

# Rozita Omar

## List of Publications by Year in descending order

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45  
papers

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citations

394286

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45  
docs citations

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times ranked

2251  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	<scp>BowTie</scp> analysis of rooftop <scp>gridâ€connected</scp> photovoltaic systems. <i>Process Safety Progress</i> , 2022, 41, .	0.4	5
4	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
5	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
6	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
7	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
8	Sugar Recovery from Food Waste via Sub-critical Water Treatment. <i>Food Reviews International</i> , 2020, 36, 241-257.	4.3	6
9	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
10	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
11	Microwave-Assisted Pyrolysis of Biomass Waste: A Mini Review. <i>Processes</i> , 2020, 8, 1190.	1.3	66
12	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
13	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
14	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
15	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
16	Hydrolysis and characterization of sugar recovery from bakery waste under optimized subcritical water conditions. <i>Journal of Food Science and Technology</i> , 2020, 57, 3108-3118.	1.4	6
17	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
18	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

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19	Nutrient availability in sago bark and empty fruit bunch composts for the growth of water spinach and green mustard. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22246-22253.	2.7	3
20	Investigation of Activated Carbon Coating in the Adsorption Process of Methylene Blue from Aqueous Solution. <i>Advanced Science, Engineering and Medicine</i> , 2019, 11, 879-887.	0.3	1
21	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
22	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
23	Mass harvesting of marine microalgae using different techniques. <i>Food and Bioproducts Processing</i> , 2018, 112, 169-184.	1.8	32
24	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
25	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
26	Microwave-Assisted Pretreatment of Sago Palm Bark. <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 26-42.	0.9	22
27	Performance Evaluation of Polyol Esters from Palm Oil as a Lubricant for Bentonite Suspension Drilling Fluid. <i>Tribology Online</i> , 2017, 12, 247-250.	0.2	2
28	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
29	Integrating Facilitative Teaching in Design Based Course. , 2017, , .		0
30	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. <i>BioResources</i> , 2016, 11, .	0.5	28
31	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
32	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
33	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
34	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
35	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
36	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

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37	Characterization of empty fruit bunch for microwave-assisted pyrolysis. <i>Fuel</i> , 2011, 90, 1536-1544.	3.4	273
38	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
39	Biomass as the Renewable Energy Sources in Malaysia: An Overview. <i>International Journal of Green Energy</i> , 2006, 3, 323-346.	2.1	66
40	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
41	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
42	Synthesis of Palm Oil Based Trimethylolpropane Esters with Improved Pour Points. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 8178-8183.	1.8	46
43	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
44	Subcritical water hydrolysis for sugar recovery from bakery leftovers: kinetic and thermodynamic analysis. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	1
45	Emergency preparedness and response in palm oil mill and investigation of the employees' emergency preparedness knowledge and attitude. <i>Process Safety Progress</i> , 0, , .	0.4	0