

Dayang Radiah Awang Biak

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,149
citations

218381

26
h-index

114278

63
g-index

76
all docs

76
docs citations

76
times ranked

5138
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of technologies for oil and gas produced water treatment. <i>Journal of Hazardous Materials</i> , 2009, 170, 530-551.	6.5	1,712
2	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> , 2013, 33, 1276-1281.	3.7	239
3	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubes—A review. <i>Chemical Engineering Journal</i> , 2009, 155, 37-48.	6.6	161
4	Waterborne polyurethane dispersions synthesized from jatropha oil. <i>Industrial Crops and Products</i> , 2015, 64, 194-200.	2.5	123
5	Evaluation of membrane bioreactor for hypersaline oily wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2012, 90, 45-55.	2.7	114
6	Application of membrane-coupled sequencing batch reactor for oilfield produced water recycle and beneficial re-use. <i>Bioresource Technology</i> , 2010, 101, 6942-6949.	4.8	109
7	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. <i>Chemical Engineering Journal</i> , 2011, 168, 140-150.	6.6	104
8	Assessment of probiotic potential and anticancer activity of newly isolated vaginal bacterium <i>Lactobacillus plantarum</i> 5BL. <i>Microbiology and Immunology</i> , 2014, 58, 492-502.	0.7	88
9	Stirring time effect of silver nanoparticles prepared in glutathione mediated by green method. <i>Chemistry Central Journal</i> , 2014, 8, 11.	2.6	82
10	Effect of physical pretreatment on dilute acid hydrolysis of water hyacinth (<i>Eichhornia crassipes</i>). <i>Bioresource Technology</i> , 2011, 102, 5193-5199.	4.8	80
11	Probiotic potential and biotherapeutic effects of newly isolated vaginal <i>Lactobacillus acidophilus</i> 36YL strain on cancer cells. <i>Anaerobe</i> , 2014, 28, 29-36.	1.0	68
12	Microwave-Assisted Pyrolysis of Biomass Waste: A Mini Review. <i>Processes</i> , 2020, 8, 1190.	1.3	66
13	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.	1.4	65
14	A newly isolated probiotic <i>Enterococcus faecalis</i> strain from vagina microbiota enhances apoptosis of human cancer cells. <i>Journal of Applied Microbiology</i> , 2014, 117, 498-508.	1.4	54
15	Different effects of two newly-isolated probiotic <i>Lactobacillus plantarum</i> 15HN and <i>Lactococcus lactis</i> subsp. <i>Lactis</i> 44Lac strains from traditional dairy products on cancer cell lines. <i>Anaerobe</i> , 2014, 30, 51-59.	1.0	49
16	Anticancer impacts of potentially probiotic acetic acid bacteria isolated from traditional dairy microbiota. <i>LWT - Food Science and Technology</i> , 2015, 60, 690-697.	2.5	47
17	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.	1.7	47
18	Bioactivity characterization of <i>Lactobacillus</i> strains isolated from dairy products. <i>MicrobiologyOpen</i> , 2015, 4, 803-813.	1.2	41

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19	Probiotics or antibiotics: future challenges in medicine. <i>Journal of Medical Microbiology</i> , 2015, 64, 137-146.	0.7	41
20	Activity of Calcium Methoxide Catalyst for Synthesis of High Oleic Palm Oil Based Trimethylolpropane Triesters as Lubricant Base Stock. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5438-5442.	1.8	40
21	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.	4.3	35
22	Physicochemical Properties of Jatropha Oil-Based Polyol Produced by a Two Steps Method. <i>Molecules</i> , 2017, 22, 551.	1.7	35
23	Anti-proliferative effects of <i>Enterococcus</i> strains isolated from fermented dairy products on different cancer cell lines. <i>Journal of Functional Foods</i> , 2014, 11, 363-374.	1.6	34
24	Application of Bacterial Cellulose (BC) in Natural Facial Scrub. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2012, 2, 272.	0.2	33
25	Probiotic assessment of <i>Enterococcus durans</i> 6HL and <i>Lactococcus lactis</i> 2HL isolated from vaginal microflora. <i>Journal of Medical Microbiology</i> , 2014, 63, 1044-1051.	0.7	32
26	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.	1.7	32
27	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
28	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. <i>BioResources</i> , 2016, 11, .	0.5	28
29	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
30	Potentially probiotic acetic acid bacteria isolation and identification from traditional dairies microbiota. <i>International Journal of Food Science and Technology</i> , 2015, 50, 1056-1064.	1.3	26
31	Colloidal stability and rheology of jatropha oil-based waterborne polyurethane (JPU) dispersion. <i>Progress in Organic Coatings</i> , 2018, 125, 348-357.	1.9	26
32	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.	1.7	25
33	Palm Oil Derived Trimethylolpropane Triesters Synthetic Lubricants and Usage in Industrial Metalworking Fluid. <i>Journal of Oleo Science</i> , 2015, 64, 143-151.	0.6	24
34	Microwave-Assisted Pretreatment of Sago Palm Bark. <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 26-42.	0.9	22
35	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> , 2011, 89, 214-223.	2.7	21
36	Comparative Study of Aromatic and Cycloaliphatic Isocyanate Effects on Physico-Chemical Properties of Bio-Based Polyurethane Acrylate Coatings. <i>Polymers</i> , 2020, 12, 1494.	2.0	21

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37	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> , 2009, 877, 1561-1567.	1.2	20
38	Microwave-assisted extraction of lipid from fish waste. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 206, 012096.	0.3	20
39	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
40	Chemical and Thermo-Mechanical Properties of Waterborne Polyurethane Dispersion Derived from <i>Jatropha</i> Oil. <i>Polymers</i> , 2021, 13, 795.	2.0	20
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> , 2016, 19, 1127-1138.	1.3	19
42	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. <i>Biomolecules</i> , 2019, 9, 308.	1.8	19
43	Rice bran lipase catalyzed esterification of palm oil fatty acid distillate and glycerol in organic solvent. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 250-256.	1.4	17
44	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
45	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
46	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.	1.7	16
47	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> , 2014, 11, 1104-1112.	0.1	15
48	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.	0.8	15
49	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.	1.8	13
50	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.	1.3	12
51	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
52	Experimental Evaluation of Napier Grass Gasification in an Autothermal Bubbling Fluidized Bed Reactor. <i>Energies</i> , 2019, 12, 1517.	1.6	11
53	Preparation of Carbon Nanotubes via Chemical Technique (Modified Staudenmaier Method). <i>Nanoscience and Nanotechnology - Asia</i> , 2017, 7, 113-122.	0.3	11
54	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> , 2010, 1217, 1293-1297.	1.8	10

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55	The effect of acetylation on the crystallinity of BC/CNTs nanocomposite. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 431-435.	1.6	7
56	Modulation of protease activity to enhance the recovery of recombinant nucleocapsid protein of Nipah virus. <i>Process Biochemistry</i> , 2010, 45, 133-137.	1.8	6
57	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
58	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 109-118.	1.0	5
59	Sustainable Development in Chemical and Biological Engineering Education. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 102, 490-498.	0.5	5
60	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
61	Rheological Study of Phenol Formaldehyde Resole Resin Synthesized for Laminate Application. <i>Materials</i> , 2020, 13, 2578.	1.3	4
62	Optimization and modeling of the performance of polydimethylsiloxane for pervaporation of ethanol-water mixture. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50408.	1.3	4
63	Structural and Rheological Properties of Nonedible Vegetable Oil-Based Resin. <i>Polymers</i> , 2021, 13, 2490.	2.0	4
64	Production of hepatitis B core antigen in a stirred tank bioreactor: The influence of temperature and agitation. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 164-167.	1.4	3
65	Ionic liquid method for the extraction of lipid from microalgae biomass: a review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11417-11439.	2.9	2
66	Field efficacy of palm oil-based nanoemulsion insecticides against <i>Aedes aegypti</i> in Malaysia. <i>Acta Tropica</i> , 2021, 224, 106107.	0.9	2
67	A review on supervised machine learning for accident risk analysis: Challenges in Malaysia. <i>Process Safety Progress</i> , 0, , .	0.4	2
68	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.	1.1	2
69	Assessment on Rheological and Texture Properties of Xylitol-Substituted Dadih. <i>Journal of Food Process Engineering</i> , 2014, 37, 451-460.	1.5	1
70	Fluidized Bed Chemical Vapor Deposition Synthesis of Carbon Nanotubes Using Different Fe-Co/Alumina Catalytic Powders. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 266-282.	1.0	0
71	DAPI staining of Hela cancer cells without treating by <i>L. plantarum</i> 5BL supernatant. <i>Microbiology and Immunology</i> , 2014, 58, i.	0.7	0
72	Integrating Facilitative Teaching in Design Based Course. , 2017, , .		0