Viboon Sricharoenchaikul

List of Publications by Citations

65 papers	1,185 citations	18 h-index	33 g-index
71 ext. papers	1,382 ext. citations	4.3 avg, IF	5.18 L-index

#	Paper	IF	Citations
65	Production of aromatic compounds from catalytic fast pyrolysis of Jatropha residues using metal/HZSM-5 prepared by ion-exchange and impregnation methods. *Renewable Energy*, **2015**, 79, 28-37	8.1	127
64	Assessment of black liquor gasification in supercritical water. *Bioresource Technology*, **2009**, 100, 638-43	11	110
63	Adsorption removal of methylene blue onto activated carbon/cellulose biocomposite films: Equilibrium and kinetic studies. *Materials Chemistry and Physics*, **2020**, 240, 122221	4.4	108
62	Catalytic upgrading pyrolysis vapors of Jatropha waste using metal promoted ZSM-5 catalysts: An analytical PY-GC/MS. *Renewable Energy*, **2014**, 65, 70-77	8.1	95
61	Preparation and Characterization of Activated Carbon from the Pyrolysis of Physic Nut (Jatropha curcas L.) Waste *Energy & Fuels*, **2008**, 22, 31-37	4.1	82
60	Thermal decomposition study on Jatropha curcas L. waste using TGA and fixed bed reactor. *Journal of Analytical and Applied Pyrolysis*, **2009**, 85, 155-162	6	81
59	Catalytic upgrading of pyrolysis vapors from Jatropha wastes using alumina, zirconia and titania based catalysts. *Bioresource Technology*, **2014**, 163, 262-9	11	46
58	Industrial waste derived CaO-based catalysts for upgrading volatiles during pyrolysis of Jatropha residues. *Journal of Analytical and Applied Pyrolysis*, **2017**, 124, 568-575	6	32
57	Effect of Pd, Ru, Ni and ceramic supports on selective deoxygenation and hydrogenation of fast pyrolysis Jatropha residue vapors. *Renewable Energy*, **2014**, 65, 92-101	8.1	32
56	Synthesis and catalytic activity of sol-gel derived LaCeNi perovskite mixed oxide on steam reforming of toluene. *Current Applied Physics*, **2012**, 12, S80-S88	2.6	31
55	Effect of CV-ZSM-5, Ni-ZSM-5 and FA-ZSM-5 catalysts for selective aromatic formation from pyrolytic vapors of rubber wastes. *Journal of Analytical and Applied Pyrolysis*, **2017**, 124, 733-741	6	29
54	Fuel gas production from peanut shell waste using a modular downdraft gasifier with the thermal integrated unit. *Renewable Energy*, **2015**, 79, 45-50	8.1	29
53	Carbon distribution in char residue from gasification of kraft black liquor. *Biomass and Bioenergy*, **2003**, 25, 209-220	5.3	29
52	Characteristic of fly ash derived-zeolite and its catalytic performance for fast pyrolysis of Jatropha waste. *Environmental Technology (United Kingdom)*, **2014**, 35, 2254-61	2.6	28
51	Effect of CaOZrO2 addition to Ni supported on Al2O3 by sequential impregnation in steam methane reforming. *International Journal of Hydrogen Energy*, **2010**, 35, 12277-12285	6.7	24
50	In situ catalytic pyrolysis of Jatropha wastes using ZSM-5 from hydrothermal alkaline fusion of fly ash. *Journal of Analytical and Applied Pyrolysis*, **2019**, 139, 156-166	6	22
49	Black Liquor Gasification Characteristics. 1. Formation and Conversion of Carbon-Containing Product Gases. *Industrial & Engineering Chemistry Research*, **2002**, 41, 5640-5649	3.9	20

48	Investigation of Pyrolyzed Chars from Physic Nut Waste for the Preparation of Activated Carbon. *Journal of Solid Mechanics and Materials Engineering*, **2007**, 1, 498-507		18
47	Catalytic fast pyrolysis of Millettia (Pongamia) pinnata waste using zeolite Y. *Journal of Analytical and Applied Pyrolysis*, **2017**, 124, 696-703	6	14
46	The effect of alkali on the product distribution from black liquor conversion under supercritical water. *Environmental Technology (United Kingdom)*, **2017**, 38, 1742-1750	2.6	14
45	Selective aromatic formation from catalytic fast pyrolysis of Jatropha residues using ZSM-5 prepared by microwave-assisted synthesis. *Journal of Analytical and Applied Pyrolysis*, **2019**, 141, 104628	6	14
44	Fuel Gas Generation from Thermochemical Conversion of Crude Glycerol Mixed with Biomass Wastes. *Energy Procedia*, **2012**, 14, 1286-1291	2.3	14
43	Black Liquor Gasification Characteristics. 2. Measurement of Condensable Organic Matter (Tar) at Rapid Heating Conditions. *Industrial & Engineering Chemistry Research*, **2002**, 41, 5650-5658	3.9	14
42	Pyrolysis of Millettia (Pongamia) pinnata waste for bio-oil production using a fly ash derived ZSM-5 catalyst. *Journal of Analytical and Applied Pyrolysis*, **2019**, 139, 239-249	6	13
41	Synthetic olivine supported nickel catalysts for gasification of glycerol. *Applied Clay Science*, **2011**, 53, 244-253	5.2	13
40	Selective catalytic fast pyrolysis of Jatropha curcas residue with metal oxide impregnated activated carbon for upgrading bio-oil. *International Journal of Hydrogen Energy*, **2017**, 42, 18397-18409	6.7	12
39	Thermo-kinetics and product analysis of the catalytic pyrolysis of Pongamia residual cake. *Journal of Environmental Management*, **2019**, 242, 238-245	7.9	10
38	Effect of synthesis time on physical properties and catalytic activities of synthesized HZSM-5 on the fast pyrolysis of Jatropha waste. *Research on Chemical Intermediates*, **2014**, 40, 2395-2406	2.8	10
37	Utilization of fly ash-derived HZSM-5: catalytic pyrolysis of Jatropha wastes in a fixed-bed reactor. *Environmental Technology (United Kingdom)*, **2017**, 38, 1660-1672	2.6	9
36	Advanced reforming of agro-waste by modular gasifier for fuel generation. *Chemical Engineering Journal*, **2015**, 282, 170-178	14.7	9
35	Phenol-derived products from fast pyrolysis of organosolv lignin. *Energy Reports*, **2020**, 6, 151-167	4.6	9
34	Pyrolysis and gasification of landfilled plastic wastes with Ni-Mg-La/Al2O3 catalyst. *Environmental Technology (United Kingdom)*, **2012**, 33, 2489-95	2.6	8
33	Enhancement of Cassava Rhizome Gasification Using Mono-Metallic Cobalt Catalysts. *Energy Procedia*, **2013**, 34, 273-281	2.3	6
32	Conversion of cassava rhizome using an in-situ catalytic drop tube reactor for fuel gas generation. *Renewable Energy*, **2015**, 79, 38-44	8.1	5
31	Fuel Gas Upgrading Over La1−xCexCoO3 Mixed Oxide with Toluene as Model Compound. *Topics in Catalysis*, **2013**, 56, 339-344	2.3	5

30	Hydrocarbon Production from Catalytic Pyrolysis-GC/MS of Sacha Inchi Residues Using SBA-15 Derived from Coal Fly Ash. *Catalysts*, **2020**, 10, 1031	4	5
29	Effect of metal oxide/alumina on catalytic deoxygentation of biofuel from physic nut residues pyrolysis. *International Journal of Hydrogen Energy*, **2017**, 42, 19629-19640	6.7	4
28	Performance of Ni/dolomite pellet catalyst on gas distribution from cassava rhizome gasification with a modular fixed-bed gasifier. *Environmental Technology (United Kingdom)*, **2017**, 38, 1176-1183	2.6	4
27	Effect of Metal-modified Carbon Catalysts on Fast Pyrolysis of Jatropha Waste. *Journal of the Japan Petroleum Institute*, **2013**, 56, 371-380	1	4
26	Investigation on thermochemical conversion of pelletized Jatropha residue and glycerol waste using single particle reactivity technique. *Chemical Engineering Journal*, **2011**, 176-177, 217-224	14.7	4
25	Adsorption isotherms and kinetics for the removal of cationic dye by Cellulose-based adsorbent biocomposite films. *Korean Journal of Chemical Engineering*, **2020**, 37, 1999-2010	2.8	4
24	Activity of Fly Ash-Derived ZSM-5 and Zeolite X on Fast Pyrolysis of Millettia (Pongamia) Pinnata Waste. *Waste and Biomass Valorization*, **2020**, 11, 715-724	3.2	4
23	Mitigating bed agglomeration in a fluidized bed gasifier operating on rice straw. *Energy Reports*, **2020**, 6, 275-285	4.6	3
22	Effect of crystallization temperature on the in situ valorization of physic nut (Jatropha curcus L.) wastes using synthetic HZSM-5 catalyst. *Chemical Engineering Research and Design*, **2014**, 92, 1883-1890	5.5	3
21	Steam reforming of tar model compound using Pd catalyst on alumina tube. *Environmental Technology (United Kingdom)*, **2012**, 33, 2497-505	2.6	3
20	Thermal Decomposition and Kinetic Study on Different Types of Glass Fiber/Unsaturated Polyester Pipe Waste. *Materials Science Forum*, **2010**, 654-656, 2652-2655	0.4	3
19	Fluidized Bed Gasification of Glycerol Waste for Generation of Fuel Products. *Journal of Biobased Materials and Bioenergy*, **2012**, 6, 643-649	1.4	3
18	Catalytic Upgrading of Jatropha Waste Fast Pyrolysis Vapors Over Synthesized HZSM-5 Using Analytical Py-GC/MS. *Journal of Biobased Materials and Bioenergy*, **2013**, 7, 252-258	1.4	3
17	Gasification of torrefied cassava rhizome with Ni/MCM-41 catalyst derived from illite waste. *Energy Reports*, **2020**, 6, 537-547	4.6	3
16	Alumina Supported Ni-Mg-La Tri-Metallic Catalysts for Toluene Steam Reforming as a Biomass Gasification Tar Model Compound. *Advanced Materials Research*, **2011**, 378-379, 614-618	0.5	2
15	Optimization of Manufacturing Conditions for Activated Carbon from Coffee (Coffea Arabica L.) Bean Waste by Chemical Activation. *Materials Science Forum*, **2010**, 658, 113-116	0.4	2
14	Catalytic performance of Co, Fe on MCM-41 synthesized from illite waste for gasification of torrefied cassava rhizome. *Energy Reports*, **2021**, 7, 149-162	4.6	2
13	Ni-Mg-La tri-metallic on alumina catalysts for steam reforming of a biomass gasification tar model compound. *International Journal of Materials and Product Technology*, **2012**, 44, 201	1	1

List of Publications

12	Effect of Complexing Agent on Morphology and Crystal Structure of La1-xCexCoO3 (x=0, 0.2, and 0.4) Perovskite-Type Mixed Oxides Catalyst Prepared by Sol-Gel Method. *Materials Science Forum*, **2010**, 658, 29-32	0.4	1
11	Preparation of Ni□MgO□La2O3 Catalyst on Alumina Support for Catalytic Tar Cracking Process. *Key Engineering Materials*, **2010**, 434-435, 826-829	0.4	1
10	Enhanced Gasification of Waste Glycerol Over Ni/SiC Catalyst for Fuel Gas Production **2009**,		1
9	Selective aromatic production from fast pyrolysis of sugarcane bagasse lignin over ZSM-5 catalyst. *Energy Reports*, **2021**, 7, 830-843	4.6	1
8	Aromatic and aliphatic production of catalytic pyrolysis of lignin using ZSM-5/Al-SBA-15 catalyst derived from high-calcium fly ash. *Energy Reports*, **2021**, 7, 232-247	4.6	1
7	Sustainable fuel production from steam reforming of waste motor oil over olivine-supported Fe catalyst. *Energy Reports*, **2021**, 7, 579-590	4.6	0
6	Gasification of Furniture Waste Sawdust in a Cyclone Gasifier. *IOP Conference Series: Earth and Environmental Science*, **2018**, 146, 012041	0.3	0
5	Bio-fuel production from catalytic fast pyrolysis of Jatropha wastes using pyroprobe GC/MS and drop tube pyrolyzer. *Journal of Analytical and Applied Pyrolysis*, **2022**, 165, 105574	6	0
4	Fuel Gas Generation from Gasification of Sacha Inchi Shell using a Drop Tube Reactor. *Energy Procedia*, **2017**, 138, 870-876	2.3	
3	Effect of Silicon Carbide Susceptor and Nickel Catalyst Content on Microwave Enhanced Thermal Conversion of Glycerol Waste. *Materials Science Forum*, **2010**, 658, 73-76	0.4	
2	Fuel Gases from Gasification Process of Glass Fiber/Epoxy Composite Waste. *Materials Science Forum*, **2011**, 695, 5-8	0.4	
1	A-21 INVESTIGATION OF CHARS PYROLYZED FROM PHYSIC NUT WASTE FOR THE PREPARATION OF ACTIVATED CARBON(Session: Inorganic Materials). *The Proceedings of the Asian Symposium on Materials and Processing*, **2006**, 2006, 21		