

Prasert Reubroycharoen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

1,788
citations

22
h-index

39
g-index

90
ext. papers

2,266
ext. citations

5
avg, IF

5.21
L-index

#	Paper	IF	Citations
89	Nanocellulose: Extraction and application. <i>Carbon Resources Conversion</i> , 2018 , 1, 32-43	4.7	350
88	Synthesis, biological evaluation and molecular modeling study of novel tacrine-carbazole hybrids as potential multifunctional agents for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2014 , 75, 21-30	6.8	101
87	Green biodiesel production from waste cooking oil using an environmentally benign acid catalyst. <i>Waste Management</i> , 2016 , 52, 367-74	8.6	93
86	Fabrication and evaluation of nanocellulose sponge for oil/water separation. <i>Carbohydrate Polymers</i> , 2018 , 190, 184-189	10.3	90
85	Biodiesel production by methanolysis of soybean oil using calcium supported on mesoporous silica catalyst. <i>Energy Conversion and Management</i> , 2010 , 51, 1428-1431	10.6	83
84	A facile one-step way for extraction of nanocellulose with high yield by ball milling with ionic liquid. <i>Cellulose</i> , 2017 , 24, 2083-2093	5.5	64
83	Highly efficient sulfonic MCM-41 catalyst for furfural production: Furan-based biofuel agent. <i>Fuel</i> , 2016 , 174, 189-196	7.1	57
82	Cleaner alternative liquid fuels derived from the hydrodesulfurization of waste tire pyrolysis oil. <i>Energy Conversion and Management</i> , 2015 , 95, 424-434	10.6	50
81	Continuous Low-Temperature Methanol Synthesis from Syngas Using Alcohol Promoters. <i>Energy & Fuels</i> , 2003 , 17, 817-821	4.1	43
80	Biomass derived N-doped biochar as efficient catalyst supports for CO ₂ methanation. <i>Journal of CO₂ Utilization</i> , 2019 , 34, 733-741	7.6	37
79	Conversion of cellulose into lactic acid using zirconium oxide catalysts. <i>RSC Advances</i> , 2017 , 7, 18561-18568	5.8	35
78	Mechanism study on the pyrolysis of the typical ether linkages in biomass. <i>Fuel</i> , 2019 , 249, 146-153	7.1	34
77	Formation and activity of activated carbon supported Ni ₂ P catalysts for atmospheric deoxygenation of waste cooking oil. <i>Fuel Processing Technology</i> , 2019 , 185, 117-125	7.2	34
76	Highly active and stable Ni supported on CNTs-SiO ₂ fiber catalysts for steam reforming of ethanol. <i>Fuel Processing Technology</i> , 2017 , 160, 185-195	7.2	32
75	Continuous Flow Selective Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran Using Highly Active and Stable CuBd/Reduced Graphene Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14210-14216	8.3	31
74	Effect of preparation methods on activation of cobalt catalyst supported on silica fiber for Fischer-Tropsch synthesis. <i>Chemical Engineering Journal</i> , 2015 , 278, 166-173	14.7	28
73	Role of copper- or cerium-promoters on NiMo/Al ₂ O ₃ catalysts in hydrodeoxygenation of guaiacol and bio-oil. <i>Applied Catalysis A: General</i> , 2019 , 574, 151-160	5.1	25

72	Biodiesel production from Hevea brasiliensis oil using SO ₃ H-MCM-41 catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 47-55	6.8	25
71	Improving hydrocarbon yield by two-step pyrolysis of pinewood in a fluidized-bed reactor. <i>Fuel Processing Technology</i> , 2017 , 159, 19-26	7.2	24
70	Waste biomass valorization through production of xylose-based porous carbon microspheres for supercapacitor applications. <i>Waste Management</i> , 2020 , 105, 492-500	8.6	24
69	Catalytic upgrading of bio-oils over high alumina zeolites. <i>Renewable Energy</i> , 2019 , 136, 1304-1310	8.1	24
68	Photocatalytic Desulfurization of Waste Tire Pyrolysis Oil. <i>Energies</i> , 2011 , 4, 1880-1896	3.1	23
67	Biodiesel Production From Refined Palm Oil using Supercritical Ethyl Acetate in A Microreactor. <i>Energy Procedia</i> , 2015 , 79, 697-703	2.3	22
66	Solvent Regeneration of a CO ₂ -Loaded BEA& Bi-Blend Amine Solvent with the Aid of a Solid Brønsted Ce(SO ₄) ₂ /ZrO ₂ Superacid Catalyst. <i>Energy & Fuels</i> , 2019 , 33, 1334-1343	4.1	21
65	Probing the promotional roles of cerium in the structure and performance of Cu/SiO ₂ catalysts for ethanol production. <i>Catalysis Science and Technology</i> , 2018 , 8, 6441-6451	5.5	21
64	Conversion of Cellulose to Lactic Acid by Using ZrO ₂ /Al ₂ O ₃ Catalysts. <i>Catalysts</i> , 2017 , 7, 221	4	19
63	Effect of carbon number on the production of propylene and ethylene by catalytic cracking of straight-chain alkanes over phosphorus-modified ZSM-5. <i>Fuel Processing Technology</i> , 2020 , 202, 106367	7.2	17
62	A New Method of Low Temperature Methanol Synthesis. <i>Catalysis Surveys From Asia</i> , 2009 , 13, 147-163	2.8	17
61	Highly productive xylose dehydration using a sulfonic acid functionalized KIT-6 catalyst. <i>Fuel</i> , 2019 , 236, 1156-1163	7.1	17
60	Fischer-Tropsch synthesis on impregnated cobalt-based catalysts: New insights into the effect of impregnation solutions and pH value. <i>Journal of Energy Chemistry</i> , 2016 , 25, 994-1000	12	16
59	Highly active Fischer-Tropsch synthesis Co/SiO ₂ catalysts prepared from microwave irradiation. <i>Catalysis Communications</i> , 2007 , 8, 375-378	3.2	15
58	Designing a hierarchical nanosheet ZSM-35 zeolite to realize more efficient ethanol synthesis from dimethyl ether and syngas. <i>Catalysis Today</i> , 2020 , 343, 206-214	5.3	15
57	Preparation of various hierarchical HZSM-5 based catalysts for in-situ fast upgrading of bio-oil. <i>Renewable Energy</i> , 2021 , 169, 283-292	8.1	14
56	Evaluating the CO ₂ Capture Performance Using a BEA-AMP Biblend Amine Solvent with Novel High-Performing Absorber and Desorber Catalysts in a Bench-Scale CO ₂ Capture Pilot Plant. <i>Energy & Fuels</i> , 2019 , 33, 3390-3402	4.1	13
55	Production of Bio Oil from Para Rubber Seed Using Pyrolysis Process. <i>Energy Procedia</i> , 2013 , 34, 905-911	2.3	13

54	Heavy metal sequestration with a boronic acid-functionalized carbon-based adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1147-1154	6.8	12
53	Polyisoprene modified poly(alkyl acrylate) foam as oil sorbent material. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	12
52	Bio-jet fuel range in biofuels derived from hydroconversion of palm olein over Ni/zeolite catalysts and freezing point of biofuels/Jet A-1 blends. <i>Fuel</i> , 2021 , 293, 120472	7.1	12
51	Statistical optimization of biodiesel production from para rubber seed oil by SO ₃ H-MCM-41 catalyst. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 2028-2036	5.9	12
50	Investigation of Ni/SiO ₂ Fiber Catalysts Prepared by Different Methods on Hydrogen production from Ethanol Steam Reforming. <i>Catalysts</i> , 2018 , 8, 319	4	11
49	Preparation of poly acrylic acid grafted-mesoporous silica as pH responsive releasing material. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 2153-2158	6.3	11
48	Integrated catalytic hydrodeoxygenation of Napier grass pyrolysis vapor using a Ni ₂ P/C catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 140, 170-178	6	10
47	Quality improvement of oil palm shell-derived pyrolysis oil via catalytic deoxygenation over NiMoS/Al ₂ O ₃ . <i>Fuel</i> , 2015 , 143, 512-518	7.1	10
46	A Well-Defined Core-Shell-Structured Capsule Catalyst for Direct Conversion of CO into Liquefied Petroleum Gas. <i>ChemSusChem</i> , 2020 , 13, 2060-2065	8.3	10
45	Influence of Inorganic Matter in Biomass on the Catalytic Production of Aromatics and Olefins in a Fluidized-Bed Reactor. <i>Energy & Fuels</i> , 2017 , 31, 6120-6131	4.1	8
44	Direct fabrication of catalytically active Fe _x C sites by sol-gel autocombustion for preparing Fischer-Tropsch synthesis catalysts without reduction. <i>Catalysis Science and Technology</i> , 2016 , 6, 7597-7603	5.5	8
43	Fibrous platelet carbon nanofibers-silica fiber composite supports for a Co-based catalyst in the steam reforming of acetic acid. <i>Applied Catalysis A: General</i> , 2018 , 560, 215-224	5.1	8
42	New insights into vegetable oil pyrolysis by cold plasma technique. <i>Energy Procedia</i> , 2017 , 138, 1153-1158	2.3	8
41	Catalytic pyrolysis of wasted fishing net over calcined scallop shells: Analytical Py-GC/MS study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 146, 104750	6	8
40	In-situ catalytic upgrading of bio-oil derived from fast pyrolysis of sunflower stalk to aromatic hydrocarbons over bifunctional Cu-loaded HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 155, 105079	6	8
39	Active Fischer-Tropsch synthesis Fe-Cu-K/SiO ₂ catalysts prepared by autocombustion method without a reduction step. <i>Journal of Energy Chemistry</i> , 2018 , 27, 432-438	12	8
38	Enhanced electrochemical performances with a copper/xylose-based carbon composite electrode. <i>Applied Surface Science</i> , 2018 , 436, 639-645	6.7	7
37	Olefin-rich gasoline-range hydrocarbons from oligomerization of bio-syngas over Ni/ASA catalyst. <i>Fuel Processing Technology</i> , 2017 , 167, 702-710	7.2	7

36	Ni/SiO ₂ fiber catalyst prepared by electrospinning technique for glycerol reforming to synthesis gas. <i>Studies in Surface Science and Catalysis</i> , 2010 , 689-693	1.8	7
35	Catalytic pyrolysis of Napier grass with nickel-copper core-shell bi-functional catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 145, 104745	6	7
34	Biofuel preparation from waste chicken fat using coal fly ash as a catalyst: Optimization and kinetics study in a batch reactor. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103155	6.8	6
33	Structure-Activity Analysis and Molecular Docking Studies of Coumarins from as Multifunctional Agents for Alzheimer's Disease. <i>Biomedicines</i> , 2020 , 8,	4.8	6
32	Glycerol valorization through production of di-glyceryl butyl ether with sulfonic acid functionalized KIT-6 catalyst. <i>Carbon Resources Conversion</i> , 2020 , 3, 182-189	4.7	6
31	Bio-Oil Production from Liquid-Phase Pyrolysis of Giant Leucaena Wood. <i>Chemistry and Technology of Fuels and Oils</i> , 2016 , 52, 360-368	0.4	5
30	Co-production of hydrogen and carbon nanotube-silica fiber composites from ethanol steam reforming over an Ni-silica fiber catalyst. <i>Monatshefte für Chemie</i> , 2017 , 148, 1311-1321	1.4	5
29	Selective production of green solvent (isoamyl acetate) from fusel oil using a sulfonic acid-functionalized KIT-6 catalyst. <i>Molecular Catalysis</i> , 2020 , 484, 110724	3.3	5
28	Data-driven prediction of biomass pyrolysis pathways toward phenolic and aromatic products. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104836	6.8	5
27	Partial Hydrogenation of Palm Oil-Derived Biodiesel over Ni/Electrospun Silica Fiber Catalysts. <i>Catalysts</i> , 2020 , 10, 993	4	4
26	Tinospora crispa-like ZSM-5/silica fibers synthesized by electrospinning and hydrothermal method. <i>Materials Letters</i> , 2015 , 159, 135-137	3.3	3
25	Fe-Containing MOFs as Seeds for the Preparation of Highly Active Fe/Al-SBA-15 Catalysts in the NAlkylation of Aniline. <i>Molecules</i> , 2019 , 24,	4.8	3
24	A Novel, Low Temperature Synthesis Method of Dimethyl Ether Over Cu/Zn Catalyst Based on Self-Catalysis Effect of Methanol. <i>Topics in Catalysis</i> , 2009 , 52, 1079-1084	2.3	3
23	Continuous Supercritical Low-temperature Methanol Synthesis with n-Butane as a Supercritical Fluid. <i>Chemistry Letters</i> , 2008 , 37, 790-791	1.7	3
22	Catalytic conversion of bioethanol to value-added chemicals and fuels: A review 2022 , 1, 47-68		3
21	Direct biogas upgrading via CO ₂ methanation to high-quality biomethane over Ni/Mg/CNT-SiO ₂ fiber catalysts. <i>Fuel</i> , 2022 , 310, 122289	7.1	3
20	Direct synthesis of iso-paraffin fuel from palm oil on mixed heterogeneous acid and base catalysts. <i>Monatshefte für Chemie</i> , 2017 , 148, 1235-1243	1.4	2
19	Pretreatment of rice straw by hot-compressed water for enzymatic saccharification. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 2007-2013	2.8	2

18	Preparation of Co/SiO ₂ -Al ₂ O ₃ Fiber Catalyst by Electrospinning for Fischer-Tropsch Synthesis. <i>Key Engineering Materials</i> , 2015 , 659, 221-225	0.4	2
17	Inorganic-organic hybrid material based on amine-functionalized zeolite Y: A study of catalytic activity in transesterification. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 530-536	2.3	2
16	Enhanced Olefins selectivity by promoted CO adsorption on ZrO ₂ @FeCu catalyst. <i>Catalysis Today</i> , 2021 , 375, 290-297	5.3	2
15	Production of furan based biofuel with an environmental benign carbon catalyst. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 1455-1461	2.5	2
14	Comparison of catalytic and non-catalytic pyrolysis of ten typical biomass feedstocks to produce aromatics and olefins in a fluidized bed reactor. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 1371-1379	2.5	2
13	In-situ Catalytic Upgrading of Bio-oils Derived from Fast Pyrolysis of Cellulose, Hemicellulose, and Lignin over Various Zeolites. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2019 , 98, 254-258	0.5	1
12	Hydrogen Production by Steam Reforming of Fusel Oil Using a CeCoO _x Mixed-Oxide Catalyst. <i>Chemical Engineering and Technology</i> , 2020 , 43, 689-697	2	1
11	One-pot upgrading of coconut coir lignin over high-efficiency Ni ₂ P catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106702	6.8	0
10	Magnesium Oxide-Catalyzed Conversion of Chitin to Lactic Acid. <i>ChemistryOpen</i> , 2021 , 10, 308-315	2.3	0
9	Catalytic Hydrotreating of Crude Pongamia pinnata Oil to Bio-Hydrogenated Diesel over Sulfided NiMo Catalyst. <i>Energies</i> , 2022 , 15, 1547	3.1	0
8	LPG Synthesis from Syngas over Cu/ZnO-Pd Catalysts Prepared by Ultrasonic Spray Pyrolysis. <i>Key Engineering Materials</i> , 2015 , 659, 252-256	0.4	
7	Pyrolysis of Palm Oil in a Continuous Flow Microchannel Reactor. <i>Key Engineering Materials</i> , 2017 , 757, 166-170	0.4	
6	Methanol Synthesis in Inert or Catalytic Supercritical Fluid. <i>Studies in Surface Science and Catalysis</i> , 2007 , 163, 367-378	1.8	
5	High Catalytic Activity of a Nickel Phosphide Nanocatalyst Supported on Melamine-Doped Activated Carbon for Deoxygenation. <i>Topics in Catalysis</i> , 1	2.3	
4	Heterogeneous Catalysis in Hydroxymethylfurfural Conversion to Fuels and Chemicals 2020 , 355-370		
3	Effect on the Properties of Brake Pads of Recycling Dust as Filler. <i>Key Engineering Materials</i> , 2019 , 824, 52-58	0.4	
2	High selective monoaromatic hydrocarbon production via integrated pyrolysis and catalytic upgrading of Napier grass over Ca/Ni/boronic acid/KIT-6. <i>Biomass Conversion and Biorefinery</i> , 2020 , 10, 423-434	2.3	
1	Cross-border power trade with Myanmar: barriers and their removal from the Thai perspective. <i>International Journal of Public Policy</i> , 2018 , 14, 30	0.8	

