Bassim H Hameed

List of Publications by Citations

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	Insights into the modeling of adsorption isotherm systems. *Chemical Engineering Journal*, **2010**, 156, 2-10	14.7	4488
303	Parameters affecting the photocatalytic degradation of dyes using TiO2-based photocatalysts: a review. *Journal of Hazardous Materials*, **2009**, 170, 520-9	12.8	1276
302	Adsorption of methylene blue onto bamboo-based activated carbon: kinetics and equilibrium studies. *Journal of Hazardous Materials*, **2007**, 141, 819-25	12.8	981
301	Adsorption of basic dye on high-surface-area activated carbon prepared from coconut husk: equilibrium, kinetic and thermodynamic studies. *Journal of Hazardous Materials*, **2008**, 154, 337-46	12.8	805
300	Equilibrium and kinetic studies on basic dye adsorption by oil palm fibre activated carbon. *Chemical Engineering Journal*, **2007**, 127, 111-119	14.7	565
299	Batch adsorption of methylene blue from aqueous solution by garlic peel, an agricultural waste biomass. *Journal of Hazardous Materials*, **2009**, 164, 870-5	12.8	540
298	Adsorption of basic dye (methylene blue) onto activated carbon prepared from rattan sawdust. *Dyes and Pigments*, **2007**, 75, 143-149	4.6	479
297	Adsorption isotherms, kinetics, thermodynamics and desorption studies of 2,4,6-trichlorophenol on oil palm empty fruit bunch-based activated carbon. *Journal of Hazardous Materials*, **2009**, 164, 473-82	12.8	477
296	Insight into the adsorption kinetics models for the removal of contaminants from aqueous solutions. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 74, 25-48	5.3	462
295	Adsorption isotherm, kinetic modeling and mechanism of 2,4,6-trichlorophenol on coconut husk-based activated carbon. *Chemical Engineering Journal*, **2008**, 144, 235-244	14.7	451
294	Equilibrium modeling and kinetic studies on the adsorption of basic dye by a low-cost adsorbent: coconut (Cocos nucifera) bunch waste. *Journal of Hazardous Materials*, **2008**, 158, 65-72	12.8	430
293	Isotherms, kinetics and thermodynamics of acid dye adsorption on activated palm ash. *Chemical Engineering Journal*, **2007**, 133, 195-203	14.7	418
292	Fixed-bed adsorption of reactive azo dye onto granular activated carbon prepared from waste. *Journal of Hazardous Materials*, **2010**, 175, 298-303	12.8	408
291	Removal of phenol from aqueous solutions by adsorption onto activated carbon prepared from biomass material. *Journal of Hazardous Materials*, **2008**, 160, 576-81	12.8	401
290	The advancements in sol□gel method of doped-TiO2 photocatalysts. *Applied Catalysis A: General*, **2010**, 375, 1-11	5.1	400
289	An overview of landfill leachate treatment via activated carbon adsorption process. *Journal of Hazardous Materials*, **2009**, 171, 54-60	12.8	372
288	Adsorption isotherm and kinetic modeling of 2,4-D pesticide on activated carbon derived from date stones. *Journal of Hazardous Materials*, **2009**, 163, 121-6	12.8	371

287	Spent tea leaves: a new non-conventional and low-cost adsorbent for removal of basic dye from aqueous solutions. *Journal of Hazardous Materials*, **2009**, 161, 753-9	12.8	333
286	Adsorption of basic dye using activated carbon prepared from oil palm shell: batch and fixed bed studies. *Desalination*, **2008**, 225, 13-28	10.3	321
285	Chitosan□lay composite as highly effective and low-cost adsorbent for batch and fixed-bed adsorption of methylene blue. *Chemical Engineering Journal*, **2014**, 237, 352-361	14.7	288
284	Recent progress on catalytic pyrolysis of lignocellulosic biomass to high-grade bio-oil and bio-chemicals. *Renewable and Sustainable Energy Reviews*, **2017**, 70, 945-967	16.2	282
283	Heterogeneous catalytic treatment of synthetic dyes in aqueous media using Fenton and photo-assisted Fenton process. *Desalination*, **2011**, 269, 1-16	10.3	274
282	Recent developments in the preparation and regeneration of activated carbons by microwaves. *Advances in Colloid and Interface Science*, **2009**, 149, 19-27	14.3	273
281	Malachite green adsorption by rattan sawdust: isotherm, kinetic and mechanism modeling. *Journal of Hazardous Materials*, **2008**, 159, 574-9	12.8	273
280	Optimization of preparation conditions for activated carbons from coconut husk using response surface methodology. *Chemical Engineering Journal*, **2008**, 137, 462-470	14.7	268
279	Rejected tea as a potential low-cost adsorbent for the removal of methylene blue. *Journal of Hazardous Materials*, **2010**, 175, 126-32	12.8	267
278	Equilibrium and kinetic studies of methyl violet sorption by agricultural waste. *Journal of Hazardous Materials*, **2008**, 154, 204-12	12.8	265
277	A novel agricultural waste adsorbent for the removal of cationic dye from aqueous solutions. *Journal of Hazardous Materials*, **2009**, 162, 305-11	12.8	260
276	Evaluation of papaya seeds as a novel non-conventional low-cost adsorbent for removal of methylene blue. *Journal of Hazardous Materials*, **2009**, 162, 939-44	12.8	257
275	Preparation, characterization and evaluation of adsorptive properties of orange peel based activated carbon via microwave induced K2CO3 activation. *Bioresource Technology*, **2012**, 104, 679-86	11	254
274	Batch removal of malachite green from aqueous solutions by adsorption on oil palm trunk fibre: equilibrium isotherms and kinetic studies. *Journal of Hazardous Materials*, **2008**, 154, 237-44	12.8	248
273	Adsorption of reactive dye onto cross-linked chitosan/oil palm ash composite beads. *Chemical Engineering Journal*, **2008**, 136, 164-172	14.7	246
272	Coagulation of residue oil and suspended solid in palm oil mill effluent by chitosan, alum and PAC. *Chemical Engineering Journal*, **2006**, 118, 99-105	14.7	240
271	Preparation of activated carbon from coconut husk: optimization study on removal of 2,4,6-trichlorophenol using response surface methodology. *Journal of Hazardous Materials*, **2008**, 153, 709-17	12.8	238
270	Batch adsorption of phenol onto physiochemical-activated coconut shell. *Journal of Hazardous Materials*, **2009**, 161, 1522-9	12.8	229

269	Adsorption studies of basic dye on activated carbon derived from agricultural waste: Hevea brasiliensis seed coat. *Chemical Engineering Journal*, **2008**, 139, 48-55	14.7	226
268	Preparation of activated carbons from rambutan (Nephelium lappaceum) peel by microwave-induced KOH activation for acid yellow 17 dye adsorption. *Chemical Engineering Journal*, **2014**, 250, 198-204	14.7	216
267	Calcium alginate□bentonite□activated carbon composite beads as highly effective adsorbent for methylene blue. *Chemical Engineering Journal*, **2015**, 270, 621-630	14.7	209
266	Coconut husk derived activated carbon via microwave induced activation: Effects of activation agents, preparation parameters and adsorption performance. *Chemical Engineering Journal*, **2012**, 184, 57-65	14.7	207
265	Modified mesoporous clay adsorbent for adsorption isotherm and kinetics of methylene blue. *Chemical Engineering Journal*, **2012**, 198-199, 219-227	14.7	199
264	Detoxification of pesticide waste via activated carbon adsorption process. *Journal of Hazardous Materials*, **2010**, 175, 1-11	12.8	194
263	Preparation of waste tea activated carbon using potassium acetate as an activating agent for adsorption of Acid Blue 25 dye. *Chemical Engineering Journal*, **2011**, 171, 502-509	14.7	193
262	Mesoporous-activated carbon prepared from chitosan flakes via single-step sodium hydroxide activation for the adsorption of methylene blue. *International Journal of Biological Macromolecules*, **2017**, 98, 233-239	7.9	192
261	Kinetics and equilibrium studies of malachite green adsorption on rice straw-derived char. *Journal of Hazardous Materials*, **2008**, 153, 701-8	12.8	189
260	Equilibrium, kinetics and mechanism of malachite green adsorption on activated carbon prepared from bamboo by K(2)CO(3) activation and subsequent gasification with CO(2). *Journal of Hazardous Materials*, **2008**, 157, 344-51	12.8	189
259	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption. *Journal of Environmental Management*, **2017**, 203, 237-244	7.9	187
258	Recent progress on biomass co-pyrolysis conversion into high-quality bio-oil. *Bioresource Technology*, **2016**, 221, 645-655	11	187
257	Removal of cationic dye from aqueous solution using jackfruit peel as non-conventional low-cost adsorbent. *Journal of Hazardous Materials*, **2009**, 162, 344-50	12.8	186
256	Photocatalytic degradation of pollutants in petroleum refinery wastewater by TiO2- and ZnO-based photocatalysts: Recent development. *Journal of Cleaner Production*, **2018**, 205, 930-954	10.3	183
255	Adsorption of direct dye on palm ash: kinetic and equilibrium modeling. *Journal of Hazardous Materials*, **2007**, 141, 70-6	12.8	176
254	Optimized waste tea activated carbon for adsorption of Methylene Blue and Acid Blue 29 dyes using response surface methodology. *Chemical Engineering Journal*, **2011**, 175, 233-243	14.7	175
253	Adsorption of residue oil from palm oil mill effluent using powder and flake chitosan: equilibrium and kinetic studies. *Water Research*, **2005**, 39, 2483-94	12.5	171
252	Mesoporous activated carbon prepared from NaOH activation of rattan (Lacosperma secundiflorum) hydrochar for methylene blue removal. *Ecotoxicology and Environmental Safety*, **2017**, 138, 279-285	7	166

251	Fe□lay as effective heterogeneous Fenton catalyst for the decolorization of Reactive Blue 4. *Chemical Engineering Journal*, **2011**, 171, 912-918	14.7	162
250	Residual oil and suspended solid removal using natural adsorbents chitosan, bentonite and activated carbon: A comparative study. *Chemical Engineering Journal*, **2005**, 108, 179-185	14.7	157
249	Utilization of rice husk ash as novel adsorbent: a judicious recycling of the colloidal agricultural waste. *Advances in Colloid and Interface Science*, **2009**, 152, 39-47	14.3	156
248	Utilization of rice husks as a feedstock for preparation of activated carbon by microwave induced KOH and K2CO3 activation. *Bioresource Technology*, **2011**, 102, 9814-7	11	154
247	Sorption of basic dye from aqueous solution by pomelo (Citrus grandis) peel in a batch system. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 316, 78-84	5.1	154
246	Mesoporous activated carbon from wood sawdust by K2CO3 activation using microwave heating. *Bioresource Technology*, **2012**, 111, 425-32	11	152
245	Equilibrium and kinetics studies of 2,4,6-trichlorophenol adsorption onto activated clay. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 307, 45-52	5.1	151
244	Optimization of basic dye removal by oil palm fibre-based activated carbon using response surface methodology. *Journal of Hazardous Materials*, **2008**, 158, 324-32	12.8	149
243	Sorption kinetics and isotherm studies of a cationic dye using agricultural waste: broad bean peels. *Journal of Hazardous Materials*, **2008**, 154, 639-48	12.8	148
242	Review on recent progress in catalytic carboxylation and acetylation of glycerol as a byproduct of biodiesel production. *Renewable and Sustainable Energy Reviews*, **2016**, 53, 558-574	16.2	143
241	Decolorization of Acid Red 1 by Fenton-like process using rice husk ash-based catalyst. *Journal of Hazardous Materials*, **2010**, 176, 938-44	12.8	142
240	Removal of emerging pharmaceutical contaminants by adsorption in a fixed-bed column: A review. *Ecotoxicology and Environmental Safety*, **2018**, 149, 257-266	7	142
239	Factors affecting the carbon yield and adsorption capability of the mangosteen peel activated carbon prepared by microwave assisted K2CO3 activation. *Chemical Engineering Journal*, **2012**, 180, 66-74	14.7	141
238	Adsorption of 2,4-dichlorophenoxyacetic acid and carbofuran pesticides onto granular activated carbon. *Desalination*, **2010**, 256, 129-135	10.3	140
237	Adsorption of pesticides from aqueous solution onto banana stalk activated carbon. *Chemical Engineering Journal*, **2011**, 174, 41-48	14.7	139
236	Mesoporous and adsorptive properties of palm date seed activated carbon prepared via sequential hydrothermal carbonization and sodium hydroxide activation. *Chemical Engineering Journal*, **2015**, 270, 187-195	14.7	138
235	Modified oil palm leaves adsorbent with enhanced hydrophobicity for crude oil removal. *Chemical Engineering Journal*, **2012**, 203, 9-18	14.7	138
234	Adsorption of methylene blue from aqueous solution onto NaOH-modified rejected tea. *Chemical Engineering Journal*, **2011**, 166, 783-786	14.7	138

233	Sorption equilibrium and kinetics of basic dye from aqueous solution using banana stalk waste. *Journal of Hazardous Materials*, **2008**, 158, 499-506	12.8	138
232	Preparation of oil palm empty fruit bunch-based activated carbon for removal of 2,4,6-trichlorophenol: optimization using response surface methodology. *Journal of Hazardous Materials*, **2009**, 164, 1316-24	12.8	136
231	A short review of activated carbon assisted electrosorption process: an overview, current stage and future prospects. *Journal of Hazardous Materials*, **2009**, 170, 552-9	12.8	136
230	Preparation and characterization of activated carbon from corncob by chemical activation with H3PO4 for 2,4-dichlorophenoxyacetic acid adsorption. *Chemical Engineering Journal*, **2011**, 173, 391-399	14.7	130
229	Removal of basic dye from aqueous medium using a novel agricultural waste material: pumpkin seed hull. *Journal of Hazardous Materials*, **2008**, 155, 601-9	12.8	130
228	Cross-linked chitosan/sepiolite composite for the adsorption of methylene blue and reactive orange 16. *International Journal of Biological Macromolecules*, **2016**, 93, 1231-1239	7.9	127
227	Microwave assisted preparation of activated carbon from pomelo skin for the removal of anionic and cationic dyes. *Chemical Engineering Journal*, **2011**, 173, 385-390	14.7	126
226	Effect of preparation conditions of activated carbon from bamboo waste for real textile wastewater. *Journal of Hazardous Materials*, **2010**, 173, 487-93	12.8	126
225	Batch and fixed-bed adsorption of 2,4-dichlorophenoxyacetic acid onto oil palm frond activated carbon. *Chemical Engineering Journal*, **2011**, 174, 33-40	14.7	123
224	Preparation of activated carbon from date stones by microwave induced chemical activation: Application for methylene blue adsorption. *Chemical Engineering Journal*, **2011**, 170, 338-341	14.7	123
223	Potential of jackfruit peel as precursor for activated carbon prepared by microwave induced NaOH activation. *Bioresource Technology*, **2012**, 112, 143-50	11	120
222	Acetylation of glycerol to biofuel additives over sulfated activated carbon catalyst. *Bioresource Technology*, **2011**, 102, 9229-35	11	119
221	Mesoporous zeolite□activated carbon composite from oil palm ash as an effective adsorbent for methylene blue. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 70, 32-41	5.3	118
220	Production of biodiesel from palm oil (Elaeis guineensis) using heterogeneous catalyst: An optimized process. *Fuel Processing Technology*, **2009**, 90, 606-610	7.2	118
219	Degradation of malachite green in aqueous solution by Fenton process. *Journal of Hazardous Materials*, **2009**, 164, 468-72	12.8	117
218	Porous structure and adsorptive properties of pineapple peel based activated carbons prepared via microwave assisted KOH and K2CO3 activation. *Microporous and Mesoporous Materials*, **2012**, 148, 191-195	5.3	116
217	Human hair-derived high surface area porous carbon material for the adsorption isotherm and kinetics of tetracycline antibiotics. *Bioresource Technology*, **2017**, 243, 778-784	11	113
216	Textural porosity, surface chemistry and adsorptive properties of durian shell derived activated carbon prepared by microwave assisted NaOH activation. *Chemical Engineering Journal*, **2012**, 187, 53-62	14.7	113

215	Reduction of COD and color of dyeing effluent from a cotton textile mill by adsorption onto bamboo-based activated carbon. *Journal of Hazardous Materials*, **2009**, 172, 1538-43	12.8	113
214	Utilization of durian (Durio zibethinus Murray) peel as low cost sorbent for the removal of acid dye from aqueous solutions. *Biochemical Engineering Journal*, **2008**, 39, 338-343	4.2	112
213	Nanoporous activated carbon prepared from karanj (Pongamia pinnata) fruit hulls for methylene blue adsorption. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 74, 96-104	5.3	111
212	Methylene blue adsorption on factory-rejected tea activated carbon prepared by conjunction of hydrothermal carbonization and sodium hydroxide activation processes. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 52, 57-64	5.3	111
211	Grass waste: a novel sorbent for the removal of basic dye from aqueous solution. *Journal of Hazardous Materials*, **2009**, 166, 233-8	12.8	110
210	Preparation and characterization of activated carbon from pistachio nut shells via microwave-induced chemical activation. *Biomass and Bioenergy*, **2011**, 35, 3257-3261	5.3	109
209	Microwave-assisted preparation and adsorption performance of activated carbon from biodiesel industry solid reside: influence of operational parameters. *Bioresource Technology*, **2012**, 103, 398-404	11	108
208	Amino modified mesostructured silica nanoparticles for efficient adsorption of methylene blue. *Journal of Colloid and Interface Science*, **2012**, 386, 307-14	9.3	108
207	Microwave-assisted preparation of oil palm fiber activated carbon for methylene blue adsorption. *Chemical Engineering Journal*, **2011**, 166, 792-795	14.7	108
206	Ammonia-modified activated carbon for the adsorption of 2,4-dichlorophenol. *Chemical Engineering Journal*, **2011**, 169, 180-185	14.7	108
205	Coalesced chitosan activated carbon composite for batch and fixed-bed adsorption of cationic and anionic dyes. *Colloids and Surfaces B: Biointerfaces*, **2013**, 105, 199-206	6	107
204	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. *International Journal of Biological Macromolecules* , **2017**, 95, 895-902	7.9	104
203	New magnetic Schiff's base-chitosan-glyoxal/fly ash/FeO biocomposite for the removal of anionic azo dye: An optimized process. *International Journal of Biological Macromolecules*, **2020**, 146, 530-539	7.9	101
202	Utilization of bivalve shell-treated Zea mays L. (maize) husk leaf as a low-cost biosorbent for enhanced adsorption of malachite green. *Bioresource Technology*, **2012**, 120, 218-24	11	99
201	High-performance porous biochar from the pyrolysis of natural and renewable seaweed (Gelidiella acerosa) and its application for the adsorption of methylene blue. *Bioresource Technology*, **2019**, 278, 159-164	11	99
200	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. *Chemical Engineering Journal*, **2013**, 229, 388-398	14.7	97
199	An overview of dye removal via activated carbon adsorption process. *Desalination and Water Treatment*, **2010**, 19, 255-274		97
198	Removal of disperse dye from aqueous solution using waste-derived activated carbon: optimization study. *Journal of Hazardous Materials*, **2009**, 170, 612-9	12.8	93

197	Bentazon and carbofuran adsorption onto date seed activated carbon: Kinetics and equilibrium. *Chemical Engineering Journal*, **2011**, 173, 361-368	14.7	92
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195	Preparation of oil palm (Elaeis) empty fruit bunch activated carbon by microwave-assisted KOH activation for the adsorption of methylene blue. *Desalination*, **2011**, 275, 302-305	10.3	90
194	Enhancement of basic dye adsorption uptake from aqueous solutions using chemically modified oil palm shell activated carbon. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 318, 88-96	5.1	90
193	Decontamination of textile wastewater via TiO2/activated carbon composite materials. *Advances in Colloid and Interface Science*, **2010**, 159, 130-43	14.3	89
192	Synthesis of glycerol carbonate by transesterification of glycerol with dimethyl carbonate over K-zeolite derived from coal fly ash. *Fuel Processing Technology*, **2014**, 126, 5-11	7.2	88
191	Recent advances in functionalized composite solid materials for carbon dioxide capture. *Energy*, **2017**, 124, 461-480	7.9	86
190	Value-added utilization of oil palm ash: a superior recycling of the industrial agricultural waste. *Journal of Hazardous Materials*, **2009**, 172, 523-31	12.8	84
189	Preparation and characterization of activated carbon from sunflower seed oil residue via microwave assisted K2CO3 activation. *Bioresource Technology*, **2011**, 102, 9794-9	11	82
188	A review on waste-derived adsorbents from sugar industry for pollutant removal in water and wastewater. *Journal of Molecular Liquids*, **2017**, 240, 179-188	6	80
187	Degradation of Acid Blue 29 in visible light radiation using iron modified mesoporous silica as heterogeneous Photo-Fenton catalyst. *Applied Catalysis A: General*, **2013**, 450, 96-105	5.1	80
186	Pillared montmorillonite supported ferric oxalate as heterogeneous photo-Fenton catalyst for degradation of amoxicillin. *Applied Catalysis A: General*, **2012**, 413-414, 301-309	5.1	80
185	Acid modified local clay beads as effective low-cost adsorbent for dynamic adsorption of methylene blue. *Journal of Industrial and Engineering Chemistry*, **2013**, 19, 1153-1161	6.3	78
184	Pyrolysis kinetics of raw and hydrothermally carbonized Karanj (Pongamia pinnata) fruit hulls via thermogravimetric analysis. *Bioresource Technology*, **2015**, 179, 227-233	11	78
183	Effect of pretreatment by different organic solvents on esterification activity and conformation of immobilized Pseudomonas cepacia lipase. *Process Biochemistry*, **2010**, 45, 1176-1180	4.8	78
182	A thermogravimetric analysis of the combustion kinetics of karanja (Pongamia pinnata) fruit hulls char. *Bioresource Technology*, **2016**, 200, 335-41	11	77
181	Preparation of activated carbon from sugarcane bagasse by microwave assisted activation for the remediation of semi-aerobic landfill leachate. *Bioresource Technology*, **2013**, 134, 166-72	11	77
180	Kinetic studies on carbon dioxide capture using lignocellulosic based activated carbon. *Energy*, **2013**, 61, 440-446	7.9	77

179	Adsorption characteristics of industrial solid waste derived activated carbon prepared by microwave heating for methylene blue. *Fuel Processing Technology*, **2012**, 99, 103-109	7.2	77
178	Removal of insecticide carbofuran from aqueous solutions by banana stalks activated carbon. *Journal of Hazardous Materials*, **2010**, 176, 814-9	12.8	77
177	Role of 3-aminopropyltriethoxysilane in the preparation of mesoporous silica nanoparticles for ibuprofen delivery: Effect on physicochemical properties. *Microporous and Mesoporous Materials*, **2013**, 180, 235-241	5.3	76
176	Microwave-assisted regeneration of activated carbon. *Bioresource Technology*, **2012**, 119, 234-40	11	76
175	Microwave-assisted preparation of pumpkin seed hull activated carbon and its application for the adsorptive removal of 2,4-dichlorophenoxyacetic acid. *Chemical Engineering Journal*, **2013**, 215-216, 383-388	14.7	75
174	Decolorization of Acid Red 1 dye solution by Fenton-like process using Fe□Montmorillonite K10 catalyst. *Chemical Engineering Journal*, **2010**, 165, 111-116	14.7	75
173	Mg1+xCa1□O2 as reusable and efficient heterogeneous catalyst for the synthesis of glycerol carbonate via the transesterification of glycerol with dimethyl carbonate. *Applied Catalysis A: General*, **2013**, 466, 272-281	5.1	73
172	Utilization of biodiesel waste as a renewable resource for activated carbon: Application to environmental problems. *Renewable and Sustainable Energy Reviews*, **2009**, 13, 2495-2504	16.2	70
171	Review on recent progress in chitosan/chitin-carbonaceous material composites for the adsorption of water pollutants. *Carbohydrate Polymers*, **2020**, 247, 116690	10.3	69
170	Utilization of sky fruit husk agricultural waste to produce high quality activated carbon for the herbicide bentazon adsorption. *Chemical Engineering Journal*, **2014**, 251, 183-191	14.7	69
169	Synthesis of hybrid SBA-15 functionalized with molybdophosphoric acid as efficient catalyst for glycerol esterification to fuel additives. *Applied Catalysis A: General*, **2012**, 433-434, 152-161	5.1	69
168	Effect of preparation conditions of oil palm fronds activated carbon on adsorption of bentazon from aqueous solutions. *Journal of Hazardous Materials*, **2010**, 175, 133-7	12.8	68
167	Adsorption of reactive dye on palm-oil industry waste: Equilibrium, kinetic and thermodynamic studies. *Desalination*, **2009**, 247, 551-560	10.3	67
166	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide. *Journal of Analytical and Applied Pyrolysis*, **2014**, 110, 172-180	6	66
165	Sugar cane bagasse as solid catalyst for synthesis of methyl esters from palm fatty acid distillate. *Chemical Engineering Journal*, **2012**, 183, 104-107	14.7	66
164	Oxidative decolorization of Acid Red 1 solutions by Fe□eolite Y type catalyst. *Desalination*, **2011**, 276, 45-52	10.3	66
163	A review on recent developments and progress in the kinetics and deactivation of catalytic acetylation of glycerol□A byproduct of biodiesel. *Renewable and Sustainable Energy Reviews*, **2017**, 74, 387-401	16.2	63
162	Solventless acetalization of glycerol with acetone to fuel oxygenates over Ni□r supported on mesoporous activated carbon catalyst. *Applied Catalysis A: General*, **2013**, 464-465, 191-199	5.1	62

161	Degradation of phenol in photo-Fenton process by phosphoric acid modified kaolin supported ferric-oxalate catalyst: Optimization and kinetic modeling. *Chemical Engineering Journal*, **2012**, 197, 181-192	14.7	62
160	Synthesis of fatty acid methyl esters via the transesterification of waste cooking oil by methanol with a barium-modified montmorillonite K10 catalyst. *Renewable Energy*, **2016**, 86, 392-398	8.1	60
159	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H3PO4-activated langsat empty fruit bunch. *Journal of Environmental Management*, **2015**, 154, 138-44	7.9	60
158	Insight into the co-pyrolysis of different blended feedstocks to biochar for the adsorption of organic and inorganic pollutants: A review. *Journal of Cleaner Production*, **2020**, 265, 121762	10.3	60
157	Improved production of fuel oxygenates via glycerol acetylation with acetic acid. *Chemical Engineering Journal*, **2014**, 243, 473-484	14.7	60
156	Combustion kinetics of hydrochar produced from hydrothermal carbonisation of Karanj (Pongamia pinnata) fruit hulls via thermogravimetric analysis. *Bioresource Technology*, **2015**, 194, 14-20	11	59
155	Zeolite-hydroxyapatite-activated oil palm ash composite for antibiotic tetracycline adsorption. *Fuel*, **2018**, 215, 499-505	7.1	59
154	High-surface-area and nitrogen-rich mesoporous carbon material from fishery waste for effective adsorption of methylene blue. *Powder Technology*, **2017**, 321, 428-434	5.2	58
153	Process Optimization for Biodiesel Production from Waste Cooking Palm Oil (Elaeis guineensis) Using Response Surface Methodology. *Energy & Fuels*, **2009**, 23, 1040-1044	4.1	58
152	Insight into the applications of palm oil mill effluent: A renewable utilization of the industrial agricultural waste. *Renewable and Sustainable Energy Reviews*, **2010**, 14, 1445-1452	16.2	58
151	Adsorption of carbon dioxide by diethanolamine activated alumina beads in a fixed bed. *Chemical Engineering Journal*, **2014**, 253, 350-355	14.7	57
150	Transesterification of palm oil to methyl ester on activated carbon supported calcium oxide catalyst. *Bioresource Technology*, **2011**, 102, 2659-64	11	57
149	Biofilm of cross-linked Chitosan-Ethylene Glycol Diglycidyl Ether for removal of Reactive Red 120 and Methyl Orange: Adsorption and mechanism studies. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102965	6.8	57
148	Batch adsorption of 2,4-dichlorophenol onto activated carbon derived from agricultural waste. *Desalination*, **2010**, 255, 159-164	10.3	56
147	Coffee waste as potential adsorbent for the removal of basic dyes from aqueous solution. *Korean Journal of Chemical Engineering*, **2014**, 31, 2198-2206	2.8	55
146	Synthesis of oxygenated fuel additives via glycerol esterification with acetic acid over bio-derived carbon catalyst. *Fuel*, **2017**, 209, 538-544	7.1	55
145	Preparation of banana frond activated carbon by microwave induced activation for the removal of boron and total iron from landfill leachate. *Chemical Engineering Journal*, **2013**, 223, 604-610	14.7	54
144	Preparation of tamarind fruit seed activated carbon by microwave heating for the adsorptive treatment of landfill leachate: A laboratory column evaluation. *Bioresource Technology*, **2013**, 133, 599-605	11	53

143	The environmental applications of activated carbon/zeolite composite materials. *Advances in Colloid and Interface Science*, **2011**, 162, 22-8	14.3	53
142	Chitosan-glyoxal film as a superior adsorbent for two structurally different reactive and acid dyes: Adsorption and mechanism study. *International Journal of Biological Macromolecules*, **2019**, 135, 569-581	7.9	52
141	A rapid regeneration of methylene blue dye-loaded activated carbons with microwave heating. *Journal of Analytical and Applied Pyrolysis*, **2012**, 98, 123-128	6	52
140	A cost effective method for regeneration of durian shell and jackfruit peel activated carbons by microwave irradiation. *Chemical Engineering Journal*, **2012**, 193-194, 404-409	14.7	52
139	Co-pyrolysis of sugarcane bagasse and waste high-density polyethylene: Synergistic effect and product distributions. *Energy*, **2020**, 191, 116545	7.9	52
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