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	A comprehensive review on application of plant-based bioadsorbents for Congo red removal. Biomass Conversion and Biorefinery, 2024, 14, 4511-4537.	2.9	16
2	Valorization of biodiesel byproduct glycerol to glycerol carbonate using highly reusable apatite-like catalyst derived from waste Gastropoda Mollusca. Biomass Conversion and Biorefinery, 2023, 13, 619-631.	2.9	6
3	A mini review of recent progress in the removal of emerging contaminants from pharmaceutical waste using various adsorbents. Environmental Science and Pollution Research, 2023, 30, 124459-124473.	2.7	10
4	Fenton oxidation for soil remediation: A critical review of observations in historically contaminated soils. Journal of Hazardous Materials, 2022, 424, 127670.	6.5	50
5	Comparative Investigation of the Physicochemical Properties of Chars Produced by Hydrothermal Carbonization, Pyrolysis, and Microwave-Induced Pyrolysis of Food Waste. Polymers, 2022, 14, 821.	2.0	4
6	Spectral and Structural Properties of High-Quality Reduced Graphene Oxide Produced via a Simple Approach Using Tetraethylenepentamine. Nanomaterials, 2022, 12, 1240.	1.9	6
7	Effect of Hydrothermal Carbonization Parameters and Performance of Carbon Dioxide Adsorption on Pineapple Peel Waste Biochar. Chemical Engineering and Technology, 2022, 45, 1982-1989.	0.9	7
8	Intermediate Pyrolysis of Desert Date Shell for Conversion to Highâ€Quality Biomaterial Resources. Chemical Engineering and Technology, 2022, 45, 1998-2007.	0.9	3
9	Thermocatalytic routes and reactor strategies for valorization of biodiesel-derived glycerol to fuels. Applied Thermal Engineering, 2022, 214, 118901.	3.0	6
10	Utilization of biochars as sustainable catalysts for upgrading of glycerol from biodiesel production. Journal of Environmental Chemical Engineering, 2021, 9, 104768.	3.3	13
11	Dark-Fenton oxidative degradation of methylene blue and acid blue 29 dyes using sulfuric acid-activated slag of the steel-making process. Journal of Environmental Chemical Engineering, 2021, 9, 104831.	3.3	24
12	Desorption of chloramphenicol from ordered mesoporous carbon-alginate beads: Effects of operating parameters, and isotherm, kinetics, and regeneration studies. Journal of Environmental Chemical Engineering, 2021, 9, 105015.	3.3	21
13	Recent progress on catalytic co-pyrolysis of plastic waste and lignocellulosic biomass to liquid fuel: The influence of technical and reaction kinetic parameters. Arabian Journal of Chemistry, 2021, 14, 103035.	2.3	51
14	Insight into the chemically modified crop straw adsorbents for the enhanced removal of water contaminants: A review. Journal of Molecular Liquids, 2021, 330, 115616.	2.3	27
15	Co-hydrothermal carbonization of different feedstocks to hydrochar as potential energy for the future world: A review. Journal of Cleaner Production, 2021, 298, 126734.	4.6	83
16	A Review on the Treatment of Petroleum Refinery Wastewater Using Advanced Oxidation Processes. Catalysts, 2021, 11, 782.	1.6	52
17	Encapsulated biochar-based sustained release fertilizer for precision agriculture: A review. Journal of Cleaner Production, 2021, 303, 127018.	4.6	75
18	A review on microwave-assisted synthesis of adsorbents and its application in the removal of water pollutants. Journal of Water Process Engineering, 2021, 41, 102006.	2.6	22

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19	Chitosan-derived hydrothermally carbonized materials and its applications: A review of recent literature. International Journal of Biological Macromolecules, 2021, 186, 314-327.	3.6	45
20	Lithium loaded coal fly ash as sustainable and effective catalyst for the synthesis of glycerol carbonate from glycerol. Journal of Environmental Chemical Engineering, 2021, 9, 105999.	3.3	18
21	Recent Progress on Nanomaterial-Based Membranes for Water Treatment. Membranes, 2021, 11, 995.	1.4	28
22	Deoxygenation of pyrolysis vapour derived from durian shell using catalysts prepared from industrial wastes rich in Ca, Fe, Si and Al. Science of the Total Environment, 2020, 703, 134902.	3.9	11
23	New magnetic Schiff's base-chitosan-glyoxal/fly ash/Fe3O4 biocomposite for the removal of anionic azo dye: An optimized process. International Journal of Biological Macromolecules, 2020, 146, 530-539.	3.6	155
24	Co-pyrolysis of sugarcane bagasse and waste high-density polyethylene: Synergistic effect and product distributions. Energy, 2020, 191, 116545.	4.5	116
25	A review on recent trends in reactor systems and azeotrope separation strategies for catalytic conversion of biodiesel-derived glycerol. Science of the Total Environment, 2020, 719, 134595.	3.9	25
26	Adsorption of endocrine disrupting compounds and other emerging contaminants using lignocellulosic biomass-derived porous carbons: A review. Journal of Water Process Engineering, 2020, 38, 101380.	2.6	50
27	Mesoporous biohybrid epichlorohydrin crosslinked chitosan/carbonâ€“clay adsorbent for effective cationic and anionic dyes adsorption. International Journal of Biological Macromolecules, 2020, 163, 1079-1086.	3.6	66
28	Amino-functionalised silica-grafted molecularly imprinted polymers for chloramphenicol adsorption. Journal of Environmental Chemical Engineering, 2020, 8, 103981.	3.3	29
29	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. Journal of Environmental Chemical Engineering, 2020, 8, 104199.	3.3	34
30	Review on recent progress in chitosan/chitin-carbonaceous material composites for the adsorption of water pollutants. Carbohydrate Polymers, 2020, 247, 116690.	5.1	147
31	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.	4.6	132
32	Solar light responsive <scp>TiO₂â€ZnO</scp>, modified with graphitic carbon nitride nanoâ€sheet for degradation of <scp>AB29</scp>. Journal of Chemical Technology and Biotechnology, 2020, 95, 2674-2683.	1.6	8
33	Insights into the isotherm and kinetic models for the coadsorption of pharmaceuticals in the absence and presence of metal ions: A review. Journal of Environmental Management, 2019, 252, 109617.	3.8	43
34	Single-step pyrolysis of phosphoric acid-activated chitin for efficient adsorption of cephalexin antibiotic. Bioresource Technology, 2019, 280, 255-259.	4.8	70
35	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.	3.6	76
36	Catalytic co-pyrolysis of sugarcane bagasse and waste high-density polyethylene over faujasite-type zeolite. Bioresource Technology, 2019, 284, 406-414.	4.8	58

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37	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.	3.3	103
38	Product distribution of the thermal and catalytic fast pyrolysis of karanja (Pongamia pinnata) fruit hulls over a reusable silica-alumina catalyst. Fuel, 2019, 245, 89-95.	3.4	19
39	Hydrogenation of glucose and fructose into hexitols over heterogeneous catalysts: A review. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 341-352.	2.7	39
40	High-performance porous biochar from the pyrolysis of natural and renewable seaweed (Gelidiella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 159-164.	4.8	175
41	Transesterification of biodiesel byproduct glycerol and dimethyl carbonate over porous biochar derived from pyrolysis of fishery waste. Energy Conversion and Management, 2018, 165, 794-800.	4.4	39
42	Zeolite-hydroxyapatite-activated oil palm ash composite for antibiotic tetracycline adsorption. Fuel, 2018, 215, 499-505.	3.4	93
43	NaY zeolite from wheat (Triticum aestivum L.) straw ash used for the adsorption of tetracycline. Journal of Cleaner Production, 2018, 172, 602-608.	4.6	51
44	Pyrolysis of oil palm mesocarp fiber catalyzed with steel slag-derived zeolite for bio-oil production. Bioresource Technology, 2018, 249, 42-48.	4.8	43
45	Removal of emerging pharmaceutical contaminants by adsorption in a fixed-bed column: A review. Ecotoxicology and Environmental Safety, 2018, 149, 257-266.	2.9	226
46	Catalytic fast pyrolysis of durian rind using silica-alumina catalyst: Effects of pyrolysis parameters. Bioresource Technology, 2018, 264, 198-205.	4.8	40
47	Adsorption behavior of salicylic acid on biochar as derived from the thermal pyrolysis of barley straws. Journal of Cleaner Production, 2018, 195, 1162-1169.	4.6	71
48	Melamine-nitrogenated mesoporous activated carbon derived from rice husk for carbon dioxide adsorption in fixed-bed. Energy, 2018, 155, 46-55.	4.5	76
49	Photocatalytic degradation of pollutants in petroleum refinery wastewater by TiO2- and ZnO-based photocatalysts: Recent development. Journal of Cleaner Production, 2018, 205, 930-954.	4.6	287
50	Chitosanâ€“bleaching earth clay composite as an efficient adsorbent for carbon dioxide adsorption: Process optimization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 9-15.	2.3	17
51	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.	8.2	400
52	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.	3.6	260
53	Mesoporous activated carbon prepared from NaOH activation of rattan (Lacosperma secundiflorum) hydrochar for methylene blue removal. Ecotoxicology and Environmental Safety, 2017, 138, 279-285.	2.9	257
54	A review on recent developments and progress in the kinetics and deactivation of catalytic acetylation of glycerolâ€”A byproduct of biodiesel. Renewable and Sustainable Energy Reviews, 2017, 74, 387-401.	8.2	84

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55	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.	2.7	173
56	Recent advances in functionalized composite solid materials for carbon dioxide capture. Energy, 2017, 124, 461-480.	4.5	115
57	Upgrading of glycerol from biodiesel synthesis with dimethyl carbonate on reusable Srâ€“Al mixed oxide catalysts. Energy Conversion and Management, 2017, 138, 183-189.	4.4	62
58	A review on waste-derived adsorbents from sugar industry for pollutant removal in water and wastewater. Journal of Molecular Liquids, 2017, 240, 179-188.	2.3	116
59	Synthesis of glycerol carbonate from biodiesel by-product glycerol over calcined dolomite. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 179-187.	2.7	65
60	Pyrolysis of oil palm mesocarp fiber and palm frond in a slow-heating fixed-bed reactor: A comparative study. Bioresource Technology, 2017, 241, 563-572.	4.8	74
61	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.	2.7	763
62	Activated electric arc furnace slag as an effective and reusable Fenton-like catalyst for the photodegradation of methylene blue and acid blue 29. Journal of Environmental Management, 2017, 196, 323-329.	3.8	41
63	Mesoporous carbonaceous material from fish scales as low-cost adsorbent for reactive orange 16 adsorption. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 47-54.	2.7	75
64	Cross-linked chitosan thin film coated onto glass plate as an effective adsorbent for adsorption of reactive orange 16. International Journal of Biological Macromolecules, 2017, 95, 743-749.	3.6	59
65	Activated carbonâ€“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. Chemical Engineering Research and Design, 2017, 128, 221-230.	2.7	53
66	Adsorption of acid blue 29 and methylene blue on mesoporous K2CO3-activated olive pomace boiler ash. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 535, 157-165.	2.3	36
67	Biodiesel byproduct glycerol upgrading to glycerol carbonate over lithiumâ€“oil palm ash zeolite. Energy Conversion and Management, 2017, 151, 472-480.	4.4	45
68	Fast pyrolysis of durian (Durio zibethinus L) shell in a drop-type fixed bed reactor: Pyrolysis behavior and product analyses. Bioresource Technology, 2017, 243, 85-92.	4.8	43
69	An evaluation of the reliability of the characterization of the porous structure of activated carbons based on incomplete nitrogen adsorption isotherms. Journal of Molecular Modeling, 2017, 23, 238.	0.8	6
70	Reusable nitrogen-doped mesoporous carbon adsorbent for carbon dioxide adsorption in fixed-bed. Energy, 2017, 138, 776-784.	4.5	48
71	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption. Journal of Environmental Management, 2017, 203, 237-244.	3.8	273
72	Synthesis of oxygenated fuel additives via glycerol esterification with acetic acid over bio-derived carbon catalyst. Fuel, 2017, 209, 538-544.	3.4	79

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73	High-surface-area and nitrogen-rich mesoporous carbon material from fishery waste for effective adsorption of methylene blue. Powder Technology, 2017, 321, 428-434.	2.1	74
74	Human hair-derived high surface area porous carbon material for the adsorption isotherm and kinetics of tetracycline antibiotics. Bioresource Technology, 2017, 243, 778-784.	4.8	142
75	Mesoporous zeoliteâ€“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.	2.7	172
76	Stabilized ladle furnace steel slag for glycerol carbonate synthesis via glycerol transesterification reaction with dimethyl carbonate. Energy Conversion and Management, 2017, 133, 477-485.	4.4	68
77	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.	3.6	157
78	Mercerized mesoporous date pit activated carbonâ€”A novel adsorbent to sequester potentially toxic divalent heavy metals from water. PLoS ONE, 2017, 12, e0184493.	1.1	41
79	Chromiumâ€“tungstenâ€“manganese oxides for synthesis of fatty acid methyl ester via esterification of palm fatty acid distillate. Energy, 2017, 141, 1989-1997.	4.5	19
80	Synthesis of fatty acid methyl ester from the transesterification of high- and low-acid-content crude palm oil (Elaeis guineensis) and karanj oil (Pongamia pinnata) over a calciumâ€“lanthanumâ€“aluminum mixed-oxides catalyst. Bioresource Technology, 2016, 214, 248-252.	4.8	38
81	Recent progress on biomass co-pyrolysis conversion into high-quality bio-oil. Bioresource Technology, 2016, 221, 645-655.	4.8	269
82	Glycerol carbonate synthesis from glycerol and dimethyl carbonate using trisodium phosphate. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 51-58.	2.7	53
83	Cross-linked chitosan/sepiolite composite for the adsorption of methylene blue and reactive orange 16. International Journal of Biological Macromolecules, 2016, 93, 1231-1239.	3.6	196
84	Activated electric arc furnace slag as an efficient and reusable heterogeneous Fenton-like catalyst for the degradation of Reactive Black 5. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 235-243.	2.7	47
85	Adsorption behavior of cadmium ions onto phosphoric acid-impregnated microwave-induced mesoporous activated carbon. Journal of Water Process Engineering, 2016, 14, 60-70.	2.6	50
86	Catalytic pyrolysis of oil palm mesocarp fibre on a zeolite derived from low-cost oil palm ash. Energy Conversion and Management, 2016, 127, 265-272.	4.4	48
87	Economically viable production of biodiesel from a rural feedstock from eastern India, P. pinnata oil using a recyclable laboratory synthesized heterogeneous catalyst. Energy Conversion and Management, 2016, 122, 52-62.	4.4	39
88	Kinetics and deactivation of a dual-site heterogeneous oxide catalyst during the transesterification of crude jatropha oil with methanol. Journal of Taibah University for Science, 2016, 10, 685-699.	1.1	20
89	A thermogravimetric analysis of the combustion kinetics of karanja (Pongamia pinnata) fruit hulls char. Bioresource Technology, 2016, 200, 335-341.	4.8	102
90	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.	8.2	182

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91	Synthesis of fatty acid methyl esters via the transesterification ofÂwaste cooking oil by methanol with a barium-modified montmorillonite K10 catalyst. Renewable Energy, 2016, 86, 392-398.	4.3	100
92	Transesterification of waste cooking palm oil and palm oil to fatty acid methyl ester using cesium-modified silica catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 226-234.	2.7	33
93	Synthesis of glycerol free-fatty acid methyl esters from Jatropha oil over Caâ€“La mixed-oxide catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 181-188.	2.7	28
94	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.	6.6	165
95	Pyrolysis kinetics of raw and hydrothermally carbonized Karanj (Pongamia pinnata) fruit hulls via thermogravimetric analysis. Bioresource Technology, 2015, 179, 227-233.	4.8	91
96	Calcium alginateâ€“bentoniteâ€“activated carbon composite beads as highly effective adsorbent for methylene blue. Chemical Engineering Journal, 2015, 270, 621-630.	6.6	276
97	Photocatalytic activity of solâ€“gel-derived mesoporous TiO₂thin films for reactive orange 16 degradation. Desalination and Water Treatment, 2015, 53, 3604-3614.	1.0	13
98	Combustion kinetics of hydrochar produced from hydrothermal carbonisation of Karanj (Pongamia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	67
99	New insight into electrochemical-induced synthesis of NiAl2O4/Al2O3: Synergistic effect of surface hydroxyl groups and magnetism for enhanced adsorptivity of Pd(II). Applied Surface Science, 2015, 349, 485-495.	3.1	45
100	Chromiumâ€“tungsten heterogeneous catalyst for esterification of palm fatty acid distillate to fatty acid methyl ester. Journal of the Taiwan Institute of Chemical Engineers, 2015, 54, 64-70.	2.7	27
101	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H3PO4-activated langsat empty fruit bunch. Journal of Environmental Management, 2015, 154, 138-144.	3.8	80
102	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.	2.7	145
103	Transesterification of Jatropha oil with dimethyl carbonate to produce fatty acid methyl ester over reusable Caâ€“Laâ€“Al mixed-oxide catalyst. Energy Conversion and Management, 2015, 106, 1356-1361.	4.4	26
104	2,4-Dichlorophenoxyacetic acid adsorption onto coconut shell-activated carbon: isotherm and kinetic modeling. Desalination and Water Treatment, 2015, 55, 132-141.	1.0	40
105	Ordered mesoporous carbons originated from non-edible polyethylene glycol 400 (PEG-400) for chloramphenicol antibiotic recovery from liquid phase. Chemical Engineering Journal, 2015, 260, 730-739.	6.6	42
106	Developments in activated functionalized carbons and their applications in water decontamination: a review. Desalination and Water Treatment, 2015, 54, 422-449.	1.0	19
107	Adsorptive removal of methylene blue using the natural adsorbent-banana leaves. Desalination and Water Treatment, 2014, 52, 6104-6112.	1.0	39
108	Food cannery effluent, pineapple peel as an effective low-cost biosorbent for removing cationic dye from aqueous solutions. Desalination and Water Treatment, 2014, 52, 6096-6103.	1.0	25

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109	Adsorption of carbon dioxide by diethanolamine activated alumina beads in a fixed bed. Chemical Engineering Journal, 2014, 253, 350-355.	6.6	75
110	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.	6.6	255
111	Improved production of fuel oxygenates via glycerol acetylation with acetic acid. Chemical Engineering Journal, 2014, 243, 473-484.	6.6	78
112	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.	6.6	84
113	Variation of the crystal growth of mesoporous silica nanoparticles and the evaluation to ibuprofen loading and release. Journal of Colloid and Interface Science, 2014, 421, 6-13.	5.0	56
114	Transesterification of waste cooking palm oil by MnZr with supported alumina as a potential heterogeneous catalyst. Journal of Industrial and Engineering Chemistry, 2014, 20, 4437-4442.	2.9	53
115	Optimized and functionalized paper sludge activated with potassium fluoride for single and binary adsorption of reactive dyes. Journal of Industrial and Engineering Chemistry, 2014, 20, 830-840.	2.9	38
116	Adsorption of cationic dye using a low-cost biowaste adsorbent: equilibrium, kinetic, and thermodynamic study. Desalination and Water Treatment, 2014, 52, 6088-6095.	1.0	9
117	Chitosanâ€“clay composite as highly effective and low-cost adsorbent for batch and fixed-bed adsorption of methylene blue. Chemical Engineering Journal, 2014, 237, 352-361.	6.6	348
118	Coffee waste as potential adsorbent for the removal of basic dyes from aqueous solution. Korean Journal of Chemical Engineering, 2014, 31, 2198-2206.	1.2	75
119	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed. Energy, 2014, 77, 926-931.	4.5	81
120	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide. Journal of Analytical and Applied Pyrolysis, 2014, 110, 172-180.	2.6	88
121	Adsorption of methylene blue onto papaya leaves: comparison of linear and nonlinear isotherm analysis. Desalination and Water Treatment, 2014, 52, 6712-6719.	1.0	24
122	Development and photocatalytic activities of TiO₂doped with Caâ€“Ceâ€“W in the degradation of acid red 1 under visible light irradiation. Desalination and Water Treatment, 2014, 52, 5639-5651.	1.0	12
123	One-pot synthesis of glycidol from glycerol and dimethyl carbonate over KF/sepiolite catalyst. Applied Catalysis A: General, 2014, 487, 181-188.	2.2	41
124	Modeling of disperse dye adsorption onto bamboo-based activated carbon in fixed-bed column. Desalination and Water Treatment, 2014, 52, 248-256.	1.0	19
125	Highly active alumina-supported Csâ€“Zr mixed oxide catalysts for low-temperature transesterification of waste cooking oil. Applied Catalysis A: General, 2014, 487, 16-25.	2.2	54
126	Chromiumâ€“tungstenâ€“titanium mixed oxides solid catalyst for fatty acid methyl ester synthesis from palm fatty acid distillate. Energy Conversion and Management, 2014, 88, 669-676.	4.4	17

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127	Iron-clay as a reusable heterogeneous Fenton-like catalyst for decolorization of Acid Green 25. Desalination and Water Treatment, 2014, 52, 5583-5593.	1.0	12
128	Selective Acetalization of Glycerol with Acetone Over Nickel Nanoparticles Supported on Multi-Walled Carbon Nanotubes. Catalysis Letters, 2014, 144, 1009-1015.	1.4	22
129	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.	3.7	101
130	Fixed-bed catalytic and non-catalytic empty fruit bunch biomass pyrolysis. Journal of Analytical and Applied Pyrolysis, 2014, 107, 67-72.	2.6	57
131	Synthesis of fatty acid methyl esters via the methanolysis of palm oil over Ca3.5Zr0.5Al O3 mixed oxide catalyst. Renewable Energy, 2014, 66, 680-685.	4.3	29
132	Fe-modified local clay as effective and reusable heterogeneous photo-Fenton catalyst for the decolorization of Acid Green 25. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1459-1467.	2.7	38
133	Synthesis of FAME from the methanolysis of palm fatty acid distillate using highly active solid oxide acid catalyst. Fuel Processing Technology, 2014, 124, 54-60.	3.7	29
134	Mg1+xCa1â^'xO2 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.	2.2	82
135	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.	2.2	91
136	Solventless acetalization of glycerol with acetone to fuel oxygenates over Niâ€“Zr supported on mesoporous activated carbon catalyst. Applied Catalysis A: General, 2013, 464-465, 191-199.	2.2	83
137	Production of biodiesel fuel by transesterification of different vegetable oils with methanol using Al2O3 modified MgZnO catalyst. Bioresource Technology, 2013, 132, 103-108.	4.8	31
138	Utilization of oil palm biodiesel solid residue as renewable sources for preparation of granular activated carbon by microwave induced KOH activation. Bioresource Technology, 2013, 130, 696-702.	4.8	63
139	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. Chemical Engineering Journal, 2013, 229, 388-398.	6.6	116
140	Synthesis of methyl esters from waste cooking oil using construction waste material as solid base catalyst. Bioresource Technology, 2013, 128, 788-791.	4.8	45
141	A highly active clay-based catalyst for the synthesis of fatty acid methyl ester from waste cooking palm oil. Applied Catalysis A: General, 2013, 450, 57-62.	2.2	69
142	Development of kaolinite supported ferric oxalate heterogeneous catalyst for degradation of 4-nitrophenol in photo-Fenton process. Applied Clay Science, 2013, 83-84, 171-181.	2.6	40
143	Preparation of activated carbon from sugarcane bagasse by microwave assisted activation for the remediation of semi-aerobic landfill leachate. Bioresource Technology, 2013, 134, 166-172.	4.8	92
144	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.	2.2	87

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145	Kinetic studies on carbon dioxide capture using lignocellulosic based activated carbon. Energy, 2013, 61, 440-446.	4.5	101
146	Batch adsorption of semi-aerobic landfill leachate by granular activated carbon prepared by microwave heating. Chemical Engineering Journal, 2013, 222, 259-264.	6.6	56
147	Organic dye adsorption on activated carbon derived from solid waste. Desalination and Water Treatment, 2013, 51, 2554-2563.	1.0	40
148	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.	2.5	125
149	Fixed-bed column adsorption of carbon dioxide by sodium hydroxide modified activated alumina. Chemical Engineering Journal, 2013, 233, 80-87.	6.6	57
150	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.	6.6	72
151	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.	6.6	93
152	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.	2.9	95
153	Riboflavin adsorption onto multi-modal mesoporous carbon synthesized from polyethylene glycol 400. Chemical Engineering Journal, 2013, 215-216, 297-305.	6.6	7
154	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.	4.8	63
155	Yttrium-grafted mesostructured SBA-3 catalyst for the transesterification of glycerol with methyl acetate to synthesize fuel oxygenates. Applied Catalysis A: General, 2013, 460-461, 61-69.	2.2	20
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