Dayang Radiah Awang Biak

List of Publications by Citations

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	Review of technologies for oil and gas produced water treatment. *Journal of Hazardous Materials*, **2009**, 170, 530-51	12.8	1372
69	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, 1276-81	8.6	174
68	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubes A review. *Chemical Engineering Journal*, **2009**, 155, 37-48	14.7	143
67	Waterborne polyurethane dispersions synthesized from jatropha oil. *Industrial Crops and Products*, **2015**, 64, 194-200	5.9	103
66	Evaluation of membrane bioreactor for hypersaline oily wastewater treatment. *Chemical Engineering Research and Design*, **2012**, 90, 45-55	5.5	96
65	Application of membrane-coupled sequencing batch reactor for oilfield produced water recycle and beneficial re-use. *Bioresource Technology*, **2010**, 101, 6942-9	11	93
64	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. *Chemical Engineering Journal*, **2011**, 168, 140-150	14.7	80
63	Effect of physical pretreatment on dilute acid hydrolysis of water hyacinth (Eichhornia crassipes). *Bioresource Technology*, **2011**, 102, 5193-9	11	67
62	Stirring time effect of silver nanoparticles prepared in glutathione mediated by green method. *Chemistry Central Journal*, **2014**, 8, 11		65
61	Assessment of probiotic potential and anticancer activity of newly isolated vaginal bacterium Lactobacillus plantarum 5BL. *Microbiology and Immunology*, **2014**, 58, 492-502	2.7	60
60	Probiotic potential and biotherapeutic effects of newly isolated vaginal Lactobacillus acidophilus 36YL strain on cancer cells. *Anaerobe*, **2014**, 28, 29-36	2.8	57
59	Microencapsulation of probiotic bacteria Lactobacillus plantarum 15HN using alginate-psyllium-fenugreek polymeric blends. *Journal of Applied Microbiology*, **2015**, 118, 1048-57	4.7	47
58	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, 51-9	2.8	40
57	A newly isolated probiotic Enterococcus faecalis strain from vagina microbiota enhances apoptosis of human cancer cells. *Journal of Applied Microbiology*, **2014**, 117, 498-508	4.7	37
56	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	3.9	35
55	Anticancer impacts of potentially probiotic acetic acid bacteria isolated from traditional dairy microbiota. *LWT - Food Science and Technology*, **2015**, 60, 690-697	5.4	34
54	Screening of Suitable Ionic Liquids as Green Solvents for Extraction of Eicosapentaenoic Acid (EPA) from Microalgae Biomass Using COSMO-RS Model. *Molecules*, **2019**, 24,	4.8	29

53	Probiotics or antibiotics: future challenges in medicine. *Journal of Medical Microbiology*, **2015**, 64, 137-146	3.2	28
52	Bioactivity characterization of Lactobacillus strains isolated from dairy products. *MicrobiologyOpen*, **2015**, 4, 803-13	3.4	27
51	Effect of addition of inulin and fenugreek on the survival of microencapsulated Enterococcus durans 39C in alginate-psyllium polymeric blends in simulated digestive system and yogurt. *Asian Journal of Pharmaceutical Sciences*, **2015**, 10, 350-361	9	26
50	Microwave-Assisted Pyrolysis of Biomass Waste: A Mini Review. *Processes*, **2020**, 8, 1190	2.9	25
49	Probiotic assessment of Enterococcus durans 6HL and Lactococcus lactis 2HL isolated from vaginal microflora. *Journal of Medical Microbiology*, **2014**, 63, 1044-1051	3.2	22
48	Application of Bacterial Cellulose (BC) in Natural Facial Scrub. *International Journal on Advanced Science, Engineering and Information Technology*, **2012**, 2, 272	1.6	22
47	Anti-proliferative effects of Enterococcus strains isolated from fermented dairy products on different cancer cell lines. *Journal of Functional Foods*, **2014**, 11, 363-374	5.1	21
46	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. *BioResources*, **2016**, 11,	1.3	20
45	Microwave-Assisted Brine Extraction for Enhancement of the Quantity and Quality of Lipid Production from Microalgae. *Molecules*, **2019**, 24,	4.8	19
44	Microwave-Assisted Pretreatment of Sago Palm Bark. *Journal of Wood Chemistry and Technology*, **2017**, 37, 26-42	2	19
43	Physicochemical Properties of Jatropha Oil-Based Polyol Produced by a Two Steps Method. *Molecules*, **2017**, 22,	4.8	19
42	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	5.5	19
41	Development of a hybrid PSOGA ANN model for estimating glucose and xylose yields for microwave-assisted pretreatment and the enzymatic hydrolysis of lignocellulosic biomass. *Neural Computing and Applications*, **2018**, 30, 1111-1121	4.8	18
40	Assessing the kinetic model of hydro-distillation and chemical composition of Aquilaria malaccensis leaves essential oil. *Chinese Journal of Chemical Engineering*, **2017**, 25, 216-222	3.2	18
39	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, 1561-7	3.2	18
38	Potentially probiotic acetic acid bacteria isolation and identification from traditional dairies microbiota. *International Journal of Food Science and Technology*, **2015**, 50, 1056-1064	3.8	16
37	Colloidal stability and rheology of jatropha oil-based waterborne polyurethane (JPU) dispersion. *Progress in Organic Coatings*, **2018**, 125, 348-357	4.8	15
36	Kinetics Study of Microwave-Assisted Brine Extraction of Lipid from the Microalgae sp. *Molecules*, **2020**, 25,	4.8	14

35	Microwave-assisted extraction of lipid from fish waste. *IOP Conference Series: Materials Science and Engineering*, **2017**, 206, 012096	0.4	14
34	Rice bran lipase catalyzed esterification of palm oil fatty acid distillate and glycerol in organic solvent. *Biotechnology and Bioprocess Engineering*, **2007**, 12, 250-256	3.1	14
33	Alternative for Rapid Detection and Screening of Pork, Chicken, and Beef Using Dielectric Properties in the Frequency of 0.5 to 50 GHz. *International Journal of Food Properties*, **2016**, 19, 1127-1138	3	13
32	Palm oil derived trimethylolpropane triesters synthetic lubricants and usage in industrial metalworking fluid. *Journal of Oleo Science*, **2015**, 64, 143-51	1.6	13
31	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. *Biomolecules*, **2019**, 9,	5.9	11
30	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	0.8	11
29	COSMO-RS Based Prediction for Alpha-Linolenic Acid (ALA) Extraction from Microalgae Biomass Using Room Temperature Ionic Liquids (RTILs). *Marine Drugs*, **2020**, 18,	6	10
28	Influence of Date Syrup as a Carbon Source on Bacterial Cellulose Production by Acetobacter xylinum 0416. *Advances in Polymer Technology*, **2018**, 37, 1085-1091	1.9	10
27	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*, **2020**, 1-11	1.6	10
26	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, 1293-7	4.5	9
25	Experimental Evaluation of Napier Grass Gasification in an Autothermal Bubbling Fluidized Bed Reactor. *Energies*, **2019**, 12, 1517	3.1	8
24	Prediction of Potential Ionic Liquids (ILs) for the Solid-Liquid Extraction of Docosahexaenoic Acid (DHA) from Microalgae Using COSMO-RS Screening Model. *Biomolecules*, **2020**, 10,	5.9	8
23	The effect of acetylation on the crystallinity of BC/CNTs nanocomposite. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 431-435	3.5	7
22	Preparation of Carbon Nanotubes via Chemical Technique (Modified Staudenmaier Method). *Nanoscience and Nanotechnology - Asia*, **2017**, 7, 113-122	0.7	7
21	Ionic liquid-based microwave-assisted extraction of lipid and eicosapentaenoic acid from Nannochloropsis oceanica biomass: experimental optimization approach. *Journal of Applied Phycology*, **2021**, 33, 2015-2029	3.2	6
20	Computational Fluid Dynamics Simulation of Gas–Solid Hydrodynamics in a Bubbling Fluidized-Bed Reactor: Effects of Air Distributor, Viscous and Drag Models. *Processes*, **2019**, 7, 524	2.9	5
19	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 109-118	1.8	5
18	Modulation of protease activity to enhance the recovery of recombinant nucleocapsid protein of Nipah virus. *Process Biochemistry*, **2010**, 45, 133-137	4.8	5

17	Comparative Study of Aromatic and Cycloaliphatic Isocyanate Effects on Physico-Chemical Properties of Bio-Based Polyurethane Acrylate Coatings. *Polymers*, **2020**, 12,	4.5	5
16	Towards Higher Oil Yield and Quality of Essential Oil Extracted from Wood via the Subcritical Technique. *Molecules*, **2020**, 25,	4.8	5
15	Oil Palm as Bioenergy Feedstock **2012**, 653-692		4
14	Evaluation of the Interactive Effect Pretreatment Parameters via Three Types of Microwave-Assisted Pretreatment and Enzymatic Hydrolysis on Sugar Yield. *Processes*, **2020**, 8, 787	2.9	4
13	Optimisation of Epoxide Ring-Opening Reaction for the Synthesis of Bio-Polyol from Palm Oil Derivative Using Response Surface Methodology. *Molecules*, **2021**, 26,	4.8	4
12	Solid□iquid Extraction in Biorefinery **2013**, 351-374		3
11	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	3.1	3
10	Chemical and Thermo-Mechanical Properties of Waterborne Polyurethane Dispersion Derived from Jatropha Oil. *Polymers*, **2021**, 13,	4.5	3
9	Rheological Study of Phenol Formaldehyde Resole Resin Synthesized for Laminate Application. *Materials*, **2020**, 13,	3.5	2
8	Sustainable Development in Chemical and Biological Engineering Education. *Procedia, Social and Behavioral Sciences*, **2013**, 102, 490-498		2
7	Assessment on Rheological and Texture Properties of Xylitol-Substituted Dadih. *Journal of Food Process Engineering*, **2014**, 37, 451-460	2.4	1
6	Structural and Rheological Properties of Nonedible Vegetable Oil-Based Resin. *Polymers*, **2021**, 13,	4.5	1
5	Optimization and modeling of the performance of polydimethylsiloxane for pervaporation of ethanol□water mixture. *Journal of Applied Polymer Science*, **2021**, 138, 50408	2.9	1
4	Field efficacy of palm oil-based nanoemulsion insecticides against Aedes aegypti in Malaysia. *Acta Tropica*, **2021**, 224, 106107	3.2	1
3	Ionic liquid method for the extraction of lipid from microalgae biomass: a review. *Biomass Conversion and Biorefinery*,1	2.3	0
2	Fluidized Bed Chemical Vapor Deposition Synthesis of Carbon Nanotubes Using Different Fe□o/Alumina Catalytic Powders. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 266-282	1.8	
1	Kinetic and thermodynamic studies of eicosapentaenoic acid extraction from Nannochloropsis oceanica using tetramethyl ammonium chloride and microwave irradiation.. *PLoS ONE*, **2022**, 17, e0267626	3.7	