

# Ajay Dalai

## List of Publications by Year in descending order

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138  
papers

8,435  
citations

43973

48  
h-index

48187

88  
g-index

138  
all docs

138  
docs citations

138  
times ranked

6562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrotreating and oxidative desulfurization of heavy fuel oil into low sulfur marine fuel over dual function NiMo/β-Al <sub>2</sub> O <sub>3</sub> catalyst. Catalysis Today, 2023, 407, 165-171.	2.2	9
2	Catalytic hydrothermal co-gasification of canola meal and low-density polyethylene using mixed metal oxides for hydrogen production. International Journal of Hydrogen Energy, 2022, 47, 42084-42098.	3.8	18
3	Steam and supercritical water gasification of densified canola meal fuel pellets. International Journal of Hydrogen Energy, 2022, 47, 42013-42026.	3.8	10
4	Hydrothermal flames for subaquatic, terrestrial and extraterrestrial applications. Journal of Hazardous Materials, 2022, 424, 127520.	6.5	9
5	Review on impacts of low sulfur regulations on marine fuels and compliance options. Fuel, 2022, 310, 122243.	3.4	62
6	Innovations in applications and prospects of bioplastics and biopolymers: a review. Environmental Chemistry Letters, 2022, 20, 379-395.	8.3	134
7	Isolation of cellulose fibers from wetland reed grass through an integrated subcritical water hydrolysis-pulping-bleaching process. Fuel, 2022, 311, 122618.	3.4	27
8	Pelletization of torrefied canola residue: Effects of microwave power, residence time and bio-additives on fuel pellet quality. Fuel, 2022, 312, 122728.	3.4	15
9	Synthesis and Characterization of NiMo Catalysts Supported on Fine Carbon Particles for Hydrotreating: Effects of Metal Loadings in Catalyst Formulation. Frontiers in Chemical Engineering, 2022, 3, .	1.3	0
10	Extraction of Sugars and Cellulose Fibers from Cannabis Stems by Hydrolysis, Pulping, and Bleaching. Chemical Engineering and Technology, 2022, 45, 962-970.	0.9	9
11	Thermochemical conversion of organic waste: New horizons for production of green energy. , 2022, , 1-21.		2
12	A Review of Biomass Resources and Thermochemical Conversion Technologies. Chemical Engineering and Technology, 2022, 45, 791-799.	0.9	39
13	Catalytic oxidative desulfurization of light gas oil over Keggin-type phosphomolybdic acid supported on TUD-1 metallosilicates. Fuel, 2022, 317, 123447.	3.4	8
14	A review of thermocatalytic conversion of biogenic wastes into crude biofuels and biochemical precursors. Fuel, 2022, 320, 123857.	3.4	16
15	Complementary effects of torrefaction and pelletization for the production of fuel pellets from agricultural residues: A comparative study. Industrial Crops and Products, 2022, 181, 114740.	2.5	21
16	Experimental and Modeling Studies of Torrefaction of Spent Coffee Grounds and Coffee Husk: Effects on Surface Chemistry and Carbon Dioxide Capture Performance. ACS Omega, 2022, 7, 638-653.	1.6	15
17	Process optimization and investigating the effects of torrefaction and pelletization on steam gasification of canola residue. Fuel, 2022, 323, 124239.	3.4	25
18	Comparative Catalytic Performance Study of 12-Tungstophosphoric Heteropoly Acid Supported on Mesoporous Supports for Biodiesel Production from Unrefined Green Seed Canola Oil. Catalysts, 2022, 12, 658.	1.6	7

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19	Hydrogen production from cotton stalk over Ni-La catalysts supported on spent bleaching clay via hydrothermal gasification. <i>Industrial Crops and Products</i> , 2022, 186, 115228.	2.5	6
20	Hydrothermal processing of waste pine wood into industrially useful products. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100647.	1.3	2
21	Chemistry and Specialty Industrial Applications of Lignocellulosic Biomass. <i>Waste and Biomass Valorization</i> , 2021, 12, 2145-2169.	1.8	166
22	Metal-organic framework-based functional catalytic materials for biodiesel production: a review. <i>Green Chemistry</i> , 2021, 23, 2595-2618.	4.6	60
23	Subcritical water hydrolysis of Phragmites for sugar extraction and catalytic conversion to platform chemicals. <i>Biomass and Bioenergy</i> , 2021, 145, 105965.	2.9	36
24	Hydroprocessing of oleic acid for production of jet fuel range hydrocarbons over Sn(1)-Fe(3)-Cu(13)/SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst: Process parameters optimization, kinetics, and thermodynamic study. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2621.	0.8	3
25	Futuristic applications of hydrogen in energy, biorefining, aerospace, pharmaceuticals and metallurgy. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8885-8905.	3.8	190
26	Biochar production, activation and adsorptive applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2237-2259.	8.3	80
27	Comparative Studies of Carbon Nanomaterial and $\gamma$ -Alumina as Supports for the Ni-Mo Catalyst in Hydrotreating of Gas Oils. <i>Energy &amp; Fuels</i> , 2021, 35, 6153-6166.	2.5	7
28	Pyrolysis kinetics and activation thermodynamic parameters of exhausted coffee residue and coffee husk using thermogravimetric analysis. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1683-1695.	0.9	12
29	A Review of Torrefaction Technology for Upgrading Lignocellulosic Biomass to Solid Biofuels. <i>Bioenergy Research</i> , 2021, 14, 645-669.	2.2	81
30	Equilibrium Study and Analysis of Site Energy Distribution of Butanol Sorption on a Biosorbent. <i>Energy &amp; Fuels</i> , 2021, 35, 6681-6690.	2.5	2
31	Next-generation biofuels and platform biochemicals from lignocellulosic biomass. <i>International Journal of Energy Research</i> , 2021, 45, 14145-14169.	2.2	79
32	Catalytic Supercritical Water Gasification of Soybean Straw: Effects of Catalyst Supports and Promoters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5770-5782.	1.8	31
33	Techno-economic evaluation and sensitivity analysis of a conceptual design for supercritical water gasification of soybean straw to produce hydrogen. <i>Bioresource Technology</i> , 2021, 331, 125005.	4.8	52
34	Modeling and process optimization of hydrothermal gasification for hydrogen production: A comprehensive review. <i>Journal of Supercritical Fluids</i> , 2021, 173, 105199.	1.6	60
35	Characteristics of torrefied fuel pellets obtained from co-pelletization of agriculture residues with pyrolysis oil. <i>Biomass and Bioenergy</i> , 2021, 150, 106139.	2.9	30
36	Thermal and Kinetic Studies on Biomass Degradation via Thermogravimetric Analysis: A Combination of Model-Fitting and Model-Free Approach. <i>ACS Omega</i> , 2021, 6, 22233-22247.	1.6	39

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37	Catalytic conversion of lignocellulosic polysaccharides to commodity biochemicals: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 4119-4136.	8.3	43
38	Optimization studies for hydrothermal gasification of partially burnt wood from forest fires for hydrogen-rich syngas production using Taguchi experimental design. <i>Environmental Pollution</i> , 2021, 283, 117040.	3.7	15
39	Production of jet fuel by hydrotreating of Fischer-Tropsch wax over Pt/Al-TUD-1 bifunctional catalyst. <i>Fuel</i> , 2021, 300, 121008.	3.4	13
40	Influence of Catalyst Acidity on Fine Particle Deposition during Hydrotreating of Bitumen-Derived Heavy Gas Oil. <i>Energy &amp; Fuels</i> , 2021, 35, 16735-16749.	2.5	5
41	Carbon dioxide capture from flue gas in biochar produced from spent coffee grounds: Effect of surface chemistry and porous structure. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106049.	3.3	39
42	Hydrothermal pretreatment technologies for lignocellulosic biomass: A review of steam explosion and subcritical water hydrolysis. <i>Chemosphere</i> , 2021, 284, 131372.	4.2	160
43	Ultrasound-assisted oxidative desulfurization of Arabian extra light oil (AXL) with molecular characterization of the sulfur compounds. <i>Fuel</i> , 2021, 305, 121612.	3.4	17
44	Slow pyrolysis of agro-food wastes and physicochemical characterization of biofuel products. <i>Chemosphere</i> , 2021, 285, 131431.	4.2	56
45	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
46	Enhancement of fuel and physicochemical properties of canola residues via microwave torrefaction. <i>Energy Reports</i> , 2021, 7, 6338-6353.	2.5	30
47	Oxidative Desulfurization of Tire Pyrolysis Oil over Molybdenum Heteropolyacid Loaded Mesoporous Catalysts. <i>Reactions</i> , 2021, 2, 457-472.	0.9	3
48	Optimization and modeling of process parameters during hydrothermal gasification of biomass model compounds to generate hydrogen-rich gas products. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18275-18288.	3.8	70
49	A review on subcritical and supercritical water gasification of biogenic, polymeric and petroleum wastes to hydrogen-rich synthesis gas. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109546.	8.2	184
50	Physicochemical and Fuel Characteristics of Torrefied Agricultural Residues for Sustainable Fuel Production. <i>Energy &amp; Fuels</i> , 2020, 34, 14169-14181.	2.5	27
51	Effects of promoters (Mn, Mg, Co and Ni) on the Fischer-Tropsch activity and selectivity of KCuFe/mesoporous-alumina catalyst. <i>Applied Catalysis A: General</i> , 2020, 607, 117861.	2.2	18
52	Oxidative Desulfurization of Heavy Gas Oil over a TiO <sub>2</sub> -TUD-1-Supported Keggin-Type Molybdenum Heteropolyacid. <i>Energy &amp; Fuels</i> , 2020, 34, 15299-15312.	2.5	24
53	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
54	Hydrothermal gasification of soybean straw and flax straw for hydrogen-rich syngas production: Experimental and thermodynamic modeling. <i>Energy Conversion and Management</i> , 2020, 208, 112545.	4.4	92

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55	Subcritical water gasification of lignocellulosic wastes for hydrogen production with Co modified Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Journal of Supercritical Fluids</i> , 2020, 162, 104863.	1.6	34
56	Process Improvements and Techno-Economic Feasibility of Hydrothermal Liquefaction and Pyrolysis of Biomass for Biocrude Oil Production. , 2020, , 221-248.		1
57	Biocrude Oil Production via Hydrothermal Liquefaction of Algae and Upgradation Techniques to Liquid Transportation Fuels. , 2020, , 249-270.		3
58	A Spotlight on Butanol and Propanol as Next-Generation Synthetic Fuels. , 2020, , 105-126.		7
59	Growth of Biofuels Sector: Opportunities, Challenges, and Outlook. , 2020, , 1-21.		0
60	Comparative evaluation for catalytic gasification of petroleum coke and asphaltene in subcritical and supercritical water. <i>Journal of Energy Chemistry</i> , 2019, 31, 107-118.	7.1	43
61	Effects of bio-additives on the physicochemical properties and mechanical behavior of canola hull fuel pellets. <i>Renewable Energy</i> , 2019, 132, 296-307.	4.3	59
62	Rice husk mediated synthesis of meso-ZSM-5 and its application in the synthesis of n-butyl levulinate. <i>Journal of Porous Materials</i> , 2019, 26, 677-686.	1.3	22
63	Dynamics of Water Adsorption from Butanol–Water Vapor in a Biosorbent Packed Column. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 15619-15627.	1.8	4
64	Evaluating the potential for bio-fuel upgrading: A comprehensive analysis of bio-crude and bio-residue from hydrothermal liquefaction of agricultural biomass. <i>Applied Energy</i> , 2019, 254, 113679.	5.1	38
65	Catalytic hydrodeoxygenation of bio-oil model compound for production of fuel grade oil. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2317.	0.8	13
66	Dynamic Study of Butanol and Water Adsorption onto Oat Hull: Experimental and Simulated Breakthrough Curves. <i>Energy &amp; Fuels</i> , 2019, 33, 9835-9842.	2.5	4
67	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
68	Review of post-combustion carbon dioxide capture technologies using activated carbon. <i>Journal of Environmental Sciences</i> , 2019, 83, 46-63.	3.2	210
69	Hydroprocessing of Oleic Acid for Production of Jet-Fuel Range Hydrocarbons over Cu and FeCu Catalysts. <i>Catalysts</i> , 2019, 9, 1051.	1.6	7
70	Atomic Layer Deposition ZnO Over-Coated Cu/SiO <sub>2</sub> Catalysts for Methanol Synthesis from CO <sub>2</sub> Hydrogenation. <i>Catalysts</i> , 2019, 9, 922.	1.6	14
71	Production of anhydrous biobutanol using a biosorbent developed from oat hulls. <i>Chemical Engineering Journal</i> , 2019, 356, 830-838.	6.6	19
72	Physico-chemistry of biochars produced through steam gasification and hydro-thermal gasification of canola hull and canola meal pellets. <i>Biomass and Bioenergy</i> , 2019, 120, 458-470.	2.9	50

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73	Thermo-physical characterization of torrefied fuel pellet from co-pelletization of canola hulls and meal. <i>Industrial Crops and Products</i> , 2019, 128, 424-435.	2.5	35
74	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
75	Hydrothermal catalytic processing of waste cooking oil for hydrogen-rich syngas production. <i>Chemical Engineering Science</i> , 2019, 195, 935-945.	1.9	112
76	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
77	Effects of Natural Additives on the Properties of Sawdust Fuel Pellets. <i>Energy &amp; Fuels</i> , 2018, 32, 1863-1873.	2.5	22
78	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
79	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
80	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
81	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
82	Agricultural byproducts-based biosorbents for purification of bioalcohols: a review. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	2.0	15
83	Fermentative production of butanol: Perspectives on synthetic biology. <i>New Biotechnology</i> , 2017, 37, 210-221.	2.4	107
84	Adsorptive Removal of Nitrogen, Sulfur, and Aromatic Compounds from Gas Oil by Poly(glycidyl) Ether Methacrylate. <i>Energy &amp; Fuels</i> , 2017, 31, 2430-2438.	2.5	2
85	Selective Water Removal by Sorption from Butanol-Water Vapor Mixtures: Analyses of Key Operating Parameters and Site Energy Distribution. <i>Energy &amp; Fuels</i> , 2017, 31, 5193-5202.	2.5	11
86	Maximization of Carbon Nanohorns Production via the Arc Discharge Method for Hydrotreating Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4784-4791.	0.9	2
87	Lewis acid catalyzed gasification of humic acid in supercritical water. <i>Catalysis Today</i> , 2017, 291, 13-23.	2.2	47
88	Insights on pathways for hydrogen generation from ethanol. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1232-1245.	2.5	120
89	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
90	An assessment of pinecone gasification in subcritical, near-critical and supercritical water. <i>Fuel Processing Technology</i> , 2017, 168, 84-96.	3.7	87

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91	Study on the quality of oat hull fuel pellets using bio-additives. <i>Biomass and Bioenergy</i> , 2017, 106, 166-175.	2.9	45
92	Low-temperature Fischer-Tropsch synthesis using plasma-synthesized nanometric Co/C and Fe/C catalysts. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1504-1515.	0.9	17
93	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
94	Valorization of horse manure through catalytic supercritical water gasification. <i>Waste Management</i> , 2016, 52, 147-158.	3.7	104
95	Supercritical water gasification of timothy grass as an energy crop in the presence of alkali carbonate and hydroxide catalysts. <i>Biomass and Bioenergy</i> , 2016, 95, 378-387.	2.9	86
96	Hydrogen production from lignin, cellulose and waste biomass via supercritical water gasification: Catalyst activity and process optimization study. <i>Energy Conversion and Management</i> , 2016, 117, 528-537.	4.4	109
97	Subcritical and supercritical water gasification of lignocellulosic biomass impregnated with nickel nanocatalyst for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4907-4921.	3.8	107
98	Gasification of fruit wastes and agro-food residues in supercritical water. <i>Energy Conversion and Management</i> , 2016, 110, 296-306.	4.4	190
99	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
100	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
101	Lignocellulosic Biomass: A Review of Conversion Technologies and Fuel Products. <i>Current Biochemical Engineering</i> , 2015, 3, 24-36.	1.3	53
102	Supercritical water gasification of fructose as a model compound for waste fruits and vegetables. <i>Journal of Supercritical Fluids</i> , 2015, 104, 112-121.	1.6	87
103	Immobilization of fluorenone derived $\pi$ -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
104	Breakthrough CO <sub>2</sub> adsorption in bio-based activated carbons. <i>Journal of Environmental Sciences</i> , 2015, 34, 68-76.	3.2	103
105	An assessment on the sustainability of lignocellulosic biomass for biorefining. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 925-941.	8.2	223
106	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 &amp; Fuels</i> , 2015, 29, 1881-1891.	2.5	11
107	Noncatalytic Gasification of Lignin in Supercritical Water Using a Batch Reactor for Hydrogen Production: An Experimental and Modeling Study. <i>Energy &amp; Fuels</i> , 2015, 29, 1776-1784.	2.5	50
108	Synthesis and Characterization of Co/C and Fe/C Nanocatalysts for Fischer-Tropsch Synthesis: A Comparative Study Using a Fixed-Bed Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 10661-10674.	1.8	23



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109	Canola meal moisture-resistant fuel pellets: Study on the effects of process variables and additives on the pellet quality and compression characteristics. <i>Industrial Crops and Products</i> , 2015, 63, 337-348.	2.5	33
110	Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Characterization of Treated Athabasca Oil Sands Processed Waters. <i>Energy &amp; Fuels</i> , 2015, 29, 2768-2773.	2.5	18
111	Physico-Chemical Evolution in Lignocellulosic Feedstocks During Hydrothermal Pretreatment and Delignification. <i>Journal of Biobased Materials and Bioenergy</i> , 2015, 9, 295-308.	0.1	25
112	Removal of dicyclohexyl acetic acid from aqueous solution using ultrasound, ozone and their combination. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1512-1519.	0.9	7
113	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
114	Functionalization and Characterization of Carbon Nanohorns (CNHs) for Hydrotreating of Gas Oils. <i>Topics in Catalysis</i> , 2014, 57, 796-805.	1.3	21
115	Supercritical water gasification of biomass for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 6912-6926.	3.8	399
116	Pathways of lignocellulosic biomass conversion to renewable fuels. <i>Biomass Conversion and Biorefinery</i> , 2014, 4, 157-191.	2.9	290
117	Butanol and ethanol production from lignocellulosic feedstock: biomass pretreatment and bioconversion. <i>Energy Science and Engineering</i> , 2014, 2, 138-148.	1.9	94
118	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 &amp; Engineering Chemistry Research</i> , 2014, 53, 2137-2156.	1.8	51
119	Biodegradation of a surrogate naphthenic acid under denitrifying conditions. <i>Water Research</i> , 2014, 51, 11-24.	5.3	33
120	Gasification of Canola Meal and Factors Affecting Gasification Process. <i>Bioenergy Research</i> , 2014, 7, 1131-1143.	2.2	16
121	Catalytic gasification of cellulose and pinewood to H <sub>2</sub> in supercritical water. <i>Fuel</i> , 2014, 118, 416-425.	3.4	67
122	Effects of temperature on the physicochemical characteristics of fast pyrolysis bio-chars derived from Canadian waste biomass. <i>Fuel</i> , 2014, 125, 90-100.	3.4	266
123	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
124	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
125	Water Removal from Ethanol Vapor by Adsorption on Canola Meal after Protein Extraction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 14429-14440.	1.8	21
126	Esterification of Levulinic Acid to n-Butyl Levulinate Over Various Acidic Zeolites. <i>Catalysis Letters</i> , 2013, 143, 1220-1225.	1.4	99



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127	Ethanol Dehydration in a Pressure Swing Adsorption Process Using Canola Meal. <i>Energy &amp; Fuels</i> , 2013, 27, 6655-6664.	2.5	19
128	EFFECT OF PRETREATMENT CONDITIONS ON STRUCTURAL CHARACTERISTICS OF WHEAT STRAW. <i>Chemical Engineering Communications</i> , 2013, 200, 1251-1259.	1.5	17
129	Ethanol Dehydration in a Fixed Bed Using Canola Meal. <i>Energy &amp; Fuels</i> , 2012, 26, 5226-5231.	2.5	17
130	TPA Supported on SBA-15 as Solid Acid Catalysts for the Biodiesel Production. <i>ACS Symposium Series</i> , 2012, , 93-109.	0.5	3
131	Characterization and Activity of ZrO <sub>2</sub> Doped SBA-15 Supported NiMo Catalysts for HDS and HDN of Bitumen Derived Heavy Gas Oil. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 7882-7895.	1.8	76
132	Fischer-Tropsch synthesis over carbon nanotubes supported cobalt catalysts in a fixed bed reactor: Influence of acid treatment. <i>Fuel Processing Technology</i> , 2009, 90, 367-374.	3.7	135
133	Development of stable bimetallic catalysts for carbon dioxide reforming of methane. <i>Journal of Catalysis</i> , 2007, 249, 300-310.	3.1	585
134	Solid acid catalyzed biodiesel production by simultaneous esterification and transesterification. <i>Green Chemistry</i> , 2006, 8, 1056.	4.6	390
135	Comparison of Hydrodenitrogenation of Basic and Nonbasic Nitrogen Compounds Present in Oil Sands Derived Heavy Gas Oil. <i>Energy &amp; Fuels</i> , 2001, 15, 377-383.	2.5	84
136	Effect of diluent size on the performance of a micro-scale fixed bed multiphase reactor in up flow and down flow modes of operation. <i>Catalysis Today</i> , 2001, 64, 333-345.	2.2	35
137	Studies on the Performance of a Microscale Trickle Bed Reactor Using Different Sizes of Diluent. <i>Energy &amp; Fuels</i> , 2000, 14, 701-705.	2.5	45
138	Deposition of Fine Particles during Hydrotreating of Oil Sands Bitumen-Derived Heavy Gas Oil in a Packed Bed Reactor: Impact of Process Parameters and Surface Charge. <i>Industrial &amp; Engineering Chemistry Research</i> , 0, , .	1.8	1