

# Dayang Radiah Awang Biak

## 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.

70  
papers

3,121  
citations

22  
h-index

55  
g-index

76  
ext. papers

3,626  
ext. citations

4.2  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
70	Kinetic and thermodynamic studies of eicosapentaenoic acid extraction from <i>Nannochloropsis oceanica</i> using tetramethyl ammonium chloride and microwave irradiation.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0267626	3.7	26
69	Chemical and Thermo-Mechanical Properties of Waterborne Polyurethane Dispersion Derived from <i>Jatropha</i> Oil. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
68	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> , <b>2021</b> , 33, 2015-2029	3.2	6
67	Structural and Rheological Properties of Nonedible Vegetable Oil-Based Resin. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
66	Optimization and modeling of the performance of polydimethylsiloxane for pervaporation of ethanol/water mixture. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50408	2.9	1
65	Optimisation of Epoxide Ring-Opening Reaction for the Synthesis of Bio-Polyol from Palm Oil Derivative Using Response Surface Methodology. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
64	Field efficacy of palm oil-based nanoemulsion insecticides against <i>Aedes aegypti</i> in Malaysia. <i>Acta Tropica</i> , <b>2021</b> , 224, 106107	3.2	1
63	Kinetics Study of Microwave-Assisted Brine Extraction of Lipid from the Microalgae sp. <i>Molecules</i> , <b>2020</b> , 25,	4.8	14
62	Rheological Study of Phenol Formaldehyde Resole Resin Synthesized for Laminate Application. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
61	COSMO-RS Based Prediction for Alpha-Linolenic Acid (ALA) Extraction from Microalgae Biomass Using Room Temperature Ionic Liquids (RTILs). <i>Marine Drugs</i> , <b>2020</b> , 18,	6	10
60	Comparative Study of Aromatic and Cycloaliphatic Isocyanate Effects on Physico-Chemical Properties of Bio-Based Polyurethane Acrylate Coatings. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
59	Evaluation of the Interactive Effect Pretreatment Parameters via Three Types of Microwave-Assisted Pretreatment and Enzymatic Hydrolysis on Sugar Yield. <i>Processes</i> , <b>2020</b> , 8, 787	2.9	4
58	Prediction of Potential Ionic Liquids (ILs) for the Solid-Liquid Extraction of Docosahexaenoic Acid (DHA) from Microalgae Using COSMO-RS Screening Model. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	8
57	Microwave-Assisted Pyrolysis of Biomass Waste: A Mini Review. <i>Processes</i> , <b>2020</b> , 8, 1190	2.9	25
56	Towards Higher Oil Yield and Quality of Essential Oil Extracted from Wood via the Subcritical Technique. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
55	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> , <b>2020</b> , 1-11	1.6	10
54	Experimental Evaluation of Napier Grass Gasification in an Autothermal Bubbling Fluidized Bed Reactor. <i>Energies</i> , <b>2019</b> , 12, 1517	3.1	8

53	Computational Fluid Dynamics Simulation of Gas-Solid Hydrodynamics in a Bubbling Fluidized-Bed Reactor: Effects of Air Distributor, Viscous and Drag Models. <i>Processes</i> , <b>2019</b> , 7, 524	2.9	5
52	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	11
51	Microwave-Assisted Brine Extraction for Enhancement of the Quantity and Quality of Lipid Production from Microalgae. <i>Molecules</i> , <b>2019</b> , 24,	4.8	19
50	Screening of Suitable Ionic Liquids as Green Solvents for Extraction of Eicosapentaenoic Acid (EPA) from Microalgae Biomass Using COSMO-RS Model. <i>Molecules</i> , <b>2019</b> , 24,	4.8	29
49	Influence of Date Syrup as a Carbon Source on Bacterial Cellulose Production by <i>Acetobacter xylinum</i> 0416. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 1085-1091	1.9	10
48	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> , <b>2018</b> , 30, 1111-1121	4.8	18
47	Colloidal stability and rheology of jatropha oil-based waterborne polyurethane (JPU) dispersion. <i>Progress in Organic Coatings</i> , <b>2018</b> , 125, 348-357	4.8	15
46	Microwave-assisted extraction of lipid from fish waste. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 206, 012096	0.4	14
45	Microwave-Assisted Pretreatment of Sago Palm Bark. <i>Journal of Wood Chemistry and Technology</i> , <b>2017</b> , 37, 26-42	2	19
44	Assessing the kinetic model of hydro-distillation and chemical composition of <i>Aquilaria malaccensis</i> leaves essential oil. <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 216-222	3.2	18
43	Physicochemical Properties of Jatropha Oil-Based Polyol Produced by a Two Steps Method. <i>Molecules</i> , <b>2017</b> , 22,	4.8	19
42	Preparation of Carbon Nanotubes via Chemical Technique (Modified Staudenmaier Method). <i>Nanoscience and Nanotechnology - Asia</i> , <b>2017</b> , 7, 113-122	0.7	7
41	Alternative for Rapid Detection and Screening of Pork, Chicken, and Beef Using Dielectric Properties in the Frequency of 0.5 to 50 GHz. <i>International Journal of Food Properties</i> , <b>2016</b> , 19, 1127-1138	3.8	13
40	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. <i>BioResources</i> , <b>2016</b> , 11,	1.3	20
39	Effect of addition of inulin and fenugreek on the survival of microencapsulated <i>Enterococcus durans</i> 39C in alginate-psyllium polymeric blends in simulated digestive system and yogurt. <i>Asian Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 10, 350-361	9	26
38	Probiotics or antibiotics: future challenges in medicine. <i>Journal of Medical Microbiology</i> , <b>2015</b> , 64, 137-146	5.2	28
37	Potentially probiotic acetic acid bacteria isolation and identification from traditional dairies microbiota. <i>International Journal of Food Science and Technology</i> , <b>2015</b> , 50, 1056-1064	3.8	16
36	Waterborne polyurethane dispersions synthesized from jatropha oil. <i>Industrial Crops and Products</i> , <b>2015</b> , 64, 194-200	5.9	103

35	Anticancer impacts of potentially probiotic acetic acid bacteria isolated from traditional dairy microbiota. <i>LWT - Food Science and Technology</i> , <b>2015</b> , 60, 690-697	5.4	34
34	Palm oil derived trimethylolpropane triesters synthetic lubricants and usage in industrial metalworking fluid. <i>Journal of Oleo Science</i> , <b>2015</b> , 64, 143-51	1.6	13
33	Bioactivity characterization of Lactobacillus strains isolated from dairy products. <i>MicrobiologyOpen</i> , <b>2015</b> , 4, 803-13	3.4	27
32	Microencapsulation of probiotic bacteria Lactobacillus plantarum 15HN using alginate-psyllium-fenugreek polymeric blends. <i>Journal of Applied Microbiology</i> , <b>2015</b> , 118, 1048-57	4.7	47
31	Stirring time effect of silver nanoparticles prepared in glutathione mediated by green method. <i>Chemistry Central Journal</i> , <b>2014</b> , 8, 11		65
30	Anti-proliferative effects of Enterococcus strains isolated from fermented dairy products on different cancer cell lines. <i>Journal of Functional Foods</i> , <b>2014</b> , 11, 363-374	5.1	21
29	Assessment of probiotic potential and anticancer activity of newly isolated vaginal bacterium Lactobacillus plantarum 5BL. <i>Microbiology and Immunology</i> , <b>2014</b> , 58, 492-502	2.7	60
28	A newly isolated probiotic Enterococcus faecalis strain from vagina microbiota enhances apoptosis of human cancer cells. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 117, 498-508	4.7	37
27	Probiotic assessment of Enterococcus durans 6HL and Lactococcus lactis 2HL isolated from vaginal microflora. <i>Journal of Medical Microbiology</i> , <b>2014</b> , 63, 1044-1051	3.2	22
26	Different effects of two newly-isolated probiotic Lactobacillus plantarum 15HN and Lactococcus lactis subsp. Lactis 44Lac strains from traditional dairy products on cancer cell lines. <i>Anaerobe</i> , <b>2014</b> , 30, 51-9	2.8	40
25	Probiotic potential and biotherapeutic effects of newly isolated vaginal Lactobacillus acidophilus 36YL strain on cancer cells. <i>Anaerobe</i> , <b>2014</b> , 28, 29-36	2.8	57
24	DIELECTRIC CHARACTERIZATION OF LIQUID CONTAINING LOW ALCOHOLIC CONTENT FOR POTENTIAL HALAL AUTHENTICATION IN THE 0.5-50 GHz RANGE. <i>American Journal of Applied Sciences</i> , <b>2014</b> , 11, 1104-1112	0.8	11
23	Assessment on Rheological and Texture Properties of Xylitol-Substituted Dadih. <i>Journal of Food Process Engineering</i> , <b>2014</b> , 37, 451-460	2.4	1
22	Sustainable Development in Chemical and Biological Engineering Education. <i>Procedia, Social and Behavioral Sciences</i> , <b>2013</b> , 102, 490-498		2
21	An application of the theory of planned behaviour to study the influencing factors of participation in source separation of food waste. <i>Waste Management</i> , <b>2013</b> , 33, 1276-81	8.6	174
20	Solid-Liquid Extraction in Biorefinery <b>2013</b> , 351-374		3
19	Evaluation of membrane bioreactor for hypersaline oily wastewater treatment. <i>Chemical Engineering Research and Design</i> , <b>2012</b> , 90, 45-55	5.5	96
18	The effect of acetylation on the crystallinity of BC/CNTs nanocomposite. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 431-435	3.5	7

17	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2012</b> , 20, 109-118	1.8	5
16	Activity of Calcium Methoxide Catalyst for Synthesis of High Oleic Palm Oil Based Trimethylolpropane Triesters as Lubricant Base Stock. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 5438-5442	3.9	35
15	Oil Palm as Bioenergy Feedstock <b>2012</b> , 653-692		4
14	Fluidized Bed Chemical Vapor Deposition Synthesis of Carbon Nanotubes Using Different Fe <sub>3</sub> O <sub>4</sub> /Alumina Catalytic Powders. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2012</b> , 20, 266-282	1.8	
13	Application of Bacterial Cellulose (BC) in Natural Facial Scrub. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2012</b> , 2, 272	1.6	22
12	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 140-150	14.7	80
11	Influence of catalytic particle size on the performance of fluidized-bed chemical vapor deposition synthesis of carbon nanotubes. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 214-223	5.5	19
10	Effect of physical pretreatment on dilute acid hydrolysis of water hyacinth ( <i>Eichhornia crassipes</i> ). <i>Bioresource Technology</i> , <b>2011</b> , 102, 5193-9	11	67
9	Modulation of protease activity to enhance the recovery of recombinant nucleocapsid protein of Nipah virus. <i>Process Biochemistry</i> , <b>2010</b> , 45, 133-137	4.8	5
8	Direct recovery of recombinant nucleocapsid protein of Nipah virus from unclarified <i>Escherichia coli</i> homogenate using hydrophobic interaction expanded bed adsorption chromatography. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 1293-7	4.5	9
7	Application of membrane-coupled sequencing batch reactor for oilfield produced water recycle and beneficial re-use. <i>Bioresource Technology</i> , <b>2010</b> , 101, 6942-9	11	93
6	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubes: A review. <i>Chemical Engineering Journal</i> , <b>2009</b> , 155, 37-48	14.7	143
5	Review of technologies for oil and gas produced water treatment. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 530-51	12.8	1372
4	Purification of histidine-tagged nucleocapsid protein of Nipah virus using immobilized metal affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2009</b> , 877, 1561-7	3.2	18
3	Rice bran lipase catalyzed esterification of palm oil fatty acid distillate and glycerol in organic solvent. <i>Biotechnology and Bioprocess Engineering</i> , <b>2007</b> , 12, 250-256	3.1	14
2	Production of hepatitis B core antigen in a stirred tank bioreactor: The influence of temperature and agitation. <i>Biotechnology and Bioprocess Engineering</i> , <b>2006</b> , 11, 164-167	3.1	3
1	Ionic liquid method for the extraction of lipid from microalgae biomass: a review. <i>Biomass Conversion and Biorefinery</i> , <b>2011</b> , 1, 1-10	2.3	0