

Ali Abedi

List of Publications by Year in descending order

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196
papers

8,928
citations

47409

49
h-index

58552

86
g-index

199
all docs

199
docs citations

199
times ranked

9267
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of carbamazepine from water by hydrothermally and steam activated agricultural by-products: equilibrium, site energy, and thermodynamic studies. <i>Chemical Engineering Communications</i> , 2022, 209, 852-867.	1.5	7
2	Hydrothermal flames for subaquatic, terrestrial and extraterrestrial applications. <i>Journal of Hazardous Materials</i> , 2022, 424, 127520.	6.5	9
3	Comparative study on fuel characteristics and pyrolysis kinetics of corn residue-based hydrochar produced via microwave hydrothermal carbonization. <i>Chemosphere</i> , 2022, 291, 132787.	4.2	19
4	Innovations in applications and prospects of bioplastics and biopolymers: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 379-395.	8.3	134
5	Cannabis: Chemistry, extraction and therapeutic applications. <i>Chemosphere</i> , 2022, 289, 133012.	4.2	45
6	Pelletization of torrefied canola residue: Effects of microwave power, residence time and bio-additives on fuel pellet quality. <i>Fuel</i> , 2022, 312, 122728.	3.4	15
7	Heteropoly acids as supported solid acid catalysts for sustainable biodiesel production using vegetable oils: A review. <i>Catalysis Today</i> , 2022, 404, 19-34.	2.2	37
8	Extraction of Sugars and Cellulose Fibers from Cannabis Stems by Hydrolysis, Pulping, and Bleaching. <i>Chemical Engineering and Technology</i> , 2022, 45, 962-970.	0.9	9
9	A Review of Biomass Resources and Thermochemical Conversion Technologies. <i>Chemical Engineering and Technology</i> , 2022, 45, 791-799.	0.9	39
10	Complementary effects of torrefaction and pelletization for the production of fuel pellets from agricultural residues: A comparative study. <i>Industrial Crops and Products</i> , 2022, 181, 114740.	2.5	21
11	Experimental and Modeling Studies of Torrefaction of Spent Coffee Grounds and Coffee Husk: Effects on Surface Chemistry and Carbon Dioxide Capture Performance. <i>ACS Omega</i> , 2022, 7, 638-653.	1.6	15
12	Process optimization and investigating the effects of torrefaction and pelletization on steam gasification of canola residue. <i>Fuel</i> , 2022, 323, 124239.	3.4	25
13	Comparative Catalytic Performance Study of 12-Tungstophosphoric Heteropoly Acid Supported on Mesoporous Supports for Biodiesel Production from Unrefined Green Seed Canola Oil. <i>Catalysts</i> , 2022, 12, 658.	1.6	7
14	Optimization of olefins' yield in Fischer-Tropsch synthesis using carbon nanotubes supported iron catalyst with potassium and molybdenum promoters. <i>Applied Catalysis A: General</i> , 2022, 643, 118759.	2.2	11
15	Chemistry and Specialty Industrial Applications of Lignocellulosic Biomass. <i>Waste and Biomass Valorization</i> , 2021, 12, 2145-2169.	1.8	166
16	Metal-organic framework-based functional catalytic materials for biodiesel production: a review. <i>Green Chemistry</i> , 2021, 23, 2595-2618.	4.6	60
17	Catalytic and Noncatalytic Upgrading of Bio-Oil to Synthetic Fuels: An Introductory Review. <i>ACS Symposium Series</i> , 2021, , 1-28.	0.5	6
18	Enrichment of flaxseed (<i>Linum usitatissimum</i>) oil with carotenoids of sea buckthorn pomace via ultrasound-assisted extraction technique. <i>Current Research in Food Science</i> , 2021, 4, 478-488.	2.7	22

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19	Performance of Low-Cost Carbon-Based Adsorbent on Desulfurization of Heavy Gas Oil. ACS Symposium Series, 2021, , 175-187.	0.5	0
20	Hydroprocessing of oleic acid for production of jet fuel range hydrocarbons over Sn(1)â€Fe(3)â€Cu(13)/SiO ₂ â€Al ₂ O ₃ catalyst: Process parameters optimization, kinetics, and thermodynamic study. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2621.	0.8	3
21	Biochar production, activation and adsorptive applications: a review. Environmental Chemistry Letters, 2021, 19, 2237-2259.	8.3	80
22	Effects of Structure and Particle Size of Iron, Cobalt and Ruthenium Catalysts on Fischerâ€Tropsch Synthesis. Reactions, 2021, 2, 62-77.	0.9	11
23	Comparative Studies of Carbon Nanomaterial and Î³-Alumina as Supports for the Niâ€Mo Catalyst in Hydrotreating of Gas Oils. Energy & Fuels, 2021, 35, 6153-6166.	2.5	7
24	Pyrolysis kinetics and activation thermodynamic parameters of exhausted coffee residue and coffee husk using thermogravimetric analysis. Canadian Journal of Chemical Engineering, 2021, 99, 1683-1695.	0.9	12
25	Kinetics and Selectivity Study of Fischerâ€Tropsch Synthesis to C5+ Hydrocarbons: A Review. Catalysts, 2021, 11, 330.	1.6	56
26	A Review of Torrefaction Technology for Upgrading Lignocellulosic Biomass to Solid Biofuels. Bioenergy Research, 2021, 14, 645-669.	2.2	81
27	Equilibrium Study and Analysis of Site Energy Distribution of Butanol Sorption on a Biosorbent. Energy & Fuels, 2021, 35, 6681-6690.	2.5	2
28	Nextâ€generation biofuels and platform biochemicals from lignocellulosic biomass. International Journal of Energy Research, 2021, 45, 14145-14169.	2.2	79
29	Catalytic Supercritical Water Gasification of Soybean Straw: Effects of Catalyst Supports and Promoters. Industrial & Engineering Chemistry Research, 2021, 60, 5770-5782.	1.8	31
30	Performance of geopolymer as adsorbent on desulphurization of heavy gas oil. Canadian Journal of Chemical Engineering, 2021, 99, 2355-2367.	0.9	7
31	Fischerâ€Tropsch Synthesis for Light Olefins from Syngas: A Review of Catalyst Development. Reactions, 2021, 2, 227-257.	0.9	27
32	Techno-economic evaluation and sensitivity analysis of a conceptual design for supercritical water gasification of soybean straw to produce hydrogen. Bioresource Technology, 2021, 331, 125005.	4.8	52
33	Characteristics of torrefied fuel pellets obtained from co-pelletization of agriculture residues with pyrolysis oil. Biomass and Bioenergy, 2021, 150, 106139.	2.9	30
34	Thermal and Kinetic Studies on Biomass Degradation <i>via</i> Thermogravimetric Analysis: A Combination of Model-Fitting and Model-Free Approach. ACS Omega, 2021, 6, 22233-22247.	1.6	39
35	Catalytic conversion of lignocellulosic polysaccharides to commodity biochemicals: a review. Environmental Chemistry Letters, 2021, 19, 4119-4136.	8.3	43
36	Optimization studies for hydrothermal gasification of partially burnt wood from forest fires for hydrogen-rich syngas production using Taguchi experimental design. Environmental Pollution, 2021, 283, 117040.	3.7	15

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37	Influence of Catalyst Acidity on Fine Particle Deposition during Hydrotreating of Bitumen-Derived Heavy Gas Oil. <i>Energy & Fuels</i> , 2021, 35, 16735-16749.	2.5	5
38	Hydrothermal pretreatment technologies for lignocellulosic biomass: A review of steam explosion and subcritical water hydrolysis. <i>Chemosphere</i> , 2021, 284, 131372.	4.2	160
39	Slow pyrolysis of agro-food wastes and physicochemical characterization of biofuel products. <i>Chemosphere</i> , 2021, 285, 131431.	4.2	56
40	Taguchi-based process optimization for activation of agro-food waste biochar and performance test for dye adsorption. <i>Chemosphere</i> , 2021, 285, 131531.	4.2	68
41	Subcritical and Supercritical Water Treatments for Bio-Oil Production and Upgrading. <i>ACS Symposium Series</i> , 2021, , 69-87.	0.5	0
42	Enhancement of fuel and physicochemical properties of canola residues via microwave torrefaction. <i>Energy Reports</i> , 2021, 7, 6338-6353.	2.5	30
43	Solvent-Free Benzylolation of Glycerol by Benzyl Alcohol Using Heteropoly Acid Impregnated on K-10 Clay as Catalyst. <i>Catalysts</i> , 2021, 11, 34.	1.6	6
44	Activity and stability of biochar in hydrogen peroxide based oxidation system for degradation of naphthenic acid. <i>Chemosphere</i> , 2020, 241, 125007.	4.2	22
45	Synthesis of n-Butyl Levulinate Using Mesoporous Zeolite H-BEA Catalysts with Different Catalytic Characteristics. <i>Catalysis Letters</i> , 2020, 150, 1049-1060.	1.4	30
46	Stabilization and solidification of arsenic and iron contaminated canola meal biochar using chemically modified phosphate binders. <i>Journal of Hazardous Materials</i> , 2020, 385, 121559.	6.5	31
47	Physicochemical and Fuel Characteristics of Torrefied Agricultural Residues for Sustainable Fuel Production. <i>Energy & Fuels</i> , 2020, 34, 14169-14181.	2.5	27
48	Mesoporous Adsorbents for Desulfurization of Model Diesel Fuel: Optimization, Kinetic, and Thermodynamic Studies. <i>Fuels</i> , 2020, 1, 47-58.	1.3	8
49	Oxidative Desulfurization of Heavy Gas Oil over a TiO ₂ -TUD-1-Supported Keggin-Type Molybdenum Heteropolyacid. <i>Energy & Fuels</i> , 2020, 34, 15299-15312.	2.5	24
50	Catalytic gasification of light and heavy gas oils in supercritical water. <i>Journal of the Energy Institute</i> , 2020, 93, 2025-2032.	2.7	29
51	Adsorptive desulfurization through charge-transfer complex using mesoporous adsorbents. <i>Fuel</i> , 2020, 269, 117379.	3.4	15
52	Mordenite-Type Zeolite from Waste Coal Fly Ash: Synthesis, Characterization and Its Application as a Sorbent in Metal Ions Removal. <i>ChemistrySelect</i> , 2020, 5, 1193-1198.	0.7	9
53	Techno-economic and life-cycle assessment of integrated Fischer-Tropsch process in ethanol industry for bio-diesel and bio-gasoline production. <i>Energy</i> , 2020, 195, 116985.	4.5	34
54	Catalysis for the Production of Sustainable Fuels and Chemicals. <i>Catalysts</i> , 2020, 10, 388.	1.6	6

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55	Dynamics of Water Adsorption from Butanolâ€“Water Vapor in a Biosorbent Packed Column. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15619-15627.	1.8	4
56	Kinetic modeling, mechanistic, and thermodynamic studies of HPW-MAS-9 catalysed transesterification reaction for biodiesel synthesis. <i>Fuel Processing Technology</i> , 2019, 196, 106164.	3.7	18
57	Catalytic hydrodeoxygenation of bioâ€“oil model compound for production of fuel grade oil. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2317.	0.8	13
58	Dynamic Study of Butanol and Water Adsorption onto Oat Hull: Experimental and Simulated Breakthrough Curves. <i>Energy & Fuels</i> , 2019, 33, 9835-9842.	2.5	4
59	Reactive adsorption of Safranin O: surface â€“ pore diffusion modeling and degradation study. <i>Water Science and Technology</i> , 2019, 80, 665-674.	1.2	5
60	Supercritical water gasification of biomass: a state-of-the-art review of process parameters, reaction mechanisms and catalysis. <i>Sustainable Energy and Fuels</i> , 2019, 3, 578-598.	2.5	210
61	Steam gasification of oat hull pellets over Ni-based catalysts: Syngas yield and tar reduction. <i>Fuel</i> , 2019, 254, 115585.	3.4	28
62	Review of post-combustion carbon dioxide capture technologies using activated carbon. <i>Journal of Environmental Sciences</i> , 2019, 83, 46-63.	3.2	210
63	Meso-Structured HPW-MAS-7 and HPW-MAS-9 Composite Catalysts for Biodiesel Synthesis from Unrefined Green Seed Canola Oil. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15772-15786.	1.8	11
64	Modelling of H ₂ consumption and process optimization for hydrotreating of light gas oils. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1828-1837.	0.9	4
65	Production of anhydrous biobutanol using a biosorbent developed from oat hulls. <i>Chemical Engineering Journal</i> , 2019, 356, 830-838.	6.6	19
66	Synthesis and Application of Metallosilicate Supports for Cobalt-Based Fischerâ€“Tropsch Synthesis Catalysts. <i>Energy & Fuels</i> , 2019, 33, 551-560.	2.5	4
67	Insights into the integrated effects of polymeric pretreatment and catalytic hydrotreatment of light gas oil. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2285.	0.8	0
68	Selective adsorption of water from aqueous butanol solution using canola-meal-based biosorbents. <i>Chemical Engineering Communications</i> , 2018, 205, 637-646.	1.5	4
69	Enhancement of sulfur and nitrogen removal from heavy gas oil by using polymeric adsorbent followed by hydrotreatment. <i>Fuel</i> , 2018, 226, 127-136.	3.4	13
70	Higher Alcohols Synthesis over Carbon Nanohorn-Supported KCoRhMo Catalyst: Pelletization and Kinetic Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5517-5528.	1.8	7
71	Marble slurry derived hydroxyapatite as heterogeneous catalyst for biodiesel production from soybean oil. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 1873-1880.	0.9	32
72	Effects of Natural Additives on the Properties of Sawdust Fuel Pellets. <i>Energy & Fuels</i> , 2018, 32, 1863-1873.	2.5	22

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73	Investigating the applicability of Athabasca bitumen as a feedstock for hydrogen production through catalytic supercritical water gasification. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 182-189.	3.3	50
74	Deposition of fine particles of gas oil on hydrotreating catalyst: Impact of process parameters and filtration trends. <i>Fuel Processing Technology</i> , 2018, 171, 223-231.	3.7	6
75	Hydrotreatment Followed by Oxidative Desulfurization and Denitrogenation to Attain Low Sulphur and Nitrogen Bitumen Derived Gas Oils. <i>Catalysts</i> , 2018, 8, 645.	1.6	10
76	Surface Investigation of Tungstophosphoric Acid Supported on Ordered Mesoporous Aluminosilicates for Biodiesel Synthesis. <i>ACS Omega</i> , 2018, 3, 14064-14075.	1.6	20
77	Physiochemical characterization and support interaction of alumina-supported heteropolyacid catalyst for biodiesel production. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2249.	0.8	16
78	A kinetic model for methane emission oxidation over Pd-Pt bimetallic monolith catalysts. <i>International Journal of Energy Research</i> , 2018, 42, 4642-4653.	2.2	4
79	Degradation of a synthetic binary dye mixture using reactive adsorption: Experimental and modeling studies. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5732-5743.	3.3	19
80	Drying of nonpolar gas in a pressure swing adsorption process using canola meal biosorbents. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2232.	0.8	5
81	Agricultural byproducts-based biosorbents for purification of bioalcohols: a review. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	2.0	15
82	Fermentative production of butanol: Perspectives on synthetic biology. <i>New Biotechnology</i> , 2017, 37, 210-221.	2.4	107
83	Adsorptive Removal of Nitrogen, Sulfur, and Aromatic Compounds from Gas Oil by Poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 2430-2438.	2.5	2
84	Selective Water Removal by Sorption from Butanol-Water Vapor Mixtures: Analyses of Key Operating Parameters and Site Energy Distribution. <i>Energy & Fuels</i> , 2017, 31, 5193-5202.	2.5	11
85	Insights on pathways for hydrogen generation from ethanol. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1232-1245.	2.5	120
86	Hydrogen generation via supercritical water gasification of lignin using Ni-Co/Mg-Al catalysts. <i>International Journal of Energy Research</i> , 2017, 41, 1835-1846.	2.2	33
87	Removal of synthetic dyes from multicomponent industrial wastewaters. <i>Reviews in Chemical Engineering</i> , 2017, 34, 107-134.	2.3	45
88	Performance of Promoted Iron/CNT Catalyst for Fischer-Tropsch Synthesis: Influence of Pellet Shapes and Binder Loading. <i>Energy & Fuels</i> , 2017, 31, 12633-12644.	2.5	15
89	Thermodynamic and Kinetic Studies of Methylene Blue Degradation Using Reactive Adsorption and Its Comparison with Adsorption. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3651-3662.	1.0	49
90	Study on the quality of oat hull fuel pellets using bio-additives. <i>Biomass and Bioenergy</i> , 2017, 106, 166-175.	2.9	45

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91	Higher Alcohols Synthesis: Experimental and Process Parameters Study over a CNH-Supported KCoRhMo Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13552-13565.	1.8	5
92	The Impact of Process Parameters on the Deposition of Fines Present in Bitumen-Derived Gas Oil on Hydrotreating Catalyst. <i>Energy & Fuels</i> , 2017, 31, 5969-5981.	2.5	8
93	Syngas Conversion to Higher Alcohols: Application of novel K-Promoted CoRhMo Catalysts Supported over Carbon Nanohorns and its by-Products. <i>International Journal of Petrochemical Science & Engineering</i> , 2017, 2, .	0.2	2
94	Selective removal of nitrogen compounds from gas oil using functionalized polymeric adsorbents: Efficient approach towards improving denitrogenation of petroleum feedstock. <i>Chemical Engineering Journal</i> , 2016, 295, 109-118.	6.6	23
95	Effect of Pretreatment on Physicochemical Properties and Performance of Multiwalled Carbon Nanotube Supported Cobalt Catalyst for Fischer-Tropsch Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6049-6059.	1.8	40
96	Valorization of horse manure through catalytic supercritical water gasification. <i>Waste Management</i> , 2016, 52, 147-158.	3.7	104
97	Enhanced CO ₂ Adsorption Using MgO-Impregnated Activated Carbon: Impact of Preparation Techniques. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5955-5964.	1.8	77
98	Î€-Acceptor-functionalized particles: Synthesis, characterization and effect of cross-linking agents on adsorptive removal of nitrogen- and sulfur-compounds from light gas oil. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 44, 43-51.	2.9	7
99	Novelty of <i>Penicillium camembertii</i> Lipase Supported on Glutaraldehyde Activated-SBA-15 Mesoporous Silica for Mono-Esterification of Bioglycerol in Non-Aqueous Media. <i>International Journal of Chemical Reactor Engineering</i> , 2016, 14, 919-928.	0.6	2
100	Graft Copolymerization of Glycidyl Methacrylate and Ethylene Glycol Dimethacrylate on Alumina for the Removal of Nitrogen and Sulfur Compounds from Gas Oil. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 9408-9415.	1.8	1
101	In-situ chemical oxidation: Principle and applications of peroxide and persulfate treatments in wastewater systems. <i>Science of the Total Environment</i> , 2016, 571, 643-657.	3.9	428
102	Application of Ni-Co/Mg-Al Catalyst System for Hydrogen Production via Supercritical Water Gasification of Lignocellulosic Biomass. <i>Catalysis Letters</i> , 2016, 146, 2596-2605.	1.4	12
103	Mechanistic Kinetic Modeling of Oxidative Steam Reforming of Bioethanol for Hydrogen Production over Rh-Ni/CeO ₂ -ZrO ₂ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 86-98.	1.8	18
104	Biochar as an Exceptional Bioresource for Energy, Agronomy, Carbon Sequestration, Activated Carbon and Specialty Materials. <i>Waste and Biomass Valorization</i> , 2016, 7, 201-235.	1.8	272
105	Systematic screening and modification of Ni based catalysts for hydrogen generation from supercritical water gasification of lignin. <i>Chemical Engineering Journal</i> , 2016, 283, 1019-1032.	6.6	64
106	Catalytic Vicinal Diacylation of Epoxidized Triglycerides in Canola Oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 1365-1378.	0.8	10
107	Optimization and Kinetic Studies on Hydrogenation of Furfural to Furfuryl Alcohol over SBA-15 Supported Bimetallic Copper-Cobalt Catalyst. <i>Catalysis Letters</i> , 2015, 145, 816-823.	1.4	55
108	Immobilization of fluorenone derived Î€-acceptors on poly (GMA-co-EGDMA) for the removal of refractory nitrogen species from bitumen derived gas oil. <i>Fuel</i> , 2015, 145, 100-108.	3.4	20

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109	Synthesis and application of functionalized polymers for the removal of nitrogen and sulfur species from gas oil. <i>Fuel Processing Technology</i> , 2015, 131, 473-482.	3.7	12
110	Breakthrough CO ₂ adsorption in bio-based activated carbons. <i>Journal of Environmental Sciences</i> , 2015, 34, 68-76.	3.2	103
111	Cr-free Co-Cu/SBA-15 catalysts for hydrogenation of biomass-derived α , β -unsaturated aldehyde to alcohol. <i>Chinese Journal of Catalysis</i> , 2015, 36, 933-942.	6.9	71
112	Preparation and Properties Evaluation of Biolubricants Derived from Canola Oil and Canola Biodiesel. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3235-3242.	2.4	36
113	Synthesis and Characterization of Functionalized Poly(glycidyl methacrylate)-Based Particles for the Selective Removal of Nitrogen Compounds from Light Gas Oil: Effect of Linker Length. <i>Energy & Fuels</i> , 2015, 29, 1881-1891.	2.5	11
114	Noncatalytic Gasification of Lignin in Supercritical Water Using a Batch Reactor for Hydrogen Production: An Experimental and Modeling Study. <i>Energy & Fuels</i> , 2015, 29, 1776-1784.	2.5	50
115	Synthesis and characterization of mesoporous aluminas with different pore sizes: Application in NiMo supported catalyst for hydrotreating of heavy gas oil. <i>Applied Catalysis A: General</i> , 2015, 489, 86-97.	2.2	69
116	ICONE23-1734 HITACHI-GE-SMALL MODULAR REACTOR BALANCE OF PLANT THERMAL UTILIZATION STUDY. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2015, 2015.23, _ICONE23-1-_ICONE23-1.	0.0	0
117	Adsorption of antiviral drug, acyclovir from aqueous solution on powdered activated charcoal: kinetics, equilibrium, and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2014, 52, 4953-4968.	1.0	23
118	Extraction and fractionation of polyunsaturated fatty acids from <i>Mortierella</i> sp. using supercritical fluid: experimental and kinetic studies. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014, 9, 507-518.	0.8	1
119	Investigating carbon monoxide and propene oxidation on a platinum diesel oxidation catalyst. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 1496-1505.	0.9	7
120	Supercritical water gasification of biomass in diamond anvil cells and fluidized beds. <i>Biofuels, Bioproducts and Biorefining</i> , 2014, 8, 728-737.	1.9	35
121	Characteristic Studies on the Pyrolysis Products from Hydrolyzed Canadian Lignocellulosic Feedstocks. <i>Bioenergy Research</i> , 2014, 7, 174-191.	2.2	64
122	Functionalization and Characterization of Carbon Nanohorns (CNHs) for Hydrotreating of Gas Oils. <i>Topics in Catalysis</i> , 2014, 57, 796-805.	1.3	21
123	Pathways of lignocellulosic biomass conversion to renewable fuels. <i>Biomass Conversion and Biorefinery</i> , 2014, 4, 157-191.	2.9	290
124	Methane oxidation hysteresis over Pt/Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2014, 478, 91-97.	2.2	27
125	Selective hydrogenolysis of glycerol to propylene glycol by using Cu:Zn:Cr:Zr mixed metal oxides catalyst. <i>Applied Catalysis A: General</i> , 2014, 477, 147-156.	2.2	79
126	Non-selective hydrolysis of tuna fish oil for producing free fatty acids containing docosahexaenoic acid. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 344-354.	0.9	8

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127	Higher Alcohol Synthesis Using K-Doped CoRhMoS ₂ /MWCNT Catalysts: Influence of Pelletization, Particle Size and Incorporation of Binders. <i>Topics in Catalysis</i> , 2014, 57, 538-549.	1.3	21
128	Butanol and ethanol production from lignocellulosic feedstock: biomass pretreatment and bioconversion. <i>Energy Science and Engineering</i> , 2014, 2, 138-148.	1.9	94
129	Adsorption optimization of acyclovir on prepared activated carbon. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 1627-1635.	0.9	13
130	Effect of Thermal Degradation on the CO, C ₃ H ₆ , and NO Oxidation Performance of Pt/Al ₂ O ₃ with a Zoned Distribution of Pt. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5692-5700.	1.8	4
131	Esterification of free fatty acids (FFA) of Green Seed Canola (GSC) oil using H-Y zeolite supported 12-Tungstophosphoric acid (TPA). <i>Applied Catalysis A: General</i> , 2014, 485, 99-107.	2.2	19
132	Combined Effects of EDTA and Heteroatoms (Ti, Zr, and Al) on Catalytic Activity of SBA-15 Supported NiMo Catalyst for Hydrotreating of Heavy Gas Oil. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2137-2156.	1.8	51
133	Review on Biodiesel Production from Various Feedstocks Using 12-Tungstophosphoric Acid (TPA) as a Solid Acid Catalyst Precursor. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18611-18624.	1.8	29
134	Characterization of North American Lignocellulosic Biomass and Biochars in Terms of their Candidacy for Alternate Renewable Fuels. <i>Bioenergy Research</i> , 2013, 6, 663-677.	2.2	295
135	Influence of pretreatment conditions on composition of liquid hydrolysate and subsequent enzymatic saccharification of remaining solids. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 1223-1228.	0.9	4
136	Water Removal from Ethanol Vapor by Adsorption on Canola Meal after Protein Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 14429-14440.	1.8	21
137	Occurrence and Removal of Antiviral Drugs in Environment: A Review. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	85
138	Improved CO, hydrocarbon and NO oxidation performance using zone-coated Pt-based catalysts. <i>Catalysis Today</i> , 2013, 207, 220-226.	2.2	18
139	Effect of citric acid and starch as emulsifier on phase formation and crystallite size of lanthanum oxide nanoparticles. <i>Crystal Research and Technology</i> , 2013, 48, 355-362.	0.6	6
140	Synthesis of novel polymer poly(glycidyl methacrylate) incorporated with tetranitrofluorenone for selective removal of neutral nitrogen species from bitumen-derived heavy gas oil. <i>Fuel Processing Technology</i> , 2013, 106, 483-489.	3.7	14
141	Statistical Optimization of Process Variables for Methane Conversion over ZnMo/HZSM-5 Catalysts in the Presence of Methanol. <i>Energy Technology</i> , 2013, 1, 157-165.	1.8	12
142	EFFECT OF PRETREATMENT CONDITIONS ON STRUCTURAL CHARACTERISTICS OF WHEAT STRAW. <i>Chemical Engineering Communications</i> , 2013, 200, 1251-1259.	1.5	17
143	Bioconversion of wheat straw lignocellulosic sugars to ethanol by recombinant <i>Escherichia coli</i> . <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, .	0.8	2
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