

Bridgid Lai Fui Chin

List of Publications by Year in Descending Order

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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.

52
papers

1,033
citations

18
h-index

31
g-index

57
ext. papers

1,493
ext. citations

5.1
avg, IF

4.9
L-index

#	Paper	IF	Citations
52	Nanotechnology and Nanomaterials for Medical Applications. <i>Materials Horizons</i> , 2022 , 63-87	0.6	0
51	Iso-conversional kinetic and thermodynamic analysis of catalytic pyrolysis for palm oil wastes 2022 , 277-300		
50	Synergistic effects of catalytic co-pyrolysis <i>Chlorella vulgaris</i> and polyethylene mixtures using artificial neuron network: Thermodynamic and empirical kinetic analyses. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107391	6.8	0
49	Immobilized enzyme/microorganism complexes for degradation of microplastics: A review of recent advances, feasibility and future prospects.. <i>Science of the Total Environment</i> , 2022 , 154868	10.2	0
48	Machine learning-assisted CO ₂ utilization in the catalytic dry reforming of hydrocarbons: Reaction pathways and multicriteria optimization analyses. <i>International Journal of Energy Research</i> , 2022 , 46, 6277-6291	4.5	1
47	Valorization of Tropical Biomass Waste by Supercritical Fluid Extraction Technology. <i>Sustainability</i> , 2021 , 13, 233	3.6	13
46	Bio-oil production from pyrolysis of oil palm biomass and the upgrading technologies: A review. <i>Carbon Resources Conversion</i> , 2021 , 4, 239-250	4.7	8
45	Thermogravimetric kinetic analysis of in-situ catalytic pyrolysis of palm oil wastes with the presence of palm oil wastes ash catalyst. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1195, 012010	0.4	10
44	Development of poly(ethylene glycol) diacrylate membrane for facilitated CO ₂ /N ₂ separation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1195, 012019	0.4	
43	The prospect of synthesis of PES/PEG blend membranes using blend NMP/DMF for CO ₂ /N ₂ separation. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	3
42	Particle swarm optimization and global sensitivity analysis for catalytic co-pyrolysis of <i>Chlorella vulgaris</i> and plastic waste mixtures. <i>Bioresource Technology</i> , 2021 , 329, 124874	11	16
41	Synergistic effects of catalytic co-pyrolysis of corn cob and HDPE waste mixtures using weight average global process model. <i>Renewable Energy</i> , 2021 , 170, 948-963	8.1	27
40	Influence of supercritical CO ₂ flowrate in one-pot supercritical fluid extraction of <i>Carica papaya</i> linn. leaves: A broken-intact-cell approach. <i>E3S Web of Conferences</i> , 2021 , 287, 02012	0.5	
39	Assessing the effects of operating parameters on flocculation of <i>Chlorella vulgaris</i> using bioflocculants extracted from miscellaneous waste biomass. <i>E3S Web of Conferences</i> , 2021 , 287, 04004	0.5	
38	A polyethylene glycol (PEG) /polyethersulfone (PES)/multi-walled carbon nanotubes (MWCNTs) polymer blend mixed matrix membrane for CO ₂ /N ₂ separation. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	6
37	A Molecular Simulation Study of Silica/Polysulfone Mixed Matrix Membrane for Mixed Gas Separation. <i>Polymers</i> , 2021 , 13,	4.5	1
36	Recent advances in green solvents for lignocellulosic biomass pretreatment: Potential of choline chloride (ChCl) based solvents. <i>Bioresource Technology</i> , 2021 , 333, 125195	11	19

35	Life-cycle assessment of hydrogen production via catalytic gasification of wheat straw in the presence of straw derived biochar catalyst. <i>Bioresource Technology</i> , 2021 , 341, 125796	11	6
34	Development of novel blend poly (Ethylene Glycol) / Poly(Ethersulfone) polymeric membrane using N-Methyl-2-Pyrrolidone and dimethylformamide solvents for facilitating CO ₂ /N ₂ gas separation. <i>Materials Today: Proceedings</i> , 2021 , 46, 1963-1970	1.4	1
33	Extraction of reinforced epoxy nanocomposite using agricultural waste biomass. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 943, 012021	0.4	3
32	Fractionation and extraction of bio-oil for production of greener fuel and value-added chemicals: Recent advances and future prospects. <i>Chemical Engineering Journal</i> , 2020 , 397, 125406	14.7	35
31	Artificial neural network approach for co-pyrolysis of <i>Chlorella vulgaris</i> and peanut shell binary mixtures using microalgae ash catalyst. <i>Energy</i> , 2020 , 207, 118289	7.9	30
30	Supercritical fluid extraction and solubilization of <i>Carica papaya</i> linn. leaves in ternary system with CO ₂ + ethanol solvents. <i>Chemical Engineering Research and Design</i> , 2020 , 156, 31-42	5.5	7
29	Influence of Polymer Blending of Cellulose Acetate Butyrate for CO ₂ /N ₂ Separation. <i>Journal of Physical Science</i> , 2020 , 31, 69-84	2	3
28	Review on Conversion of Lignin Waste into Value-Added Resources in Tropical Countries. <i>Waste and Biomass Valorization</i> , 2020 , 12, 5285	3.2	8
27	Uncertainty estimation approach in catalytic fast pyrolysis of rice husk: Thermal degradation, kinetic and thermodynamic parameters study. <i>Bioresource Technology</i> , 2019 , 294, 122089	11	24
26	Catalytic pyrolysis of <i>Chlorella vulgaris</i> : Kinetic and thermodynamic analysis. <i>Bioresource Technology</i> , 2019 , 289, 121689	11	33
25	Catalytic thermal degradation of <i>Chlorella vulgaris</i> : Evolving deep neural networks for optimization. <i>Bioresource Technology</i> , 2019 , 292, 121971	11	18
24	Comparative studies on the pyrolysis of cellulose, hemicellulose, and lignin based on combined kinetics. <i>Journal of the Energy Institute</i> , 2019 , 92, 27-37	5.7	99
23	Modeling of the co-pyrolysis of rubber residual and HDPE waste using the distributed activation energy model (DAEM). <i>Applied Thermal Engineering</i> , 2018 , 138, 336-345	5.8	24
22	Thermogravimetric kinetic modelling of in-situ catalytic pyrolytic conversion of rice husk to bioenergy using rice hull ash catalyst. <i>Bioresource Technology</i> , 2018 , 261, 213-222	11	73
21	The effect of industrial waste coal bottom ash as catalyst in catalytic pyrolysis of rice husk for syngas production. <i>Energy Conversion and Management</i> , 2018 , 165, 541-554	10.6	69
20	Comparative techno-economic assessment and environmental impacts of rice husk-to-fuel conversion technologies. <i>Energy</i> , 2018 , 151, 581-593	7.9	36
19	Kinetics and thermodynamic analysis in one-pot pyrolysis of rice hull using renewable calcium oxide based catalysts. <i>Bioresource Technology</i> , 2018 , 265, 180-190	11	36
18	A kinetic study of CO ₂ sorption improvement in the CA-CNTs mixed matrix membrane. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 458, 012066	0.4	

17	The Study of Rice Husk as Co-Digestion Together with Cow Dung is Biogas Production of Anaerobic Digester. <i>E3S Web of Conferences</i> , 2018 , 73, 01013	0.5	2
16	An In-Situ Thermogravimetric Study of Pyrolysis of Rice Hull with Alkali Catalyst of CaCO ₃ . <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 458, 012085	0.4	6
15	Comparative study of in-situ catalytic pyrolysis of rice husk for syngas production: Kinetics modelling and product gas analysis. <i>Journal of Cleaner Production</i> , 2018 , 197, 1231-1243	10.3	49
14	Comparison on tribological properties of vegetable oil upon addition of carbon based nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012043	0.4	9
13	Comparison of rheological properties of graphene / carbon nanotube hydrogenated oil based biodegradable drilling fluid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 206, 012042	0.4	5
12	Experimental investigation on tar produced from palm shells derived syngas using zeolite HZSM-5 catalyst. <i>Journal of the Energy Institute</i> , 2016 , 89, 713-724	5.7	15
11	Kinetic Study on Pyrolysis of Oil Palm Frond. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 121, 012004	0.4	2
10	Kinetic Analysis of Rice Husk Pyrolysis Using Kissinger-Akahira-Sunose (KAS) Method. <i>Procedia Engineering</i> , 2016 , 148, 1247-1251		67
9	Optimization Study of Catalytic Co-gasification of Rubber Seed Shell and High Density Polyethylene Waste for Hydrogen Production Using Response Surface Methodology 2015 , 209-223		1
8	Kinetic studies of co-pyrolysis of rubber seed shell with high density polyethylene. <i>Energy Conversion and Management</i> , 2014 , 87, 746-753	10.6	66
7	Hydrogen production from palm kernel shell via integrated catalytic adsorption (ICA) steam gasification. <i>Energy Conversion and Management</i> , 2014 , 87, 1224-1230	10.6	61
6	Syngas production from palm kernel shell and polyethylene waste blend in fluidized bed catalytic steam co-gasification process. <i>Energy</i> , 2014 , 75, 40-44	7.9	85
5	Kinetic Analysis on Catalytic Co-Gasification of Rubber Seed Shell and High Density Polyethylene Mixtures. <i>Applied Mechanics and Materials</i> , 2014 , 625, 251-254	0.3	
4	Performance Study of Ni Catalyst with Quicklime (CaO) as CO ₂ Adsorbent in Palm Kernel Shell Steam Gasification for Hydrogen Production. <i>Advanced Materials Research</i> , 2014 , 917, 292-300	0.5	13
3	Comparison Studies of Criado and Coats-Redfern Methods for Co-Gasification of Rubber Seed Shell with High Density Polyethylene Mixtures. <i>Applied Mechanics and Materials</i> , 2014 , 472, 621-625	0.3	3
2	Comparative studies on catalytic and non-catalytic co-gasification of rubber seed shell and high density polyethylene mixtures. <i>Journal of Cleaner Production</i> , 2014 , 70, 303-314	10.3	41
1	A review on potential of biohydrogen generation through waste decomposition technologies. <i>Biomass Conversion and Biorefinery</i> , 2014 , 1	2.3	9