

# Dayang Radiah Awang Biak

List of Publications by Year  
in descending order

Source: <https://exaly.com/author-pdf/3846341/publications.pdf>

Version: 2024-02-01

72  
papers

4,149  
citations

218677

26  
h-index

114465

63  
g-index

76  
all docs

76  
docs citations

76  
times ranked

5138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquid method for the extraction of lipid from microalgae biomass: a review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11417-11439.	4.6	2
2	Kinetic and thermodynamic studies of eicosapentaenoic acid extraction from <i>Nannochloropsis oceanica</i> using tetramethyl ammonium chloride and microwave irradiation. <i>PLoS ONE</i> , 2022, 17, e0267626.	2.5	2
3	Optimization and modeling of the performance of polydimethylsiloxane for pervaporation of ethanol–water mixture. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50408.	2.6	4
4	Optimisation of Epoxide Ring-Opening Reaction for the Synthesis of Bio-Polyol from Palm Oil Derivative Using Response Surface Methodology. <i>Molecules</i> , 2021, 26, 648.	3.8	25
5	Chemical and Thermo-Mechanical Properties of Waterborne Polyurethane Dispersion Derived from <i>Jatropha</i> Oil. <i>Polymers</i> , 2021, 13, 795.	4.5	20
6	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.	2.8	17
7	Structural and Rheological Properties of Nonedible Vegetable Oil-Based Resin. <i>Polymers</i> , 2021, 13, 2490.	4.5	4
8	Field efficacy of palm oil-based nanoemulsion insecticides against <i>Aedes aegypti</i> in Malaysia. <i>Acta Tropica</i> , 2021, 224, 106107.	2.0	2
9	Comparative Study of Aromatic and Cycloaliphatic Isocyanate Effects on Physico-Chemical Properties of Bio-Based Polyurethane Acrylate Coatings. <i>Polymers</i> , 2020, 12, 1494.	4.5	21
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.	2.8	6
11	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> , 2020, 10, 1149.	4.0	13
12	Microwave-Assisted Pyrolysis of Biomass Waste: A Mini Review. <i>Processes</i> , 2020, 8, 1190.	2.8	66
13	Towards Higher Oil Yield and Quality of Essential Oil Extracted from <i>Aquilaria malaccensis</i> Wood via the Subcritical Technique. <i>Molecules</i> , 2020, 25, 3872.	3.8	16
14	Kinetics Study of Microwave-Assisted Brine Extraction of Lipid from the Microalgae <i>Nannochloropsis</i> sp.. <i>Molecules</i> , 2020, 25, 784.	3.8	20
15	Rheological Study of Phenol Formaldehyde Resole Resin Synthesized for Laminate Application. <i>Materials</i> , 2020, 13, 2578.	2.9	4
16	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.	4.6	17
17	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> , 2019, 7, 524.	2.8	12
18	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. <i>Biomolecules</i> , 2019, 9, 308.	4.0	19

#	ARTICLE	IF	CITATIONS
19	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.	3.8	30
20	Experimental Evaluation of Napier Grass Gasification in an Autothermal Bubbling Fluidized Bed Reactor. <i>Energies</i> , 2019, 12, 1517.	3.1	11
21	Screening of Suitable Ionic Liquids as Green Solvents for Extraction of Eicosapentaenoic Acid (EPA) from Microalgae Biomass Using COSMO-RS Model. <i>Molecules</i> , 2019, 24, 713.	3.8	47
22	Influence of Date Syrup as a Carbon Source on Bacterial Cellulose Production by <i>Acetobacter xylinum</i> 0416. <i>Advances in Polymer Technology</i> , 2018, 37, 1085-1091.	1.7	15
23	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.	5.6	27
24	Colloidal stability and rheology of jatropha oil-based waterborne polyurethane (JPU) dispersion. <i>Progress in Organic Coatings</i> , 2018, 125, 348-357.	3.9	26
25	Microwave-assisted extraction of lipid from fish waste. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 206, 012096.	0.6	20
26	Microwave-Assisted Pretreatment of Sago Palm Bark. <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 26-42.	1.7	22
27	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> , 2017, 25, 216-222.	3.5	32
28	Physicochemical Properties of Jatropha Oil-Based Polyol Produced by a Two Steps Method. <i>Molecules</i> , 2017, 22, 551.	3.8	35
29	Integrating Facilitative Teaching in Design Based Course. , 2017, , .		0
30	Preparation of Carbon Nanotubes via Chemical Technique (Modified Staudenmaier Method). <i>Nanoscience and Nanotechnology - Asia</i> , 2017, 7, 113-122.	0.7	11
31	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. <i>BioResources</i> , 2016, 11, .	1.0	28
32	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> , 2016, 19, 1127-1138.	3.0	19
33	Palm Oil Derived Trimethylolpropane Triesters Synthetic Lubricants and Usage in Industrial Metalworking Fluid. <i>Journal of Oleo Science</i> , 2015, 64, 143-151.	1.4	24
34	Bioactivity characterization of <i>Lactobacillus</i> strains isolated from dairy products. <i>MicrobiologyOpen</i> , 2015, 4, 803-813.	3.0	41
35	Microencapsulation of probiotic bacteria <i>Lactobacillus plantarum</i> 15HN using alginate-psyllium-fenugreek polymeric blends. <i>Journal of Applied Microbiology</i> , 2015, 118, 1048-1057.	3.1	65
36	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> , 2015, 10, 350-361.	9.1	35

#	ARTICLE	IF	CITATIONS
37	Probiotics or antibiotics: future challenges in medicine. Journal of Medical Microbiology, 2015, 64, 137-146.	1.8	41
38	Potentially probiotic acetic acid bacteria isolation and identification from traditional dairies microbiota. International Journal of Food Science and Technology, 2015, 50, 1056-1064.	2.7	26
39	Waterborne polyurethane dispersions synthesized from jatropha oil. Industrial Crops and Products, 2015, 64, 194-200.	5.2	123
40	Anticancer impacts of potentially probiotic acetic acid bacteria isolated from traditional dairy microbiota. LWT - Food Science and Technology, 2015, 60, 690-697.	5.2	47
41	DIELECTRIC CHARACTERIZATION OF LIQUID CONTAINING LOW ALCOHOLIC CONTENT FOR POTENTIAL HALAL AUTHENTICATION IN THE 0.5-50 GHz RANGE. American Journal of Applied Sciences, 2014, 11, 1104-1112.	0.2	15
42	Assessment on Rheological and Texture Properties of Xylitol-Substituted Dadih. Journal of Food Process Engineering, 2014, 37, 451-460.	2.9	1
43	DAPI staining of Hela cancer cells without treating by L. plantarum 5BL supernatant. Microbiology and Immunology, 2014, 58, i.	1.4	0
44	Stirring time effect of silver nanoparticles prepared in glutathione mediated by green method. Chemistry Central Journal, 2014, 8, 11.	2.6	82
45	Anti-proliferative effects of Enterococcus strains isolated from fermented dairy products on different cancer cell lines. Journal of Functional Foods, 2014, 11, 363-374.	3.4	34
46	Assessment of probiotic potential and anticancer activity of newly isolated vaginal bacterium Lactobacillus plantarum 5BL. Microbiology and Immunology, 2014, 58, 492-502.	1.4	88
47	A newly isolated probiotic Enterococcus faecalis strain from vagina microbiota enhances apoptosis of human cancer cells. Journal of Applied Microbiology, 2014, 117, 498-508.	3.1	54
48	Probiotic assessment of Enterococcus durans 6HL and Lactococcus lactis 2HL isolated from vaginal microflora. Journal of Medical Microbiology, 2014, 63, 1044-1051.	1.8	32
49	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. Anaerobe, 2014, 30, 51-59.	2.1	49
50	Probiotic potential and biotherapeutic effects of newly isolated vaginal Lactobacillus acidophilus 36YL strain on cancer cells. Anaerobe, 2014, 28, 29-36.	2.1	68
51	Sustainable Development in Chemical and Biological Engineering Education. Procedia, Social and Behavioral Sciences, 2013, 102, 490-498.	0.5	5
52	An application of the theory of planned behaviour to study the influencing factors of participation in source separation of food waste. Waste Management, 2013, 33, 1276-1281.	7.4	239
53	Fluidized Bed Chemical Vapor Deposition Synthesis of Carbon Nanotubes Using Different Fe-Co/Alumina Catalytic Powders. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 266-282.	2.1	0
54	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 109-118.	2.1	5

#	ARTICLE	IF	CITATIONS
55	Activity of Calcium Methoxide Catalyst for Synthesis of High Oleic Palm Oil Based Trimethylolpropane Triesters as Lubricant Base Stock. Industrial & Engineering Chemistry Research, 2012, 51, 5438-5442.	3.7	40
56	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
57	Evaluation of membrane bioreactor for hypersaline oily wastewater treatment. Chemical Engineering Research and Design, 2012, 90, 45-55.	5.6	114
58	The effect of acetylation on the crystallinity of BC/CNTs nanocomposite. Journal of Chemical Technology and Biotechnology, 2012, 87, 431-435.	3.2	7
59	Application of Bacterial Cellulose (BC) in Natural Facial Scrub. International Journal on Advanced Science, Engineering and Information Technology, 2012, 2, 272.	0.4	33
60	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. Chemical Engineering Journal, 2011, 168, 140-150.	12.7	104
61	Influence of catalytic particle size on the performance of fluidized-bed chemical vapor deposition synthesis of carbon nanotubes. Chemical Engineering Research and Design, 2011, 89, 214-223.	5.6	21
62	Effect of physical pretreatment on dilute acid hydrolysis of water hyacinth (Eichhornia crassipes). Bioresource Technology, 2011, 102, 5193-5199.	9.6	80
63	Modulation of protease activity to enhance the recovery of recombinant nucleocapsid protein of Nipah virus. Process Biochemistry, 2010, 45, 133-137.	3.7	6
64	Direct recovery of recombinant nucleocapsid protein of Nipah virus from unclarified Escherichia coli homogenate using hydrophobic interaction expanded bed adsorption chromatography. Journal of Chromatography A, 2010, 1217, 1293-1297.	3.7	10
65	Application of membrane-coupled sequencing batch reactor for oilfield produced water recycle and beneficial re-use. Bioresource Technology, 2010, 101, 6942-6949.	9.6	109
66	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubes—A review. Chemical Engineering Journal, 2009, 155, 37-48.	12.7	161
67	Review of technologies for oil and gas produced water treatment. Journal of Hazardous Materials, 2009, 170, 530-551.	12.4	1,712
68	Purification of histidine-tagged nucleocapsid protein of Nipah virus using immobilized metal affinity chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1561-1567.	2.3	20
69	Rice bran lipase catalyzed esterification of palm oil fatty acid distillate and glycerol in organic solvent. Biotechnology and Bioprocess Engineering, 2007, 12, 250-256.	2.6	17
70	Production of hepatitis B core antigen in a stirred tank bioreactor: The influence of temperature and agitation. Biotechnology and Bioprocess Engineering, 2006, 11, 164-167.	2.6	3
71	Comparison of sodium hydroxide and sodium bicarbonate pretreatment methods for characteristic and enzymatic hydrolysis of sago palm bark. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-11.	2.3	12
72	A review on supervised machine learning for accident risk analysis: Challenges in Malaysia. Process Safety Progress, 0, , .	1.0	2