

Bassim H Hameed

List of Publications by Year in descending order

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311
papers

45,559
citations

1163

111
h-index

2171

202
g-index

311
all docs

311
docs citations

311
times ranked

31117
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the modeling of adsorption isotherm systems. <i>Chemical Engineering Journal</i> , 2010, 156, 2-10.	6.6	5,747
2	Parameters affecting the photocatalytic degradation of dyes using TiO ₂ -based photocatalysts: A review. <i>Journal of Hazardous Materials</i> , 2009, 170, 520-529.	6.5	1,593
3	Adsorption of methylene blue onto bamboo-based activated carbon: Kinetics and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2007, 141, 819-825.	6.5	1,161
4	Adsorption of basic dye on high-surface-area activated carbon prepared from coconut husk: Equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , 2008, 154, 337-346.	6.5	939
5	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.	2.7	763
6	Equilibrium and kinetic studies on basic dye adsorption by oil palm fibre activated carbon. <i>Chemical Engineering Journal</i> , 2007, 127, 111-119.	6.6	649
7	Batch adsorption of methylene blue from aqueous solution by garlic peel, an agricultural waste biomass. <i>Journal of Hazardous Materials</i> , 2009, 164, 870-875.	6.5	644
8	Adsorption of basic dye (methylene blue) onto activated carbon prepared from rattan sawdust. <i>Dyes and Pigments</i> , 2007, 75, 143-149.	2.0	584
9	Adsorption isotherms, kinetics, thermodynamics and desorption studies of 2,4,6-trichlorophenol on oil palm empty fruit bunch-based activated carbon. <i>Journal of Hazardous Materials</i> , 2009, 164, 473-482.	6.5	571
10	Adsorption isotherm, kinetic modeling and mechanism of 2,4,6-trichlorophenol on coconut husk-based activated carbon. <i>Chemical Engineering Journal</i> , 2008, 144, 235-244.	6.6	546
11	Fixed-bed adsorption of reactive azo dye onto granular activated carbon prepared from waste. <i>Journal of Hazardous Materials</i> , 2010, 175, 298-303.	6.5	507
12	Equilibrium modeling and kinetic studies on the adsorption of basic dye by a low-cost adsorbent: Coconut (<i>Cocos nucifera</i>) bunch waste. <i>Journal of Hazardous Materials</i> , 2008, 158, 65-72.	6.5	501
13	The advancements in sol-gel method of doped-TiO ₂ photocatalysts. <i>Applied Catalysis A: General</i> , 2010, 375, 1-11.	2.2	490
14	Removal of phenol from aqueous solutions by adsorption onto activated carbon prepared from biomass material. <i>Journal of Hazardous Materials</i> , 2008, 160, 576-581.	6.5	480
15	Isotherms, kinetics and thermodynamics of acid dye adsorption on activated palm ash. <i>Chemical Engineering Journal</i> , 2007, 133, 195-203.	6.6	479
16	An overview of landfill leachate treatment via activated carbon adsorption process. <i>Journal of Hazardous Materials</i> , 2009, 171, 54-60.	6.5	450
17	Adsorption isotherm and kinetic modeling of 2,4-D pesticide on activated carbon derived from date stones. <i>Journal of Hazardous Materials</i> , 2009, 163, 121-126.	6.5	443
18	Spent tea leaves: A new non-conventional and low-cost adsorbent for removal of basic dye from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2009, 161, 753-759.	6.5	409

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19	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.	8.2	400
20	Adsorption of basic dye using activated carbon prepared from oil palm shell: batch and fixed bed studies. <i>Desalination</i> , 2008, 225, 13-28.	4.0	386
21	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.	6.6	348
22	Heterogeneous catalytic treatment of synthetic dyes in aqueous media using Fenton and photo-assisted Fenton process. <i>Desalination</i> , 2011, 269, 1-16.	4.0	345
23	Malachite green adsorption by rattan sawdust: Isotherm, kinetic and mechanism modeling. <i>Journal of Hazardous Materials</i> , 2008, 159, 574-579.	6.5	336
24	Recent developments in the preparation and regeneration of activated carbons by microwaves. <i>Advances in Colloid and Interface Science</i> , 2009, 149, 19-27.	7.0	316
25	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, 679-686.	4.8	314
26	Rejected tea as a potential low-cost adsorbent for the removal of methylene blue. <i>Journal of Hazardous Materials</i> , 2010, 175, 126-132.	6.5	313
27	Evaluation of papaya seeds as a novel non-conventional low-cost adsorbent for removal of methylene blue. <i>Journal of Hazardous Materials</i> , 2009, 162, 939-944.	6.5	308
28	A novel agricultural waste adsorbent for the removal of cationic dye from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2009, 162, 305-311.	6.5	304
29	Equilibrium and kinetic studies of methyl violet sorption by agricultural waste. <i>Journal of Hazardous Materials</i> , 2008, 154, 204-212.	6.5	297
30	Optimization of preparation conditions for activated carbons from coconut husk using response surface methodology. <i>Chemical Engineering Journal</i> , 2008, 137, 462-470.	6.6	297
31	Preparation of activated carbon from coconut husk: Optimization study on removal of 2,4,6-trichlorophenol using response surface methodology. <i>Journal of Hazardous Materials</i> , 2008, 153, 709-717.	6.5	296
32	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.	6.6	289
33	Batch removal of malachite green from aqueous solutions by adsorption on oil palm trunk fibre: Equilibrium isotherms and kinetic studies. <i>Journal of Hazardous Materials</i> , 2008, 154, 237-244.	6.5	288
34	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.	4.6	287
35	Adsorption of reactive dye onto cross-linked chitosan/oil palm ash composite beads. <i>Chemical Engineering Journal</i> , 2008, 136, 164-172.	6.6	285
36	Calcium alginate-bentonite-activated carbon composite beads as highly effective adsorbent for methylene blue. <i>Chemical Engineering Journal</i> , 2015, 270, 621-630.	6.6	276

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37	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.	3.8	273
38	Batch adsorption of phenol onto physiochemical-activated coconut shell. <i>Journal of Hazardous Materials</i> , 2009, 161, 1522-1529.	6.5	271
39	Recent progress on biomass co-pyrolysis conversion into high-quality bio-oil. <i>Bioresource Technology</i> , 2016, 221, 645-655.	4.8	269
40	Adsorption studies of basic dye on activated carbon derived from agricultural waste: Hevea brasiliensis seed coat. <i>Chemical Engineering Journal</i> , 2008, 139, 48-55.	6.6	264
41	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.	3.6	260
42	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.	2.9	257
43	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.	6.6	255
44	Modified mesoporous clay adsorbent for adsorption isotherm and kinetics of methylene blue. <i>Chemical Engineering Journal</i> , 2012, 198-199, 219-227.	6.6	253
45	Coconut husk derived activated carbon via microwave induced activation: Effects of activation agents, preparation parameters and adsorption performance. <i>Chemical Engineering Journal</i> , 2012, 184, 57-65.	6.6	251
46	Preparation of waste tea activated carbon using potassium acetate as an activating agent for adsorption of Acid Blue 25 dye. <i>Chemical Engineering Journal</i> , 2011, 171, 502-509.	6.6	248
47	Detoxification of pesticide waste via activated carbon adsorption process. <i>Journal of Hazardous Materials</i> , 2010, 175, 1-11.	6.5	235
48	Removal of cationic dye from aqueous solution using jackfruit peel as non-conventional low-cost adsorbent. <i>Journal of Hazardous Materials</i> , 2009, 162, 344-350.	6.5	228
49	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 . <i>Journal of Hazardous Materials</i> , 2008, 157, 344-351.	6.5	227
50	Removal of emerging pharmaceutical contaminants by adsorption in a fixed-bed column: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018, 149, 257-266.	2.9	226
51	Kinetics and equilibrium studies of malachite green adsorption on rice straw-derived char. <i>Journal of Hazardous Materials</i> , 2008, 153, 701-708.	6.5	216
52	Optimized waste tea activated carbon for adsorption of Methylene Blue and Acid Blue 29 dyes using response surface methodology. <i>Chemical Engineering Journal</i> , 2011, 175, 233-243.	6.6	212
53	Adsorption of direct dye on palm ash: Kinetic and equilibrium modeling. <i>Journal of Hazardous Materials</i> , 2007, 141, 70-76.	6.5	210
54	Adsorption of residue oil from palm oil mill effluent using powder and flake chitosan: Equilibrium and kinetic studies. <i>Water Research</i> , 2005, 39, 2483-2494.	5.3	206

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55	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.	3.6	196
56	Fe ²⁺ clay as effective heterogeneous Fenton catalyst for the decolorization of Reactive Blue 4. <i>Chemical Engineering Journal</i> , 2011, 171, 912-918.	6.6	195
57	Utilization of rice husk ash as novel adsorbent: A judicious recycling of the colloidal agricultural waste. <i>Advances in Colloid and Interface Science</i> , 2009, 152, 39-47.	7.0	186
58	Utilization of rice husks as a feedstock for preparation of activated carbon by microwave induced KOH and K ₂ CO ₃ activation. <i>Bioresource Technology</i> , 2011, 102, 9814-9817.	4.8	184
59	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.	8.2	182
60	Sorption of basic dye from aqueous solution by pomelo (<i>Citrus grandis</i>) peel in a batch system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 316, 78-84.	2.3	181
61	Adsorption of 2,4-dichlorophenoxyacetic acid and carbofuran pesticides onto granular activated carbon. <i>Desalination</i> , 2010, 256, 129-135.	4.0	180
62	Mesoporous activated carbon from wood sawdust by K ₂ CO ₃ activation using microwave heating. <i>Bioresource Technology</i> , 2012, 111, 425-432.	4.8	180
63	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.	6.6	177
64	Adsorption of pesticides from aqueous solution onto banana stalk activated carbon. <i>Chemical Engineering Journal</i> , 2011, 174, 41-48.	6.6	177
65	Sorption kinetics and isotherm studies of a cationic dye using agricultural waste: Broad bean peels. <i>Journal of Hazardous Materials</i> , 2008, 154, 639-648.	6.5	175
66	High-performance porous biochar from the pyrolysis of natural and renewable seaweed (<i>Gelidium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 159-164.	4.8	175
67	Equilibrium and kinetics studies of 2,4,6-trichlorophenol adsorption onto activated clay. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 307, 45-52.	2.3	174
68	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.	2.7	173
69	Modified oil palm leaves adsorbent with enhanced hydrophobicity for crude oil removal. <i>Chemical Engineering Journal</i> , 2012, 203, 9-18.	6.6	172
70	Mesoporous zeolite ²⁺ 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.	2.7	172
71	A short review of activated carbon assisted electrosorption process: An overview, current stage and future prospects. <i>Journal of Hazardous Materials</i> , 2009, 170, 552-559.	6.5	169
72	Decolorization of Acid Red 1 by Fenton-like process using rice husk ash-based catalyst. <i>Journal of Hazardous Materials</i> , 2010, 176, 938-944.	6.5	169

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73	Optimization of basic dye removal by oil palm fibre-based activated carbon using response surface methodology. <i>Journal of Hazardous Materials</i> , 2008, 158, 324-332.	6.5	168
74	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.	6.6	165
75	Sorption equilibrium and kinetics of basic dye from aqueous solution using banana stalk waste. <i>Journal of Hazardous Materials</i> , 2008, 158, 499-506.	6.5	162
76	Factors affecting the carbon yield and adsorption capability of the mangosteen peel activated carbon prepared by microwave assisted K ₂ CO ₃ activation. <i>Chemical Engineering Journal</i> , 2012, 180, 66-74.	6.6	162
77	Preparation and characterization of activated carbon from corncob by chemical activation with H ₃ PO ₄ for 2,4-dichlorophenoxyacetic acid adsorption. <i>Chemical Engineering Journal</i> , 2011, 173, 391-399.	6.6	160
78	Adsorption of methylene blue from aqueous solution onto NaOH-modified rejected tea. <i>Chemical Engineering Journal</i> , 2011, 166, 783-786.	6.6	159
79	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.	3.6	157
80	Removal of basic dye from aqueous medium using a novel agricultural waste material: Pumpkin seed hull. <i>Journal of Hazardous Materials</i> , 2008, 155, 601-609.	6.5	156
81	New magnetic Schiff's base-chitosan-glyoxal/fly ash/Fe ₃ O ₄ biocomposite for the removal of anionic azo dye: An optimized process. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 530-539.	3.6	155
82	Effect of preparation conditions of activated carbon from bamboo waste for real textile wastewater. <i>Journal of Hazardous Materials</i> , 2010, 173, 487-493.	6.5	153
83	Preparation of oil palm empty fruit bunch-based activated carbon for removal of 2,4,6-trichlorophenol: Optimization using response surface methodology. <i>Journal of Hazardous Materials</i> , 2009, 164, 1316-1324.	6.5	151
84	Microwave assisted preparation of activated carbon from pomelo skin for the removal of anionic and cationic dyes. <i>Chemical Engineering Journal</i> , 2011, 173, 385-390.	6.6	149
85	Batch and fixed-bed adsorption of 2,4-dichlorophenoxyacetic acid onto oil palm frond activated carbon. <i>Chemical Engineering Journal</i> , 2011, 174, 33-40.	6.6	148
86	Potential of jackfruit peel as precursor for activated carbon prepared by microwave induced NaOH activation. <i>Bioresource Technology</i> , 2012, 112, 143-150.	4.8	148
87	Review on recent progress in chitosan/chitin-carbonaceous material composites for the adsorption of water pollutants. <i>Carbohydrate Polymers</i> , 2020, 247, 116690.	5.1	147
88	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.	2.7	145
89	Production of biodiesel from palm oil (<i>Elaeis guineensis</i>) using heterogeneous catalyst: An optimized process. <i>Fuel Processing Technology</i> , 2009, 90, 606-610.	3.7	144
90	Degradation of malachite green in aqueous solution by Fenton process. <i>Journal of Hazardous Materials</i> , 2009, 164, 468-472.	6.5	144

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91	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.	4.8	142
92	Porous structure and adsorptive properties of pineapple peel based activated carbons prepared via microwave assisted KOH and K ₂ CO ₃ activation. <i>Microporous and Mesoporous Materials</i> , 2012, 148, 191-195.	2.2	140
93	Reduction of COD and color of dyeing effluent from a cotton textile mill by adsorption onto bamboo-based activated carbon. <i>Journal of Hazardous Materials</i> , 2009, 172, 1538-1543.	6.5	138
94	An overview of dye removal via activated carbon adsorption process. <i>Desalination and Water Treatment</i> , 2010, 19, 255-274.	1.0	138
95	Ammonia-modified activated carbon for the adsorption of 2,4-dichlorophenol. <i>Chemical Engineering Journal</i> , 2011, 169, 180-185.	6.6	138
96	Textural porosity, surface chemistry and adsorptive properties of durian shell derived activated carbon prepared by microwave assisted NaOH activation. <i>Chemical Engineering Journal</i> , 2012, 187, 53-62.	6.6	138
97	Acetylation of glycerol to biofuel additives over sulfated activated carbon catalyst. <i>Bioresource Technology</i> , 2011, 102, 9229-9235.	4.8	137
98	Preparation of activated carbon from date stones by microwave induced chemical activation: Application for methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2011, 170, 338-341.	6.6	137
99	Utilization of durian (<i>Durio zibethinus</i> Murray) peel as low cost sorbent for the removal of acid dye from aqueous solutions. <i>Biochemical Engineering Journal</i> , 2008, 39, 338-343.	1.8	132
100	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.	4.6	132
101	Amino modified mesostructured silica nanoparticles for efficient adsorption of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 307-314.	5.0	130
102	Preparation and characterization of activated carbon from pistachio nut shells via microwave-induced chemical activation. <i>Biomass and Bioenergy</i> , 2011, 35, 3257-3261.	2.9	128
103	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.	4.8	128
104	Grass waste: A novel sorbent for the removal of basic dye from aqueous solution. <i>Journal of Hazardous Materials</i> , 2009, 166, 233-238.	6.5	126
105	Microwave-assisted preparation of oil palm fiber activated carbon for methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2011, 166, 792-795.	6.6	125
106	Coalesced chitosan activated carbon composite for batch and fixed-bed adsorption of cationic and anionic dyes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 199-206.	2.5	125
107	Bentazon and carbofuran adsorption onto date seed activated carbon: Kinetics and equilibrium. <i>Chemical Engineering Journal</i> , 2011, 173, 361-368.	6.6	120
108	Adsorption of 4-chlorophenol onto activated carbon prepared from rattan sawdust. <i>Desalination</i> , 2008, 225, 185-198.	4.0	116

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109	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. <i>Chemical Engineering Journal</i> , 2013, 229, 388-398.	6.6	116
110	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.	2.3	116
111	Co-pyrolysis of sugarcane bagasse and waste high-density polyethylene: Synergistic effect and product distributions. <i>Energy</i> , 2020, 191, 116545.	4.5	116
112	Enhancement of basic dye adsorption uptake from aqueous solutions using chemically modified oil palm shell activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 88-96.	2.3	115
113	Recent advances in functionalized composite solid materials for carbon dioxide capture. <i>Energy</i> , 2017, 124, 461-480.	4.5	115
114	Utilization of bivalve shell-treated <i>Zea mays</i> L. (maize) husk leaf as a low-cost biosorbent for enhanced adsorption of malachite green. <i>Bioresource Technology</i> , 2012, 120, 218-224.	4.8	112
115	Decontamination of textile wastewater via TiO ₂ /activated carbon composite materials. <i>Advances in Colloid and Interface Science</i> , 2010, 159, 130-143.	7.0	110
116	Removal of disperse dye from aqueous solution using waste-derived activated carbon: Optimization study. <i>Journal of Hazardous Materials</i> , 2009, 170, 612-619.	6.5	107
117	Value-added utilization of oil palm ash: A superior recycling of the industrial agricultural waste. <i>Journal of Hazardous Materials</i> , 2009, 172, 523-531.	6.5	104
118	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.	3.3	103
119	A thermogravimetric analysis of the combustion kinetics of karanja (<i>Pongamia pinnata</i>) fruit hulls char. <i>Bioresource Technology</i> , 2016, 200, 335-341.	4.8	102
120	Preparation and characterization of activated carbon from sunflower seed oil residue via microwave assisted K ₂ CO ₃ activation. <i>Bioresource Technology</i> , 2011, 102, 9794-9799.	4.8	101
121	Kinetic studies on carbon dioxide capture using lignocellulosic based activated carbon. <i>Energy</i> , 2013, 61, 440-446.	4.5	101
122	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.	3.7	101
123	Preparation of oil palm (<i>Elaeis</i>) empty fruit bunch activated carbon by microwave-assisted KOH activation for the adsorption of methylene blue. <i>Desalination</i> , 2011, 275, 302-305.	4.0	100
124	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.	4.3	100
125	Pillared montmorillonite supported ferric oxalate as heterogeneous photo-Fenton catalyst for degradation of amoxicillin. <i>Applied Catalysis A: General</i> , 2012, 413-414, 301-309.	2.2	95
126	Acid modified local clay beads as effective low-cost adsorbent for dynamic adsorption of methylene blue. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1153-1161.	2.9	95

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127	Microwave-assisted preparation of pumpkin seed hull activated carbon and its application for the adsorptive removal of 2,4-dichlorophenoxyacetic acid. <i>Chemical Engineering Journal</i> , 2013, 215-216, 383-388.	6.6	93
128	Zeolite-hydroxyapatite-activated oil palm ash composite for antibiotic tetracycline adsorption. <i>Fuel</i> , 2018, 215, 499-505.	3.4	93
129	Microwave-assisted regeneration of activated carbon. <i>Bioresource Technology</i> , 2012, 119, 234-240.	4.8	92
130	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, 166-172.	4.8	92
131	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.	2.2	91
132	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.	4.8	91
133	Removal of insecticide carbofuran from aqueous solutions by banana stalks activated carbon. <i>Journal of Hazardous Materials</i> , 2010, 176, 814-819.	6.5	89
134	Adsorption characteristics of industrial solid waste derived activated carbon prepared by microwave heating for methylene blue. <i>Fuel Processing Technology</i> , 2012, 99, 103-109.	3.7	89
135	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.	2.6	88
136	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.	2.2	87
137	Utilization of biodiesel waste as a renewable resource for activated carbon: Application to environmental problems. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2495-2504.	8.2	86
138	Decolorization of Acid Red 1 dye solution by Fenton-like process using Fe ²⁺ -Montmorillonite K10 catalyst. <i>Chemical Engineering Journal</i> , 2010, 165, 111-116.	6.6	86
139	Effect of pretreatment by different organic solvents on esterification activity and conformation of immobilized <i>Pseudomonas cepacia</i> lipase. <i>Process Biochemistry</i> , 2010, 45, 1176-1180.	1.8	85
140	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.	6.6	84
141	A review on recent developments and progress in the kinetics and deactivation of catalytic acetylation of glycerol—A byproduct of biodiesel. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 387-401.	8.2	84
142	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.	2.2	83
143	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.	4.6	83
144	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.	2.2	82

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145	Adsorption of reactive dye on palm-oil industry waste: Equilibrium, kinetic and thermodynamic studies. <i>Desalination</i> , 2009, 247, 551-560.	4.0	81
146	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed. <i>Energy</i> , 2014, 77, 926-931.	4.5	81
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