

Rozita Omar

List of Publications by Year in descending order

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45
papers

1,619
citations

394286

19
h-index

302012

39
g-index

45
all docs

45
docs citations

45
times ranked

2251
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of empty fruit bunch for microwave-assisted pyrolysis. <i>Fuel</i> , 2011, 90, 1536-1544.	3.4	273
2	Anaerobic digestion technology in livestock manure treatment for biogas production: A review. <i>Engineering in Life Sciences</i> , 2012, 12, 258-269.	2.0	238
3	A review of biolubricants in drilling fluids: Recent research, performance, and applications. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 177-184.	2.1	134
4	Production of biogas from solid organic wastes through anaerobic digestion: a review. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 321-329.	1.7	116
5	Recovery of diesel-like fuel from waste palm oil by pyrolysis using a microwave heated bed of activated carbon. <i>Energy</i> , 2016, 115, 791-799.	4.5	111
6	Biomass as the Renewable Energy Sources in Malaysia: An Overview. <i>International Journal of Green Energy</i> , 2006, 3, 323-346.	2.1	66
7	Microwave-Assisted Pyrolysis of Biomass Waste: A Mini Review. <i>Processes</i> , 2020, 8, 1190.	1.3	66
8	Conventional and microwave-assisted pyrolysis of rapeseed oil for bio-fuel production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 105, 131-142.	2.6	65
9	Subcritical Water Technology for Extraction of Phenolic Compounds from <i>Chlorella</i> sp. Microalgae and Assessment on Its Antioxidant Activity. <i>Molecules</i> , 2017, 22, 1105.	1.7	51
10	Synthesis of Palm Oil Based Trimethylolpropane Esters with Improved Pour Points. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8178-8183.	1.8	46
11	Mass harvesting of marine microalgae using different techniques. <i>Food and Bioproducts Processing</i> , 2018, 112, 169-184.	1.8	32
12	Microwave-Assisted Brine Extraction for Enhancement of the Quantity and Quality of Lipid Production from Microalgae <i>Nannochloropsis</i> sp.. <i>Molecules</i> , 2019, 24, 3581.	1.7	30
13	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. <i>BioResources</i> , 2016, 11, .	0.5	28
14	Dynamic membrane applications in anaerobic and aerobic digestion for industrial wastewater: A mini review. <i>Food and Bioproducts Processing</i> , 2018, 112, 150-168.	1.8	28
15	Development of a hybrid PSO-ANN model for estimating glucose and xylose yields for microwave-assisted pretreatment and the enzymatic hydrolysis of lignocellulosic biomass. <i>Neural Computing and Applications</i> , 2018, 30, 1111-1121.	3.2	27
16	Effective use of tannin based natural biopolymer, AFlok-BP1 to harvest marine microalgae <i>Nannochloropsis</i> .. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4318-4328.	3.3	23
17	Microwave-Assisted Pretreatment of Sago Palm Bark. <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 26-42.	0.9	22
18	Effects of additives on oxidation characteristics of palm oil-based trimethylolpropane ester in hydraulics applications. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 368-375.	1.0	21

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19	Kinetics and modelling of cell growth and substrate uptake in <i>Centella asiatica</i> cell culture. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 223-229.	1.4	20
20	Nonionic polyol esters as thinner and lubricity enhancer for synthetic-based drilling fluids. <i>Journal of Molecular Liquids</i> , 2018, 266, 846-855.	2.3	20
21	Kinetics Study of Microwave-Assisted Brine Extraction of Lipid from the Microalgae <i>Nannochloropsis</i> sp.. <i>Molecules</i> , 2020, 25, 784.	1.7	20
22	COSMO-RS Based Prediction for Alpha-Linolenic Acid (ALA) Extraction from Microalgae Biomass Using Room Temperature Ionic Liquids (RTILs). <i>Marine Drugs</i> , 2020, 18, 108.	2.2	17
23	Ionic liquid-based microwave-assisted extraction of lipid and eicosapentaenoic acid from <i>Nannochloropsis oceanica</i> biomass: experimental optimization approach. <i>Journal of Applied Phycology</i> , 2021, 33, 2015-2029.	1.5	17
24	Adsorption of non-ionic surfactants on organoclays in drilling fluid investigated by molecular descriptors and Monte Carlo random walk simulations. <i>Applied Surface Science</i> , 2021, 538, 148154.	3.1	15
25	An acceleration of microwave-assisted transesterification of palm oil-based methyl ester into trimethylolpropane ester. <i>Scientific Reports</i> , 2020, 10, 19652.	1.6	14
26	Optimization and elucidation of interactions between ammonium, nitrate and phosphate in <i>Centella asiatica</i> cell culture using response surface methodology. <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 192-197.	1.4	12
27	Comparison of sodium hydroxide and sodium bicarbonate pretreatment methods for characteristic and enzymatic hydrolysis of sago palm bark. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-11.	1.2	12
28	Rheological investigation of synthetic-based drilling fluid containing non-ionic surfactant pentaerythritol ester using full factorial design. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126700.	2.3	12
29	Kinetics and thermodynamics of synthesis of palm oil-based trimethylolpropane triester using microwave irradiation. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 552-566.	2.4	11
30	Effect of sub-critical water hydrolysis on sugar recovery from bakery leftovers. <i>Food and Bioproducts Processing</i> , 2019, 117, 105-112.	1.8	9
31	Effect of pore size of monofilament woven filter cloth as supporting material for dynamic membrane filtration on performance using aerobic membrane bioreactor technology. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2453.	0.8	8
32	Ionic liquid-based microwave-assisted extraction of protein from <i>Nannochloropsis</i> sp. biomass. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8327-8338.	2.9	8
33	Lubricity performance of non-ionic surfactants in high-solid drilling fluids: A perspective from quantum chemical calculations and filtration properties. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109162.	2.1	7
34	Sugar Recovery from Food Waste via Sub-critical Water Treatment. <i>Food Reviews International</i> , 2020, 36, 241-257.	4.3	6
35	Extraction of phenolic compounds from <i>Chlorella</i> sp. microalgae using pressurized hot water: kinetics study. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2081-2089.	2.9	6
36	Evaluation of the Interactive Effect Pretreatment Parameters via Three Types of Microwave-Assisted Pretreatment and Enzymatic Hydrolysis on Sugar Yield. <i>Processes</i> , 2020, 8, 787.	1.3	6

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37	Hydrolysis and characterization of sugar recovery from bakery waste under optimized subcritical water conditions. Journal of Food Science and Technology, 2020, 57, 3108-3118.	1.4	6
38	<scp>BowTie</scp> analysis of rooftop <scp>gridâ€connected</scp> photovoltaic systems. Process Safety Progress, 2022, 41, .	0.4	5
39	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
40	Nutrient availability in sago bark and empty fruit bunch composts for the growth of water spinach and green mustard. Environmental Science and Pollution Research, 2019, 26, 22246-22253.	2.7	3
41	Performance Evaluation of Polyol Esters from Palm Oil as a Lubricant for Bentonite Suspension Drilling Fluid. Tribology Online, 2017, 12, 247-250.	0.2	2
42	Subcritical water hydrolysis for sugar recovery from bakery leftovers: kinetic and thermodynamic analysis. Biomass Conversion and Biorefinery, 0, , 1.	2.9	1
43	Investigation of Activated Carbon Coating in the Adsorption Process of Methylene Blue from Aqueous Solution. Advanced Science, Engineering and Medicine, 2019, 11, 879-887.	0.3	1
44	Integrating Facilitative Teaching in Design Based Course. , 2017, , .		0
45	Emergency preparedness and response in palm oil mill and investigation of the employees' emergency preparedness knowledge and attitude. Process Safety Progress, 0, , .	0.4	0