Kajornsak Faungnawakij

List of Publications by Year
in descending order

169 papers	5,921 citations	66343 42 h-index	95266 68 g-index
174 all docs	174 docs citations	174 times ranked	5751 citing authors

#	Article	IF	Citations
1	Waste shells of mollusk and egg as biodiesel production catalysts. Bioresource Technology, 2010, 101, 3765-3767.	9.6	336
2	Biodiesel production over Ca-based solid catalysts derived from industrial wastes. Fuel, 2012, 92, 239-244.	6.4	213
3	Roles of monometallic catalysts in hydrodeoxygenation of palm oil to green diesel. Chemical Engineering Journal, 2015, 278, 249-258.	12.7	180
4	Industrial eggshell wastes as the heterogeneous catalysts for microwave-assisted biodiesel production. Catalysis Today, 2012, 190, 112-116.	4.4	175
5	Hydrogen production from dimethyl ether steam reforming over composite catalysts of copper ferrite spinel and alumina. Applied Catalysis B: Environmental, 2007, 74, 144-151.	20.2	166
6	Production of bio-hydrogenated diesel by catalytic hydrotreating of palm oil over NiMoS2/Î³-Al2O3 catalyst. Bioresource Technology, 2014, 158, 81-90.	9.6	156
7	Tuning of catalytic CO2 hydrogenation by changing composition of CuOâ€“ZnOâ€“ZrO2 catalysts. Energy Conversion and Management, 2016, 118, 21-31.	9.2	140
8	Thermodynamic evaluation of methanol steam reforming for hydrogen production. Journal of Power Sources, 2006, 161, 87-94.	7.8	134
9	Recent Membrane Developments for CO₂ Separation and Capture. Chemical Engineering and Technology, 2018, 41, 211-223.	1.5	127
10	Cu-based spinel catalysts CuB2O4 (B=Fe, Mn, Cr, Ga, Al, Fe0.75Mn0.25) for steam reforming of dimethyl ether. Applied Catalysis A: General, 2008, 341, 139-145.	4.3	115
11	Influence of solidâ€“acid catalysts on steam reforming and hydrolysis of dimethyl ether for hydrogen production. Applied Catalysis A: General, 2006, 304, 40-48.	4.3	104
12	Catalytic behaviors of Ni/Î³-Al₂O₃and Co/Î³-Al₂O₃during the hydrodeoxygenation of palm oil. Catalysis Science and Technology, 2015, 5, 3693-3705.	4.1	96
13	Biodiesel production from transesterification of palm oil with methanol over CaO supported on bimodal meso-macroporous silica catalyst. Bioresource Technology, 2014, 156, 329-334.	9.6	91
14	Crystal structure and surface species of CuFe2O4 spinel catalysts in steam reforming of dimethyl ether. Applied Catalysis B: Environmental, 2009, 92, 341-350.	20.2	82
15	Deoxygenation of palm kernel oil to jet fuel-like hydrocarbons using Ni-MoS 2 / Î³ -Al 2 O 3 catalysts. Energy Conversion and Management, 2017, 134, 188-196.	9.2	82
16	A comparative study of solid acids in hydrolysis and steam reforming of dimethyl ether. Applied Catalysis A: General, 2007, 333, 114-121.	4.3	80
17	Deoxygenation of Waste Chicken Fats to Green Diesel over Ni/Al₂O₃: Effect of Water and Free Fatty Acid Content. Energy & Fuels, 2015, 29, 833-840.	5.1	73
18	Direct synthesis of dimethyl ether from CO₂ hydrogenation over Cuâ€“ZnOâ€“ZrO₂/SO₄^{2âˆ’}â€“ZrO₂ hybrid catalysts: effects of sulfur-to-zirconia ratios. Catalysis Science and Technology, 2015, 5, 2347-2357.	4.1	71

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19	Deactivation and regeneration behaviors of copper spinelâ€“alumina composite catalysts in steam reforming of dimethyl ether. Journal of Catalysis, 2008, 256, 37-44.	6.2	70
20	NiAl2O4 spinel-type catalysts for deoxygenation of palm oil to green diesel. Chemical Engineering Journal, 2018, 345, 107-113.	12.7	70
21	Advances in catalytic production of value-added biochemicals and biofuels via furfural platform derived lignocellulosic biomass. Biomass and Bioenergy, 2021, 148, 106033.	5.7	69
22	Visible-light-driven WO3/BiOBr heterojunction photocatalysts for oxidative coupling of amines to imines: Energy band alignment and mechanistic insight. Journal of Colloid and Interface Science, 2020, 560, 213-224.	9.4	68
23	Coke-resistant defect-confined Ni-based nanosheet-like catalysts derived from halloysites for CO₂ reforming of methane. Nanoscale, 2018, 10, 10528-10537.	5.6	67
24	Conversion of fructose, glucose, and cellulose to 5-hydroxymethylfurfural by alkaline earth phosphate catalysts in hot compressed water. Carbohydrate Research, 2012, 363, 58-61.	2.3	65
25	Deoxygenation of oleic acid under an inert atmosphere using molybdenum oxide-based catalysts. Energy Conversion and Management, 2018, 167, 1-8.	9.2	65
26	Comprehensive Mechanism of CO₂ Electroreduction toward Ethylene and Ethanol: The Solvent Effect from Explicit Waterâ€“Cu(100) Interface Models. ACS Catalysis, 2021, 11, 9688-9701.	11.2	65
27	Magnesia modified with strontium as a solid base catalyst for transesterification of palm olein. Chemical Engineering Journal, 2010, 162, 58-66.	12.7	63
28	New understanding of crystal control and facet selectivity of titanium dioxide ruling photocatalytic performance. Journal of Materials Chemistry A, 2019, 7, 8156-8166.	10.3	63
29	Thermodynamic analysis of carbon formation boundary and reforming performance for steam reforming of dimethyl ether. Journal of Power Sources, 2007, 164, 73-79.	7.8	61
30	5-Hydroxymethylfurfural production from sugars and cellulose in acid- and base-catalyzed conditions under hot compressed water. Journal of Industrial and Engineering Chemistry, 2012, 18, 1893-1901.	5.8	61
31	High-Performance Binary Moâ€“Ni Catalysts for Efficient Carbon Removal during Carbon Dioxide Reforming of Methane. ACS Catalysis, 2021, 11, 12087-12095.	11.2	61
32	Cooperatively enhanced coking resistance via boron nitride coating over Ni-based catalysts for dry reforming of methane. Applied Catalysis B: Environmental, 2022, 302, 120859.	20.2	61
33	Conversion of xylose to levulinic acid over modified acid functions of alkaline-treated zeolite Y in hot-compressed water. Chemical Engineering Journal, 2014, 258, 341-347.	12.7	60
34	Development of Hydrophilic PVDF Membrane Using Vapour Induced Phase Separation Method for Produced Water Treatment. Membranes, 2020, 10, 121.	3.0	59
35	Characteristics and catalytic properties of Ptâ€“Sn/Al2O3 nanoparticles synthesized by one-step flame spray pyrolysis in the dehydrogenation of propane. Applied Catalysis A: General, 2009, 370, 1-6.	4.3	58
36	Effect of Thermal Treatment on Activity and Durability of CuFe₂O₄â€“Al₂O₃ Composite Catalysts for Steam Reforming of Dimethyl Ether. Angewandte Chemie - International Edition, 2008, 47, 9314-9317.	13.8	54

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37	Catalytic hydrogen production from dimethyl ether over CuFe2O4 spinel-based composites: Hydrogen reduction and metal dopant effects. Catalysis Today, 2008, 138, 157-161.	4.4	49
38	Effect of Ni-CNTs/mesocellular silica composite catalysts on carbon dioxide reforming of methane. Applied Catalysis A: General, 2014, 475, 16-26.	4.3	48
39	A facile and low-cost synthesis of MoS2 for hydrodeoxygenation of phenol. Catalysis Communications, 2015, 68, 31-35.	3.3	47
40	One-pot synthesis of calcium-incorporated MCM-41 as a solid base catalyst for transesterification of palm olein. Catalysis Communications, 2011, 16, 25-29.	3.3	45
41	Limiting mechanisms in catalytic steam reforming of dimethyl ether. Applied Catalysis B: Environmental, 2010, 97, 21-27.	20.2	43
42	Hydrogen-free hydrogenation of furfural to furfuryl alcohol and 2-methylfuran over Ni and Co-promoted Cu/Î³-Al2O3 catalysts. Fuel Processing Technology, 2021, 214, 106721.	7.2	43
43	Effect of alumina hydroxylation on glycerol hydrogenolysis to 1,2-propanediol over Cu/Al₂O₃: combined experiment and DFT investigation. RSC Advances, 2015, 5, 11188-11197.	3.6	42
44	Beyond Artificial Photosynthesis: Prospects on Photobiorefinery. ChemCatChem, 2020, 12, 1873-1890.	3.7	42
45	Copper phosphate nanostructures catalyze dehydration of fructose to 5-hydroxymethylfufural. Catalysis Communications, 2012, 29, 96-100.	3.3	41
46	Degradation and regeneration of copper-iron spinel and zeolite composite catalysts in steam reforming of dimethyl ether. Applied Catalysis A: General, 2010, 378, 234-242.	4.3	39
47	SUT-NANOTEC-SLRI beamline for X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2017, 24, 707-716.	2.4	39
48	Effect of membrane properties on tilted panel performance of microalgae biomass filtration for biofuel feedstock. Renewable and Sustainable Energy Reviews, 2020, 120, 109666.	16.4	38
49	Transmission electron microscopic observation on reduction process of copperâ€"iron spinel catalyst for steam reforming of dimethyl ether. Applied Catalysis B: Environmental, 2008, 80, 156-167.	20.2	37
50	Carbon-structure affecting catalytic carbon dioxide reforming of methane reaction over Ni-carbon composites. Journal of CO2 Utilization, 2016, 16, 245-256.	6.8	37
51	Direct synthesis of dimethyl ether from CO 2 hydrogenation over novel hybrid catalysts containing a Cu ZnO ZrO 2 catalyst admixed with WO x /Al 2 O 3 catalysts: Effects of pore size of Al 2 O 3 support and W loading content. Energy Conversion and Management, 2018, 159, 20-29.	9.2	37
52	Coking-resistant dry reforming of methane over BNâ€"nanoceria interface-confined Ni catalysts. Catalysis Science and Technology, 2020, 10, 4237-4244.	4.1	37
53	Srâ€"Mg Mixed Oxides as Biodiesel Production Catalysts. ChemCatChem, 2012, 4, 209-216.	3.7	35
54	Cuâ€"Cr, Cuâ€"Mn, and Cuâ€"Fe Spinel-Oxide-Type Catalysts for Reforming of Oxygenated Hydrocarbons. Journal of Physical Chemistry C, 2013, 117, 23757-23765.	3.1	35

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55	Effective Cu/Re promoted Ni-supported Î³-Al2O3 catalyst for upgrading algae bio-crude oil produced by hydrothermal liquefaction. Fuel Processing Technology, 2021, 216, 106670.	7.2	35
56	A study of various zeolites and CuFe2O4 spinel composite catalysts in steam reforming and hydrolysis of dimethyl ether. International Journal of Hydrogen Energy, 2011, 36, 1433-1441.	7.1	34
57	Copper ferrite spinel oxide catalysts for palm oil methanolysis. Applied Catalysis A: General, 2016, 525, 68-75.	4.3	34
58	Defining nickel phosphides supported on sodium mordenite for hydrodeoxygenation of palm oil. Fuel Processing Technology, 2020, 198, 106236.	7.2	34
59	Catalytic performance enhancement by heat treatment of CuFe2O4 spinel and Î³-alumina composite catalysts for steam reforming of dimethyl ether. Applied Catalysis A: General, 2009, 365, 71-78.	4.3	33
60	Control of Polymorphism of Metalâ€“Organic Frameworks Using Mixed-Metal Approach. Crystal Growth and Design, 2018, 18, 16-21.	3.0	33
61	Role of Sn promoter in Ni/Al₂O₃ catalyst for the deoxygenation of stearic acid and coke formation: experimental and theoretical studies. Catalysis Science and Technology, 2019, 9, 3361-3372.	4.1	33
62	Engineering zirconium-based UiO-66 for effective chemical conversion of <scp>d</scp>-xylose to lactic acid in aqueous condition. Chemical Communications, 2020, 56, 8019-8022.	4.1	33
63	Effect of preparation variables on morphology and anataseâ€“brookite phase transition in sonication assisted hydrothermal reaction for synthesis of titanate nanostructures. Materials Chemistry and Physics, 2009, 118, 254-258.	4.0	31
64	Hydrogen storage performance of platinum supported carbon nanohorns: A DFT study of reaction mechanisms, thermodynamics, and kinetics. International Journal of Hydrogen Energy, 2018, 43, 23336-23345.	7.1	31
65	Development of A Novel Corrugated Polyvinylidene difluoride Membrane via Improved Imprinting Technique for Membrane Distillation. Polymers, 2019, 11, 865.	4.5	31
66	Properties of mesoporous Al-SBA-15 from one-pot hydrothermal synthesis with different aluminium precursors and catalytic performances in xylose conversion to furfural. Microporous and Mesoporous Materials, 2021, 317, 110999.	4.4	30
67	Sustainable utilization of waste glycerol for 1,3-propanediol production over Pt/WOx/Al2O3 catalysts: Effects of catalyst pore sizes and optimization of synthesis conditions. Environmental Pollution, 2021, 272, 116029.	7.5	29
68	Synthesis, structural characterization, and magnetic property ofÂnanostructured ferrite spinel oxides (AFe2O4, AÂ=ÂCo, Ni and Zn). Materials Chemistry and Physics, 2013, 143, 203-208.	4.0	27
69	Selective conversion of xylose to lactic acid over metal-based Lewis acid supported on Î³-Al2O3 catalysts. Catalysis Today, 2021, 367, 205-212.	4.4	27
70	Roles of acidic sites in alumina catalysts for efficient <scp>d</scp>-xylose conversion to lactic acid. Green Chemistry, 2020, 22, 8572-8583.	9.0	26
71	Removal of acetaldehyde in air using a wetted-wall corona discharge reactor. Chemical Engineering Journal, 2004, 103, 115-122.	12.7	25
72	Modeling of Experimental Treatment of Acetaldehyde-Laden Air and Phenol-Containing Water Using Corona Discharge Technique. Environmental Science & Technology, 2006, 40, 1622-1628.	10.0	25

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73	Stability Enhancement in Ni-Promoted Cuâˆ’Fe Spinel Catalysts for Dimethyl Ether Steam Reforming. Journal of Physical Chemistry C, 2009, 113, 18455-18458.	3.1	25
74	Development of SO42âˆ’â€“ZrO2 acid catalysts admixed with a CuO-ZnO-ZrO2 catalyst for CO2 hydrogenation to dimethyl ether. Fuel, 2019, 241, 695-703.	6.4	25
75	Palm Oil Conversion to Bio-Jet and Green Diesel Fuels over Cobalt Phosphide on Porous Carbons Derived from Palm Male Flowers. Catalysts, 2020, 10, 694.	3.5	25
76	Cu-Al spinel-oxide catalysts for selective hydrogenation of furfural to furfuryl alcohol. Catalysis Today, 2021, 367, 177-188.	4.4	25
77	Catalytic behavior toward oxidative steam reforming of dimethyl ether over CuFe2O4-Al2O3 composite catalysts. Applied Catalysis A: General, 2010, 382, 21-27.	4.3	24
78	Dimethyl Etherâ€"Reforming Catalysts for Hydrogen Production. Catalysis Surveys From Asia, 2011, 15, 12-24.	2.6	23
79	Composite membranes of graphene oxide for CO₂/CH₄ separation. Journal of Chemical Technology and Biotechnology, 2019, 94, 2783-2791.	3.2	23
80	A Combined Experimental and Theoretical Study on the Hydrolysis of Dimethyl Ether over H-ZSM-5. Journal of Physical Chemistry C, 2011, 115, 11649-11656.	3.1	21
81	Effect of 3d-transition metals doped in ZnO monolayers on the CO2 electrochemical reduction to valuable products: first principles study. Applied Surface Science, 2021, 550, 149380.	6.1	21
82	Nanoporous Magnetic Carbon Nanofiber Aerogels with Embedded Î±-Fe/Î³-Fe Coreâ€"Shell Nanoparticles for Oil Sorption and Recovery. ACS Applied Nano Materials, 2022, 5, 2885-2896.	5.0	21
83	Photoâ€"Thermo-Dual Catalysis of Levulinic Acid and Levulinate Ester to Î³-Valerolactone. ACS Catalysis, 2022, 12, 1677-1685.	11.2	21
84	Evaluation of the thermodynamic equilibrium of the autothermal reforming of dimethyl ether. International Journal of Hydrogen Energy, 2011, 36, 5865-5874.	7.1	20
85	Development of Polysulfone Membrane via Vapor-Induced Phase Separation for Oil/Water Emulsion Filtration. Polymers, 2020, 12, 2519.	4.5	20
86	Deoxygenations of palm oil-derived methyl esters over mono- and bimetallic NiCo catalysts. Journal of Environmental Chemical Engineering, 2021, 9, 105128.	6.7	20
87	Electrospun Nylon 6,6/ZIF-8 Nanofiber Membrane for Produced Water Filtration. Water (Switzerland), 2019, 11, 2111.	2.7	19
88	Solvent-Free Hydrodeoxygenation of Triglycerides to Diesel-like Hydrocarbons over Pt-Decorated MoO₂ Catalysts. ACS Omega, 2020, 5, 6956-6966.	3.5	19
89	Polyvinylidene Fluoride Membrane Via Vapour Induced Phase Separation for Oil/Water Emulsion Filtration. Polymers, 2021, 13, 427.	4.5	19
90	Development of Polyvinylidene Fluoride Membrane via Assembly of Tannic Acid and Polyvinylpyrrolidone for Filtration of Oil/Water Emulsion. Polymers, 2021, 13, 976.	4.5	18

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91	Simultaneous activation of copper mixed metal oxide catalysts in alcohols for gamma-valerolactone production from methyl levulinate. Applied Catalysis A: General, 2019, 579, 91-98.	4.3	17
92	Highly dispersed Ni Cu nanoparticles on SBA-15 for selective hydrogenation of methyl levulinate to Î³-valerolactone. International Journal of Hydrogen Energy, 2020, 45, 24054-24065.	7.1	17
93	Effects of Matching Facet Pairs of TiO 2 on Photoelectrochemical Water Splitting Behaviors. ChemCatChem, 2020, 12, 2116-2124.	3.7	17
94	Hydrodeoxygenation of palm oil to green diesel products on mixed-phase nickel phosphides. Molecular Catalysis, 2022, 523, 111422.	2.0	17
95	Tuning CuZn interfaces in metalâ€“organic framework-derived electrocatalysts for enhancement of CO₂ conversion to C₂ products. Catalysis Science and Technology, 2021, 11, 8065-8078.	4.1	17
96	Present Advancement in Production of Carbon Nanotubes and Their Derivatives from Industrial Waste with Promising Applications. KONA Powder and Particle Journal, 2017, 34, 24-43.	1.7	16
97	Sulfonated magnetic carbon nanoparticles from eucalyptus oil as a green and sustainable catalyst for converting fructose to 5-HMF. Catalysis Communications, 2021, 149, 106229.	3.3	16
98	Effects of colloidal TiO2 and additives on the interfacial polymerization of thin film nanocomposite membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 125046.	4.7	16
99	Rational Design of Metal-free Doped Carbon Nanohorn Catalysts for Efficient Electrosynthesis of H₂O₂ from O₂ Reduction. ACS Applied Energy Materials, 2021, 4, 12436-12447.	5.1	16
100	Effects of Kraft lignin on hydrolysis/dehydration of sugars, cellulosic and lignocellulosic biomass under hot compressed water. Bioresource Technology, 2013, 144, 504-512.	9.6	15
101	Alternative Hydrocarbon Biofuel Production via Hydrotreating under a Synthesis Gas Atmosphere. Energy & Fuels, 2017, 31, 12256-12262.	5.1	15
102	Understanding the promoter effect of bifunctional (Pt, Ni, Cu)-MoO3-x/TiO2 catalysts for the hydrodeoxygenation of p-cresol: A combined DFT and experimental study. Applied Surface Science, 2021, 547, 149170.	6.1	15
103	Cigarette Butt Waste as Material for Phase Inverted Membrane Fabrication Used for Oil/Water Emulsion Separation. Polymers, 2021, 13, 1907.	4.5	15
104	Hard magnetic membrane based on bacterial cellulose â€“ Barium ferrite nanocomposites. Carbohydrate Polymers, 2021, 264, 118016.	10.2	15
105	Catalytic Activity of Bimetallic Cu-Ag/MgO-SiO2 Toward the Conversion of Ethanol to 1,3-Butadiene. International Journal of Chemical Reactor Engineering, 2016, 14, 945-954.	1.1	14
106	Advances in bio-oil production and upgrading technologies. , 2019, , 167-198.		14
107	5-Hydroxymethylfurfural production from hexose sugars using adjustable acid- and base-functionalized mesoporous SBA-15 catalysts in aqueous media. Biomass Conversion and Biorefinery, 2021, 11, 1733-1747.	4.6	14
108	Race on Highâ€loading Metal Single Atoms and Successful Preparation Strategies. ChemCatChem, 2022, 14, .	3.7	14

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109	Flexible Thermoelectric Paper and Its Thermoelectric Generator from Bacterial Cellulose/Ag₂Se Nanocomposites. ACS Applied Energy Materials, 2022, 5, 3489-3501.	5.1	14
110	Highly efficient propane dehydrogenation promoted by reverse waterâ€“gas shift reaction on Pt-Zn alloy surfaces. Fuel, 2022, 325, 124833.	6.4	14
111	Catalytic behavior and surface species investigation over Î³-Al2O3 in dimethyl ether hydrolysis. Applied Catalysis A: General, 2013, 460-461, 99-105.	4.3	13
112	Parametric Study on Microwave-Assisted Pyrolysis Combined KOH Activation of Oil Palm Male Flowers Derived Nanoporous Carbons. Materials, 2020, 13, 2876.	2.9	13
113	Surface Modification of Magnesium Ferrite Nanoparticles for Selective and Sustainable Remediation of Congo Red. ACS Applied Nano Materials, 2021, 4, 10244-10256.	5.0	13
114	Selective hydrogenolysis of furfural into fuel-additive 2-methylfuran over a rhenium-promoted copper catalyst. Sustainable Energy and Fuels, 2021, 5, 1379-1393.	4.9	13
115	A novel catalyst of Ni hybridized with single-walled carbon nanohorns for converting methyl levulinate to Î³-valerolactone. Applied Surface Science, 2019, 474, 161-168.	6.1	12
116	Synthesis of value-added hydrocarbons via oxidative coupling of methane over MnTiO3-Na2WO4/SBA-15 catalysts. Chemical Engineering Research and Design, 2021, 148, 1110-1122.	5.6	12
117	Influential properties of activated carbon on dispersion of nickel phosphides and catalytic performance in hydrodeoxygenation of palm oil. Catalysis Today, 2021, 367, 153-164.	4.4	12
118	Microwave-induced fabrication of copper nanoparticle/carbon nanotubes hybrid material. Current Applied Physics, 2012, 12, 1575-1579.	2.4	11
119	Effect of calcination temperature on catalytic performance of alkaline earth phosphates in hydrolysis/dehydration of glucose and cellulose. Chemical Engineering Journal, 2015, 278, 92-98.	12.7	11
120	Dehydration of D-xylose to furfural using acid-functionalized MWCNTs catalysts. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 035006.	1.5	11
121	Solvent effects in integrated reaction-separation process of liquid-phase hydrogenation of furfural to furfuryl alcohol over CuAl2O4 catalysts. Catalysis Communications, 2022, 169, 106468.	3.3	11
122	X-ray photoelectron spectroscopy characterization of copperâ€“iron spinel as a catalyst for steam reforming of oxygenated hydrocarbon. Scripta Materialia, 2009, 60, 655-658.	5.2	10
123	Flame sprayed tri-metallic Ptâ€“Snâ€“X/Al2O3 catalysts (X = Ce, Zn, and K) for propane dehydration. Catalysis Communications, 2011, 12, 1161-1165.	3.3	10
124	Catalytic Behaviors of Supported Cu, Ni, and Co Phosphide Catalysts for Deoxygenation of Oleic Acid. Catalysts, 2019, 9, 715.	3.5	10
125	Phase speciation and surface analysis of copper phosphate on high surface area silica support by in situ XAS/XRD and DFT: Assessment for guaiacol hydrodeoxygenation. Applied Surface Science, 2022, 574, 151577.	6.1	9
126	Effects of Mg, Ca, Sr, and Ba Dopants on the Performance of La₂O₃ Catalysts for the Oxidative Coupling of Methane. ACS Omega, 2022, 7, 1785-1793.	3.5	9

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127	Conductive Co-triazole metal-organic framework exploited as an oxygen evolution electrocatalyst. Chemical Communications, 2022, 58, 7124-7127.	4.1	9
128	Review of Recent Research on Nanoparticle Production in Thailand. Advanced Powder Technology, 2008, 19, 443-457.	4.1	8
129	In Situ X-ray Absorption Fine Structure Probing-Phase Evolution of CuFe₂O₄ in Nanospace Confinement. Inorganic Chemistry, 2019, 58, 6584-6587.	4.0	8
130	CuAl2O4â€“CuOâ€“Al2O3 catalysts prepared by flame-spray pyrolysis for glycerol hydrogenolysis. Molecular Catalysis, 2022, 523, 111426.	2.0	8
131	Synthesis of Na2WO4-MnxOy supported on SiO2 or La2O3 as fiber catalysts by electrospinning for oxidative coupling of methane. Arabian Journal of Chemistry, 2022, 15, 103577.	4.9	8
132	Gel-combusted Ca-based catalysts for methanolysis of palm oil. Fuel, 2014, 136, 240-243.	6.4	7
133	Improving Ammonium Sorption of Bayah Natural Zeolites by Hydrothermal Method. Processes, 2020, 8, 1569.	2.8	7
134	Sulfonated graphene oxide from petrochemical waste oil for efficient conversion of fructose into levulinic acid. Catalysis Today, 2021, 375, 197-203.	4.4	7
135	Hydrogenolysis of glycerol to 1,3-propanediol over H-ZSM-5-supported iridium and rhenium oxide catalysts. Catalysis Today, 2022, 397-399, 356-364.	4.4	7
136	Unsaturated Mn(II)-Centered [Mn(BDC)]_{<i>n</i>} Metalâ€“Organic Framework with Strong Water Binding Ability and Its Potential for Dehydration of an Ethanol/Water Mixture. Inorganic Chemistry, 2018, 57, 13075-13078.	4.0	6
137	The Role of Metal Species on Aldehyde Hydrogenation over Co 13 and Ni 13 Supported on Î³â€Al 2 O 3 (110) Surfaces: A Theoretical Study. ChemistrySelect, 2020, 5, 4058-4068.	1.5	6
138	Insight into Fructose Dehydration over Lewis Acid Î±â€Cu₂P₂O₇ Catalyst. ChemNanoMat, 2021, 7, 292-298.	2.8	6
139	Tuning BrÃ¸nsted and Lewis acidity on phosphated titanium dioxides for efficient conversion of glucose to 5-hydroxymethylfurfural. RSC Advances, 2021, 11, 29196-29206.	3.6	6
140	The Effect of Catalyst Types and Starting Materials on Furan Production in Hot Compressed Water. Energy Procedia, 2011, 9, 515-521.	1.8	5
141	Current Catalytic Processes with Hybrid Materials and Composites for Heterogeneous Catalysis. , 2013, , 79-104.		5
142	Synthesis and copolymerization of oligo(lactic acid) derived norbornene macromonomers with amino acid derived norbornene monomer: Formation of the 3D macroporous scaffold. Journal of Polymer Science Part A, 2015, 53, 1660-1670.	2.3	5
143	Nanomaterial-incorporated nanofiltration membranes for organic solvent recovery. , 2019, , 159-181.		5
144	Roles of supports on reducibility and activities of Cu3P catalysts for deoxygenation of oleic acid: In situ XRD and XAS studies. Molecular Catalysis, 2022, 523, 111425.	2.0	5

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145	POSS/PDMS composite pervaporation membranes for furfural recovery. Separation and Purification Technology, 2021, 278, 119281.	7.9	5
146	Cu-Based Spinels for Catalytic Hydrogenolysis of Glycerol to 1,2-Propanediol. Science of Advanced Materials, 2017, 9, 34-41.	0.7	5
147	Co- and Ca-phosphate-based catalysts for the depolymerization of organosolv eucalyptus lignin. RSC Advances, 2015, 5, 45618-45621.	3.6	4
148	Thermo-responsive micelles prepared from brush-like block copolymers of proline- and oligo(lactide)-functionalized norbornenes. Polymer, 2019, 177, 178-188.	3.8	4
149	Simultaneous Gas-Water Purification by a Wetted-Wall Corona Discharge Reactor: Decomposition of Aqueous Phenol and Gaseous Acetaldehyde. Journal of Chemical Engineering of Japan, 2004, 37, 1373-1378.	0.6	4
150	Preparation of Porous Anhydrous MgCl2 Particles by Spray Drying Process. Engineering Journal, 2012, 16, 109-114.	1.0	4
151	Roles of Coordination Geometry in Single-Atom Catalysts. ACS Symposium Series, 2020, , 37-76.	0.5	4
152	Identification of Cooperative Reaction Sites in Metalâˆ’Organic Framework Catalysts for High Yielding Lactic Acid Production from d â€Xylose. ChemSusChem, 2022, , .	6.8	4
153	Effect of Reaction Temperature and Sonication Pretreatment in the Hydrothermal Process on the Morphology of Titanate Nano-Structure. Journal of Chemical Engineering of Japan, 2009, 42, S234-S237.	0.6	3
154	Step-by-step conversion of water hyacinth waste to carbon nanohorns by a combination of hydrothermal treatment, carbonization and arc in water processes. Diamond and Related Materials, 2021, 111, 108222.	3.9	3
155	Theoretical insight into the interaction on Ni and Cu surfaces for HMF hydrogenation: a density functional theory study. New Journal of Chemistry, 2021, 45, 21543-21552.	2.8	3
156	Correlating the effect of preparation methods on the structural and magnetic properties, and reducibility of CuFe₂O₄ catalysts. RSC Advances, 2022, 12, 15526-15533.	3.6	3
157	Experimental and theoretical investigations on the hydrolysis of dimethyl ether to methanol over H-ZSM-5. , 2010, , .		2
158	Heterogeneous Catalysts for Advanced Biofuel Production. Green Chemistry and Sustainable Technology, 2017, , 231-254.	0.7	2
159	Synthesis of copper/carbon support catalyst from Cattail flower by calcination with hydrothermal carbonization. Materials Today: Proceedings, 2017, 4, 6153-6158.	1.8	2
160	Editorial: Photocatalysis â€" From Solar Power to Sustainable Chemical Production. ChemCatChem, 2019, 11, 5838-5841.	3.7	2
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