyst for the synthesis of fatty acid methyl ester from waste cooking palm oil. <i>Applied Catalysis A: General</i> , 2013 , 450, 57-62	5.1	44
167	Development of kaolinite supported ferric oxalate heterogeneous catalyst for degradation of 4-nitrophenol in photo-Fenton process. <i>Applied Clay Science</i> , 2013 , 83-84, 171-181	5.2	35
166	Preparation of activated carbon from sugarcane bagasse by microwave assisted activation for the remediation of semi-aerobic landfill leachate. <i>Bioresource Technology</i> , 2013 , 134, 166-72	11	77
165	Degradation of Acid Blue 29 in visible light radiation using iron modified mesoporous silica as heterogeneous Photo-Fenton catalyst. <i>Applied Catalysis A: General</i> , 2013 , 450, 96-105	5.1	80
164	Kinetic studies on carbon dioxide capture using lignocellulosic based activated carbon. <i>Energy</i> , 2013 , 61, 440-446	7.9	77
163	Batch adsorption of semi-aerobic landfill leachate by granular activated carbon prepared by microwave heating. <i>Chemical Engineering Journal</i> , 2013 , 222, 259-264	14.7	43
162	Organic dye adsorption on activated carbon derived from solid waste. <i>Desalination and Water Treatment</i> , 2013 , 51, 2554-2563		33

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160	Fixed-bed column adsorption of carbon dioxide by sodium hydroxide modified activated alumina. <i>Chemical Engineering Journal</i> , 2013 , 233, 80-87	14.7	46
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156	Riboflavin adsorption onto multi-modal mesoporous carbon synthesized from polyethylene glycol 400. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 297-305	14.7	6
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153	Single-step esterification of crude karanj (<i>Pongamia pinnata</i>) oil to fatty acid methyl esters over mesostructured SBA-16 supported 12-molybdophosphoric acid catalyst. <i>Fuel Processing Technology</i> , 2013 , 114, 12-20	7.2	23
152	Synthesis of copper pillared bentonite ferrioxalate catalyst for degradation of 4-nitrophenol in visible light assisted Fenton process. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 966-974	6.3	46
151	Microwave-assisted preparation and adsorption performance of activated carbon from biodiesel industry solid residue: influence of operational parameters. <i>Bioresource Technology</i> , 2012 , 103, 398-404	11	108
150	Preparation, characterization and evaluation of adsorptive properties of orange peel based activated carbon via microwave induced K ₂ CO ₃ activation. <i>Bioresource Technology</i> , 2012 , 104, 679-86	11	254
149	Mesoporous activated carbon from wood sawdust by K ₂ CO ₃ activation using microwave heating. <i>Bioresource Technology</i> , 2012 , 111, 425-32	11	152
148	Utilization of crude karanj (<i>Pongamia pinnata</i>) oil as a potential feedstock for the synthesis of fatty acid methyl esters. <i>Bioresource Technology</i> , 2012 , 111, 175-9	11	43
147	Potential of jackfruit peel as precursor for activated carbon prepared by microwave induced NaOH activation. <i>Bioresource Technology</i> , 2012 , 112, 143-50	11	120
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7	Isotherms, kinetics and thermodynamics of acid dye adsorption on activated palm ash. <i>Chemical Engineering Journal</i> , 2007 , 133, 195-203	14.7	418
6	Coagulation of residue oil and suspended solid in palm oil mill effluent by chitosan, alum and PAC. <i>Chemical Engineering Journal</i> , 2006 , 118, 99-105	14.7	240
5	Adsorption of residue oil from palm oil mill effluent using powder and flake chitosan: equilibrium and kinetic studies. <i>Water Research</i> , 2005 , 39, 2483-94	12.5	171
4	Residual oil and suspended solid removal using natural adsorbents chitosan, bentonite and activated carbon: A comparative study. <i>Chemical Engineering Journal</i> , 2005 , 108, 179-185	14.7	157
3	Chitosan: A Natural Biopolymer for the Adsorption of Residue Oil from Oily Wastewater. <i>Adsorption Science and Technology</i> , 2004 , 22, 75-88	3.6	38
2	Development of activated carbon from <i>Phoenix dactylifera</i> fruit pits: Process optimization, characterization, and methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2006 , 122, 273-281		9
1	A comprehensive review on application of plant-based bioadsorbents for Congo red removal. <i>Biomass Conversion and Biorefinery</i> , 2011 , 1, 1-10	2.3	1