

# Suwadee Kongparakul

## List of Publications by Citations

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71  
papers

1,055  
citations

18  
h-index

30  
g-index

72  
ext. papers

1,346  
ext. citations

4.8  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
71	Green biodiesel production from waste cooking oil using an environmentally benign acid catalyst. <i>Waste Management</i> , <b>2016</b> , 52, 367-74	8.6	93
70	Fabrication and evaluation of nanocellulose sponge for oil/water separation. <i>Carbohydrate Polymers</i> , <b>2018</b> , 190, 184-189	10.3	90
69	Highly efficient sulfonic MCM-41 catalyst for furfural production: Furan-based biofuel agent. <i>Fuel</i> , <b>2016</b> , 174, 189-196	7.1	57
68	Self-healing hybrid nanocomposite anticorrosive coating from epoxy/modified nanosilica/perfluorooctyl triethoxysilane. <i>Progress in Organic Coatings</i> , <b>2017</b> , 104, 173-179	4.8	55
67	High selectivity and stability of Mg-doped Al-MCM-41 for in-situ catalytic upgrading fast pyrolysis bio-oil. <i>Energy Conversion and Management</i> , <b>2017</b> , 142, 272-285	10.6	49
66	Selectively catalytic upgrading of bio-oil to aromatic hydrocarbons over Zn, Ce or Ni-doped mesoporous rod-like alumina catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 421, 235-244		44
65	Fine-grained BNT-based lead-free composite ceramics with high energy-storage density. <i>Ceramics International</i> , <b>2019</b> , 45, 19895-19901	5.1	42
64	Catalytic Upgrading of Bio-Oil over Cu/MCM-41 and Cu/KIT-6 Prepared by $\beta$ -Cyclodextrin-Assisted Coimpregnation Method. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3396-3407	3.8	38
63	Selective production of aromatic hydrocarbons from catalytic pyrolysis of biomass over Cu or Fe loaded mesoporous rod-like alumina. <i>RSC Advances</i> , <b>2016</b> , 6, 50618-50629	3.7	37
62	Effect of grafted methyl methacrylate on the catalytic hydrogenation of natural rubber. <i>European Polymer Journal</i> , <b>2008</b> , 44, 1915-1920	5.2	35
61	Formation and activity of activated carbon supported Ni <sub>2</sub> P catalysts for atmospheric deoxygenation of waste cooking oil. <i>Fuel Processing Technology</i> , <b>2019</b> , 185, 117-125	7.2	34
60	Preparing hydrophobic nanocellulose-silica film by a facile one-pot method. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 266-274	10.3	33
59	Superhydrophobic coating from fluoroalkylsilane modified natural rubber encapsulated SiO <sub>2</sub> composites for self-driven oil/water separation. <i>Applied Surface Science</i> , <b>2018</b> , 462, 164-174	6.7	28
58	Biodiesel production from Hevea brasiliensis oil using SO <sub>3</sub> H-MCM-41 catalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 47-55	6.8	25
57	Waste biomass valorization through production of xylose-based porous carbon microspheres for supercapacitor applications. <i>Waste Management</i> , <b>2020</b> , 105, 492-500	8.6	24
56	Synthesis of polyaniline/montmorillonite nanocomposites with an enhanced anticorrosive performance. <i>Progress in Organic Coatings</i> , <b>2014</b> , 77, 691-700	4.8	24
55	Sandwich structure-assisted significantly improved discharge energy density in linear polymer nanocomposites with high thermal stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 581, 123802	5.1	23

54	Synthesis of new polyesters by acyclic diene metathesis polymerization of bio-based dienes prepared from eugenol and castor oil (undecenoate).. <i>RSC Advances</i> , <b>2019</b> , 9, 10245-10252	3.7	19
53	Metathesis hydrogenation of natural rubber latex. <i>Applied Catalysis A: General</i> , <b>2011</b> , 405, 129-136	5.1	18
52	Catalytic hydrogenation of styrene-g-natural rubber (ST-g-NR) in the presence of OsHCl(CO)(O <sub>2</sub> )(PCy <sub>3</sub> ) <sub>2</sub> . <i>European Polymer Journal</i> , <b>2009</b> , 45, 2358-2373	5.2	18
51	Highly productive xylose dehydration using a sulfonic acid functionalized KIT-6 catalyst. <i>Fuel</i> , <b>2019</b> , 236, 1156-1163	7.1	17
50	Enhancement performance of carbon electrode for supercapacitors by quinone derivatives loading via solvent-free method. <i>Applied Surface Science</i> , <b>2019</b> , 491, 784-791	6.7	15
49	Large electrostrain in low-temperature sintered NBT-BT-0.025FN incipient piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 3739-3747	3.8	15
48	Fabrication of CuOx nanowires@NiMnOx nanosheets core@shell-type electrocatalysts: crucial roles of defect modification and valence states for overall water electrolysis. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16463-16476	13	15
47	Polyaniline/polyacrylate core-shell composites: Preparation, morphology and anticorrosive properties. <i>Progress in Organic Coatings</i> , <b>2015</b> , 85, 84-91	4.8	12
46	Heavy metal sequestration with a boronic acid-functionalized carbon-based adsorbent. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 1147-1154	6.8	12
45	Terephthalic acid induced binder-free NiCoP@carbon nanocomposite for highly efficient electrocatalysis of hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 4651-4658	5.5	12
44	Polyisoprene modified poly(alkyl acrylate) foam as oil sorbent material. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	12
43	Cellulose Graft Poly(acrylic acid) and Polyacrylamide: Grafting Efficiency and Heavy Metal Adsorption Performance. <i>Macromolecular Symposia</i> , <b>2015</b> , 354, 84-90	0.8	11
42	Green Process for Natural Rubber Latex Hydrogenation via Metathesis. <i>Topics in Catalysis</i> , <b>2012</b> , 55, 524-539	5.3	11
41	Integrated catalytic hydrodeoxygenation of Napier grass pyrolysis vapor using a Ni <sub>2</sub> P/C catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 140, 170-178	6	10
40	Grafted Methyl Methacrylate and Butyl Methacrylate onto Natural Rubber Foam for Oil Sorbent. <i>Advanced Materials Research</i> , <b>2013</b> , 844, 385-390	0.5	10
39	Efficient Conversion of Renewable Unsaturated Fatty Acid Methyl Esters by Cross-Metathesis with Eugenol. <i>ACS Omega</i> , <b>2018</b> , 3, 11041-11049	3.9	10
38	Carbon sequestration through hydrothermal carbonization of expired fresh milk and its application in supercapacitor. <i>Biomass and Bioenergy</i> , <b>2020</b> , 143, 105836	5.3	9
37	Catalytic hydrogenation of methyl methacrylate-g-natural rubber (MMA-g-NR) in the presence of OsHCl(CO)(O <sub>2</sub> )(PCy <sub>3</sub> ) <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2008</b> , 344, 88-97	5.1	8

36	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> , <b>2021</b> , 155, 105079	6	8
35	Enhanced electrochemical performances with a copper/xylose-based carbon composite electrode. <i>Applied Surface Science</i> , <b>2018</b> , 436, 639-645	6.7	7
34	Catalytic pyrolysis of Napier grass with nickel-copper core-shell bi-functional catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2020</b> , 145, 104745	6	7
33	Direct conversion of sugar into ethyl levulinate catalyzed by selective heterogeneous acid under co-solvent system. <i>Catalysis Communications</i> , <b>2020</b> , 143, 106058	3.2	6
32	Glycerol valorization through production of di-glyceryl butyl ether with sulfonic acid functionalized KIT-6 catalyst. <i>Carbon Resources Conversion</i> , <b>2020</b> , 3, 182-189	4.7	6
31	Production of bio-jet fuel through ethylene oligomerization using NiAlKIT-6 as a highly efficient catalyst. <i>Fuel</i> , <b>2021</b> , 287, 119831	7.1	6
30	Selective production of green solvent (isoamyl acetate) from fusel oil using a sulfonic acid-functionalized KIT-6 catalyst. <i>Molecular Catalysis</i> , <b>2020</b> , 484, 110724	3.3	5
29	Facile In Situ 5-EMF Synthesis and Extraction Processes from Catalytic Conversion of Sugar under Sustainable Long-Life Cycle. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 14867-14876	8.3	5
28	Data-driven prediction of biomass pyrolysis pathways toward phenolic and aromatic products. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104836	6.8	5
27	Reusable Modified Natural Rubber Foam for Petroleum-Based Liquid Removal. <i>Macromolecular Symposia</i> , <b>2015</b> , 354, 177-183	0.8	4
26	One-step latex compounding method for producing composites of natural rubber/epoxidized natural rubber/aminosilane-functionalized montmorillonite: enhancement of tensile strength and oil resistance. <i>Polymer International</i> , <b>2017</b> , 66, 1064-1073	3.3	3
25	One-Pot Fabrication of Hydrophobic Nanocellulose-Silica Film for Water Resistant Packaging Application. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , <b>2017</b> , 96, 261-265	0.5	3
24	Preparation and thermal stability of fluoroalkyl end-capped vinyltrimethoxysilane oligomeric silica/poly(acrylonitrile-co-butadiene) nanocomposites application to the separation of oil and water. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 1529-1539	2.4	3
23	Enhanced adsorptive composite foams for copper (II) removal utilising bio-renewable polyisoprene-functionalised carbon derived from coconut shell waste. <i>Scientific Reports</i> , <b>2021</b> , 11, 1459	4.9	3
22	Steam co-gasification of Japanese cedarwood and its commercial biochar for hydrogen-rich gas production. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 34587-34598	6.7	3
21	Preparation of Fluoroalkyl End-Capped Oligomers/Hexagonal Boron Nitride Nanocomposites Possessing No Weight Loss Behavior in Nanocomposites Even after Calcination at 800°C. <i>Open Journal of Composite Materials</i> , <b>2019</b> , 09, 72-98	1.1	2
20	Rapid Transformation of Furfural to Biofuel Additive Ethyl Levulinate with In Situ Suppression of Humins Promoted by an Acidic-Oxygen Environment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 14170-14179	8.3	2
19	Inorganic-organic hybrid material based on amine-functionalized zeolite Y: A study of catalytic activity in transesterification. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 530-536	2.3	2

18	Production of furan based biofuel with an environmental benign carbon catalyst. <i>Environmental Progress and Sustainable Energy</i> , <b>2018</b> , 37, 1455-1461	2.5	2
17	Study of a recycling reaction system for catalytic transformation of biomass-based carbohydrates via acidic-polar biphasic conditions. <i>Reaction Chemistry and Engineering</i> , <b>2020</b> , 5, 1405-1409	4.9	1
16	Fabrication of a Copper/Carbon Composite Based on Biomass for Electrochemical Application. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , <b>2017</b> , 96, 273-278	0.5	1
15	Preparation and thermal stability of initiator fragments end-capped oligomers/silica nanocomposites. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 1173-1186	2.4	1
14	Norbornene-Functionalized Plant Oils for Biobased Thermoset Films and Binders of Silicon-Graphite Composite Electrodes. <i>ACS Omega</i> , <b>2020</b> , 5, 29678-29687	3.9	1
13	Controlled surface modification of poly(methyl methacrylate) film by fluoroalkyl end-capped vinyltrimethoxysilane oligomeric silica/hexagonal boron nitride nanocomposites <b>2020</b> , 17, 643-655		1
12	Simultaneous assistance of molecular oxygen and mesoporous SO <sub>3</sub> H-Alumina for a selective conversion of biomass-derived furfural to Valerolactone without an external addition of H <sub>2</sub> . <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 4041-4052	5.8	1
11	MXene potassium titanate nanowire/sulfonated polyether ether ketone (SPEEK) hybrid composite proton exchange membrane for photocatalytic water splitting.. <i>RSC Advances</i> , <b>2021</b> , 11, 9327-9335	3.7	1
10	Multi-Hierarchical Porous Mn-Doped CoP Catalyst on Nickel Phosphide Foam for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 149-158	6.1	1
9	Amorphous low molecular weight aromatic compounds possessing no weight loss behavior in fluoroalkyl end-capped vinyltrimethoxysilane oligomeric silica/hexagonal boron nitride nanocomposites even after calcination at 800°C <b>2020</b> , 17, 1053-1064		0
8	Equilibrium and Kinetic Studies of Cu(II), Ni(II) and Cd(II) Adsorption from Aqueous Solution by Chemically Modified Corn Cob. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , <b>2015</b> , 94, 781-786	0.5	0
7	Fabrication of fluoroalkylsilane/zeolitic imidazolate framework composites for highly efficient superhydrophobic coating. <i>Carbon Resources Conversion</i> , <b>2022</b> , 5, 26-34	4.7	0
6	One-pot upgrading of coconut coir lignin over high-efficiency Ni <sub>2</sub> P catalysts. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106702	6.8	0
5	Wettability control between superoleophobic and superoleophilic characteristics on the modified superhydrophobic surfaces treated with fluoroalkyl end-capped vinyltrimethoxysilane oligomeric silica/poly(styrene-co-butadiene) nanocomposites: application to the separation of oil and water <b>2020</b> , 17, 311-322		0
4	Investigation of Kinetic Parameters for Methanolysis of Para Rubber Seed Oil by CH <sub>3</sub> /SO <sub>3</sub> H-MCM41 Catalyst. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , <b>2015</b> , 94, 830-834	0.5	
3	High Catalytic Activity of a Nickel Phosphide Nanocatalyst Supported on Melamine-Doped Activated Carbon for Deoxygenation. <i>Topics in Catalysis</i> , <b>2018</b> , 11, 103-111	2.3	
2	Catalytic Upgrading of Bio-Oils into Aromatic Hydrocarbon over Highly Active Solid Catalysts. <i>Biofuels and Biorefineries</i> , <b>2020</b> , 141-162	0.3	
1	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> , <b>2020</b> , 10, 423-434	2.3	

