

Prasert Reubroycharoen

List of Publications by Year in descending order

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90
papers

2,776
citations

201658

27
h-index

189881

50
g-index

90
all docs

90
docs citations

90
times ranked

3613
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocellulose: Extraction and application. Carbon Resources Conversion, 2018, 1, 32-43.	5.9	613
2	Fabrication and evaluation of nanocellulose sponge for oil/water separation. Carbohydrate Polymers, 2018, 190, 184-189.	10.2	134
3	Synthesis, biological evaluation and molecular modeling study of novel tacrine-carbazole hybrids as potential multifunctional agents for the treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2014, 75, 21-30.	5.5	128
4	Green biodiesel production from waste cooking oil using an environmentally benign acid catalyst. Waste Management, 2016, 52, 367-374.	7.4	110
5	Biodiesel production by methanolysis of soybean oil using calcium supported on mesoporous silica catalyst. Energy Conversion and Management, 2010, 51, 1428-1431.	9.2	96
6	A facile one-step way for extraction of nanocellulose with high yield by ball milling with ionic liquid. Cellulose, 2017, 24, 2083-2093.	4.9	95
7	Cleaner alternative liquid fuels derived from the hydrodesulfurization of waste tire pyrolysis oil. Energy Conversion and Management, 2015, 95, 424-434.	9.2	74
8	Highly efficient sulfonic MCM-41 catalyst for furfural production: Furan-based biofuel agent. Fuel, 2016, 174, 189-196.	6.4	70
9	Biomass derived N-doped biochar as efficient catalyst supports for CO ₂ methanation. Journal of CO ₂ Utilization, 2019, 34, 733-741.	6.8	62
10	Continuous Low-Temperature Methanol Synthesis from Syngas Using Alcohol Promoters. Energy & Fuels, 2003, 17, 817-821.	5.1	58
11	Conversion of cellulose into lactic acid using zirconium oxide catalysts. RSC Advances, 2017, 7, 18561-18568.	3.6	49
12	Mechanism study on the pyrolysis of the typical ether linkages in biomass. Fuel, 2019, 249, 146-153.	6.4	48
13	Continuous Flow Selective Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran Using Highly Active and Stable Cu-Pd/Reduced Graphene Oxide. ACS Sustainable Chemistry and Engineering, 2019, 7, 14210-14216.	6.7	47
14	Highly active and stable Ni supported on CNTs-SiO ₂ fiber catalysts for steam reforming of ethanol. Fuel Processing Technology, 2017, 160, 185-195.	7.2	41
15	Formation and activity of activated carbon supported Ni ₂ P catalysts for atmospheric deoxygenation of waste cooking oil. Fuel Processing Technology, 2019, 185, 117-125.	7.2	41
16	Waste biomass valorization through production of xylose-based porous carbon microspheres for supercapacitor applications. Waste Management, 2020, 105, 492-500.	7.4	41
17	Solvent Regeneration of a CO ₂ -Loaded BEA-AMP Bi-Blend Amine Solvent with the Aid of a Solid Brønsted Ce(SO ₄) ₂ /ZrO ₂ Superacid Catalyst. Energy & Fuels, 2019, 33, 1334-1343.	5.1	40
18	Effect of carbon number on the production of propylene and ethylene by catalytic cracking of straight-chain alkanes over phosphorus-modified ZSM-5. Fuel Processing Technology, 2020, 202, 106367.	7.2	39

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19	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.	5.5	39
20	Catalytic upgrading of bio-oils over high alumina zeolites. <i>Renewable Energy</i> , 2019, 136, 1304-1310.	8.9	38
21	Role of copper- or cerium-promoters on NiMo/ γ -Al ₂ O ₃ catalysts in hydrodeoxygenation of guaiacol and bio-oil. <i>Applied Catalysis A: General</i> , 2019, 574, 151-160.	4.3	37
22	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.	4.1	36
23	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.	12.7	33
24	Biodiesel production from Hevea brasiliensis oil using SO ₃ H-MCM-41 catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 47-55.	6.7	33
25	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	32
26	Photocatalytic Desulfurization of Waste Tire Pyrolysis Oil. <i>Energies</i> , 2011, 4, 1880-1896.	3.1	31
27	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.	6.4	31
28	Biodiesel Production from Refined Palm Oil using Supercritical Ethyl Acetate in A Microreactor. <i>Energy Procedia</i> , 2015, 79, 697-703.	1.8	28
29	Highly productive xylose dehydration using a sulfonic acid functionalized KIT-6 catalyst. <i>Fuel</i> , 2019, 236, 1156-1163.	6.4	27
30	Preparation of various hierarchical HZSM-5 based catalysts for in-situ fast upgrading of bio-oil. <i>Renewable Energy</i> , 2021, 169, 283-292.	8.9	27
31	Conversion of Cellulose to Lactic Acid by Using ZrO ₂ -Al ₂ O ₃ Catalysts. <i>Catalysts</i> , 2017, 7, 221.	3.5	25
32	Evaluating the CO ₂ Capture Performance Using a BEA-AMP Blend 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.	5.1	25
33	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.	4.9	24
34	A Well-Defined Core-Shell Structured Capsule Catalyst for Direct Conversion of CO ₂ into Liquefied Petroleum Gas. <i>ChemSusChem</i> , 2020, 13, 2060-2065.	6.8	23
35	Highly active Fischer-Tropsch synthesis Co/SiO ₂ catalysts prepared from microwave irradiation. <i>Catalysis Communications</i> , 2007, 8, 375-378.	3.3	21
36	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.	4.4	21

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37	A New Method of Low Temperature Methanol Synthesis. <i>Catalysis Surveys From Asia</i> , 2009, 13, 147-163.	2.6	20
38	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.	12.9	20
39	Heavy metal sequestration with a boronic acid-functionalized carbon-based adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1147-1154.	6.7	19
40	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.	5.5	18
41	Production of Bio Oil from Para Rubber Seed Using Pyrolysis Process. <i>Energy Procedia</i> , 2013, 34, 905-911.	1.8	17
42	Polyisoprene modified poly(alkyl acrylate) foam as oil sorbent material. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	17
43	Investigation of Ni/SiO ₂ Fiber Catalysts Prepared by Different Methods on Hydrogen production from Ethanol Steam Reforming. <i>Catalysts</i> , 2018, 8, 319.	3.5	17
44	Structure-Activity Analysis and Molecular Docking Studies of Coumarins from <i>Toddalia asiatica</i> as Multifunctional Agents for Alzheimer's Disease. <i>Biomedicines</i> , 2020, 8, 107.	3.2	17
45	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.	5.8	15
46	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.	5.5	14
47	Catalytic pyrolysis of Napier grass with nickel-copper core-shell bi-functional catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 145, 104745.	5.5	14
48	Direct biogas upgrading via CO ₂ methanation to high-quality biomethane over NiMg/CNT-SiO ₂ fiber catalysts. <i>Fuel</i> , 2022, 310, 122289.	6.4	13
49	Catalytic conversion of bioethanol to value-added chemicals and fuels: A review. , 2022, 1, 47-68.		13
50	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.	1.5	12
51	Quality improvement of oil palm shell-derived pyrolysis oil via catalytic deoxygenation over NiMoS ₂ -Al ₂ O ₃ . <i>Fuel</i> , 2015, 143, 512-518.	6.4	12
52	New insights into vegetable oil pyrolysis by cold plasma technique. <i>Energy Procedia</i> , 2017, 138, 1153-1158.	1.8	12
53	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.	12.9	12
54	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.	4.3	12

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55	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.	4.1	11
56	Enhanced electrochemical performances with a copper/xylose-based carbon composite electrode. <i>Applied Surface Science</i> , 2018, 436, 639-645.	6.1	11
57	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.	5.1	10
58	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.	6.7	10
59	Partial Hydrogenation of Palm Oil-Derived Biodiesel over Ni/Electrospun Silica Fiber Catalysts. <i>Catalysts</i> , 2020, 10, 993.	3.5	10
60	Data-driven prediction of biomass pyrolysis pathways toward phenolic and aromatic products. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104836.	6.7	10
61	Multi-Target Actions of Acridones from <i>Atalantia monophylla</i> towards Alzheimer's Pathogenesis and Their Pharmacokinetic Properties. <i>Pharmaceuticals</i> , 2021, 14, 888.	3.8	10
62	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.	5.9	10
63	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	9
64	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.	1.8	9
65	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.	2.0	9
66	Catalytic Hydrotreating of Crude <i>Pongamia pinnata</i> Oil to Bio-Hydrogenated Diesel over Sulfided NiMo Catalyst. <i>Energies</i> , 2022, 15, 1547.	3.1	8
67	Enhanced α -olefins selectivity by promoted CO adsorption on ZrO ₂ @FeCu catalyst. <i>Catalysis Today</i> , 2021, 375, 290-297.	4.4	7
68	Bio-Oil Production from Liquid-Phase Pyrolysis of Giant <i>Leucaena</i> Wood. <i>Chemistry and Technology of Fuels and Oils</i> , 2016, 52, 360-368.	0.5	6
69	Production of furan based biofuel with an environmental benign carbon catalyst. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 1455-1461.	2.3	6
70	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, 2695.	3.8	6
71	Continuous Supercritical Low-temperature Methanol Synthesis with <i>n</i> -Butane as a Supercritical Fluid. <i>Chemistry Letters</i> , 2008, 37, 790-791.	1.3	4
72	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.	1.7	4

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73	Direct synthesis of iso-paraffin fuel from palm oil on mixed heterogeneous acid and base catalysts. Monatshefte für Chemie, 2017, 148, 1235-1243.	1.8	4
74	High selective monoaromatic hydrocarbon production via integrated pyrolysis and catalytic upgrading of Napier grass over Ca/Ni/boronic acid/KIT-6. Biomass Conversion and Biorefinery, 2020, 10, 423-434.	4.6	4
75	One-pot upgrading of coconut coir lignin over high-efficiency Ni ₂ P catalysts. Journal of Environmental Chemical Engineering, 2021, 9, 106702.	6.7	4
76	A Novel, Low Temperature Synthesis Method of Dimethyl Ether Over Cu-Zn Catalyst Based on Self-Catalysis Effect of Methanol. Topics in Catalysis, 2009, 52, 1079-1084.	2.8	3
77	Pretreatment of rice straw by hot-compressed water for enzymatic saccharification. Korean Journal of Chemical Engineering, 2015, 32, 2007-2013.	2.7	3
78	Tinospora crista-like ZSM-5/silica fibers synthesized by electrospinning and hydrothermal method. Materials Letters, 2015, 159, 135-137.	2.6	3
79	Comparison of catalytic and non-catalytic pyrolysis of ten typical biomass feedstocks to produce aromatics and olefins in a fluidized bed reactor. Environmental Progress and Sustainable Energy, 2018, 37, 1371-1379.	2.3	3
80	Magnesium Oxide-Catalyzed Conversion of Chitin to Lactic Acid. ChemistryOpen, 2021, 10, 308-315.	1.9	3
81	Preparation of Co/SiO ₂ -Al ₂ O ₃ Fiber Catalyst by Electrospinning for Fischer-Tropsch Synthesis. Key Engineering Materials, 2015, 659, 221-225.	0.4	2
82	In-situ Catalytic Upgrading of Bio-oils Derived from Fast Pyrolysis of Cellulose, Hemicellulose, and Lignin over Various Zeolites. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2019, 98, 254-258.	0.2	2
83	Hydrogen Production by Steam Reforming of Fusel Oil Using a CeCoO _x Mixed Oxide Catalyst. Chemical Engineering and Technology, 2020, 43, 689-697.	1.5	2
84	Effect on the Properties of Brake Pads of Recycling Dust as Filler. Key Engineering Materials, 2019, 824, 52-58.	0.4	1
85	High Catalytic Activity of a Nickel Phosphide Nanocatalyst Supported on Melamine-Doped Activated Carbon for Deoxygenation. Topics in Catalysis, 2023, 66, 22-33.	2.8	1
86	Methanol Synthesis in Inert or Catalytic Supercritical Fluid. Studies in Surface Science and Catalysis, 2007, 163, 367-378.	1.5	0
87	LPG Synthesis from Syngas over Cu/ZnO-Pd Catalysts Prepared by Ultrasonic Spray Pyrolysis. Key Engineering Materials, 2015, 659, 252-256.	0.4	0
88	Pyrolysis of Palm Oil in a Continuous Flow Microchannel Reactor. Key Engineering Materials, 2017, 757, 166-170.	0.4	0
89	Cross-border power trade with Myanmar: barriers and their removal from the Thai's perspective. International Journal of Public Policy, 2018, 14, 30.	0.1	0
90	Heterogeneous Catalysis in Hydroxymethylfurfural Conversion to Fuels and Chemicals. , 2020, , 355-370.		0