

Zurina Zainal Abidin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4310100/publications.pdf>

Version: 2024-02-01

85
papers

4,141
citations

236833

25
h-index

114418

63
g-index

87
all docs

87
docs citations

87
times ranked

4919
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of turbidity and dye removal from synthetic wastewater using response surface methodology: Effectiveness of <i>Moringa oleifera</i> seed powder as a green coagulant. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106988.	3.3	21
2	Ecofriendly adsorption and sensitive detection of Hg (II) by biomass-derived nitrogen-doped carbon dots: process modelling using central composite design. <i>Environmental Science and Pollution Research</i> , 2022, 29, 86859-86872.	2.7	8
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.	1.3	4
4	Techno-Economic Assessment of On-Farm Anaerobic Digestion System Using Attached-Biofilm Reactor in the Dairy Industry. <i>Sustainability</i> , 2021, 13, 2063.	1.6	12
5	A New Model of Alcoholic Fermentation under a Byproduct Inhibitory Effect. <i>ACS Omega</i> , 2021, 6, 4137-4146.	1.6	17
6	Modelling of mass transfer during pervaporation of ethanol/water mixture using polydimethylsiloxane membrane. <i>Chemical Engineering Research and Design</i> , 2021, 175, 320-329.	2.7	7
7	Optimization studies and compositional analysis of subcritical water extraction of essential oil from <i>Citrus hystrix</i> DC. leaves. <i>Journal of Supercritical Fluids</i> , 2021, 178, 105384.	1.6	16
8	Subcritical water extraction of essential oil from <i>Aquilaria malaccensis</i> leaves. <i>Separation Science and Technology</i> , 2020, 55, 2779-2798.	1.3	13
9	Fabrication, characterization and response surface method optimization for quantum efficiency of fluorescent nitrogen-doped carbon dots obtained from carboxymethylcellulose of oil palms empty fruit bunch. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 584-592.	1.7	27
10	Fluorescent recognition of Fe ³⁺ in acidic environment by enhanced-quantum yield N-doped carbon dots: optimization of variables using central composite design. <i>Scientific Reports</i> , 2020, 10, 11710.	1.6	48
11	Sustainable Development of Enhanced Luminescence Polymer-Carbon Dots Composite Film for Rapid Cd ²⁺ Removal from Wastewater. <i>Molecules</i> , 2020, 25, 3541.	1.7	19
12	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
13	Screening of factors influencing the yield of <i>Citrus hystrix</i> leaves essential oil extracted via pressurized hot water extraction based on resolution V fractional factorial design. <i>Journal of Food Process Engineering</i> , 2020, 43, e13531.	1.5	5
14	Decolorization of Palm Oil Mill Effluent by <i>Klebsiella Pneumonia</i> ABZ11: Remediation Efficacy and Statistical Optimization of Treatment Conditions. <i>Frontiers in Microbiology</i> , 2020, 11, 675.	1.5	8
15	Synthesis of Phenol Formaldehyde Resin with Paraformaldehyde and Formalin. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 778, 012024.	0.3	2
16	Sustainable <i>Jatropha</i> Oil-Based Membrane with Graphene Oxide for Potential Application in Cu(II) Ion Removal from Aqueous Solution. <i>Processes</i> , 2020, 8, 230.	1.3	5
17	Permeability and Antifouling Augmentation of a Hybrid PVDF-PEG Membrane Using Nano-Magnesium Oxide as a Powerful Mediator for POME Decolorization. <i>Polymers</i> , 2020, 12, 549.	2.0	14
18	Rheological Study of Phenol Formaldehyde Resole Resin Synthesized for Laminate Application. <i>Materials</i> , 2020, 13, 2578.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Augmented yeast-extract and dairy-waste for enhancing bio-decolourization of palm oil mill effluent using activated sludge. <i>Journal of Water Process Engineering</i> , 2020, 36, 101263.	2.6	8
20	Bio-Resin Production through Ethylene Unsaturated Carbon Using Vegetable Oils. <i>Processes</i> , 2020, 8, 48.	1.3	14
21	Selective and simultaneous detection of cadmium, lead and copper by tapioca-derived carbon dotâ€“modified electrode. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13315-13324.	2.7	33
22	Efficient removal of Cu(II) from aqueous systems using enhanced quantum yield nitrogen-doped carbon nanodots. <i>RSC Advances</i> , 2020, 10, 14979-14990.	1.7	22
23	Eco-Friendly Sustainable Fluorescent Carbon Dots for the Adsorption of Heavy Metal Ions in Aqueous Environment. <i>Nanomaterials</i> , 2020, 10, 315.	1.9	94
24	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
25	Overview of Alternative Ethanol Removal Techniques for Enhancing Bioethanol Recovery from Fermentation Broth. <i>Processes</i> , 2019, 7, 458.	1.3	36
26	Separation and Detection of <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> Using a Microfluidic Device Integrated with an Optical Fibre. <i>Biosensors</i> , 2019, 9, 40.	2.3	9
27	Performance Evaluation of Free-Space Fibre Optic Detection in a Lab-on-Chip for Microorganism. <i>Journal of Sensors</i> , 2019, 2019, 1-10.	0.6	3
28	Synthesis and Characterization of Fluorescent Carbon Dots from Tapioca. <i>ChemistrySelect</i> , 2019, 4, 4140-4146.	0.7	29
29	Thermal and Flammability Characteristics of Blended <i>Jatropha</i> Bio-Epoxy as Matrix in Carbon Fiberâ€“Reinforced Polymer. <i>Journal of Composites Science</i> , 2019, 3, 6.	1.4	35
30	Sustainable Synthesis Processes for Carbon Dots through Response Surface Methodology and Artificial Neural Network.. <i>Processes</i> , 2019, 7, 704.	1.3	20
31	Facile Synthesis of Nitrogen-Doped Carbon Dots from Lignocellulosic Waste. <i>Nanomaterials</i> , 2019, 9, 1500.	1.9	54
32	EPOXIDATION OF JATROPHA METHYL ESTERS VIA ACIDIC ION EXCHANGE RESIN: OPTIMIZATION AND CHARACTERIZATION. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 959-968.	0.7	8
33	Effect of Storage Conditions on <i>Jatropha curcas</i> Performance as Biocoagulant for Treating Palm Oil Mill Effluent. <i>Journal of Environmental Science and Technology</i> , 2019, 12, 92-101.	0.3	9
34	Effects of wire diameter, yarns size and wire configuration to wire cloth electrode produced from textile technology for dielectrophoresis application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 458, 012035.	0.3	1
35	The Pertinence of Microwave Irradiated Coconut Shell Bio-Sorbent for Wastewater Decolourization: Structural Morphology and Adsorption Optimization Using the Response Surface Method (RSM). <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2200.	1.2	12
36	Treatment of Palm Oil Mill Effluent Using Membrane Bioreactor: Novel Processes and Their Major Drawbacks. <i>Water (Switzerland)</i> , 2018, 10, 1165.	1.2	27

#	ARTICLE	IF	CITATIONS
37	Coagulative Behaviour of <i>Jatropha curcas</i> and its Performance in Wastewater Treatment. Environmental Progress and Sustainable Energy, 2017, 36, 1709-1718.	1.3	15
38	MEH-PPV film thickness influenced fluorescent quenching of tip-coated plastic optical fiber sensors. Optical Fiber Technology, 2017, 39, 21-25.	1.4	4
39	Initial study of new bio-based epoxy in carbon fiber reinforced composite panel manufactured by vacuum assisted resin transfer moulding. AIP Conference Proceedings, 2017, , .	0.3	2
40	A novel biocoagulant agent from mushroom chitosan as water and wastewater therapy. Environmental Science and Pollution Research, 2017, 24, 20104-20112.	2.7	21
41	Assessing the kinetic model of hydro-distillation and chemical composition of <i>Aquilaria malaccensis</i> leaves essential oil. Chinese Journal of Chemical Engineering, 2017, 25, 216-222.	1.7	32
42	Challenges in the management of massive intraorbital and hemifacial arteriovenous malformation as causing life-threatening epistaxis. Asian Journal of Surgery, 2017, 40, 158-162.	0.2	1
43	Functionalizing Graphene Oxide with Alkylamine by Gamma-ray Irradiation Method. Nanomaterials, 2017, 7, 135.	1.9	33
44	Detection of <i>Aeromonas hydrophila</i> Using Fiber Optic Microchannel Sensor. Journal of Sensors, 2017, 2017, 1-10.	0.6	12
45	Video as E- Learning Approach for Enhancing Laboratory Teaching in Biochemical Engineering- a Malaysia Case Study. , 2017, , .		1
46	Portable biosensor for chronic malaria detection. , 2016, , .		0
47	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.	1.3	19
48	The <I>In Vitro</I> Therapeutic Activity of Ellagic Acid-Alginate-Silver Nanoparticles on Breast Cancer Cells (MCF-7) and Normal Fibroblast Cells (3T3). Science of Advanced Materials, 2016, 8, 545-553.	0.1	5
49	OPTIMIZATION OF CHLOROPHYLL EXTRACTION FROM <i>Gynura procumbens</i> . Malaysian Journal of Analytical Sciences, 2016, 20, 1421-1428.	0.2	3
50	Dinitrobenzene sensing utilizing chitosan-based thin films optical fluorescence sensors via linear and nonlinear excitation. , 2015, , .		0
51	Optimization on the preparation of microfluidic channel using dry film resist. , 2015, , .		1
52	Proptosis"Correlation and Agreement between Hertel Exophthalmometry and Computed Tomography. Orbit, 2015, 34, 257-262.	0.5	30
53	Synthesis of 1,3-Dichloropropanol from Glycerol Using Muriatic Acid as Chlorinating Agent. Asian Journal of Chemistry, 2014, 26, 2907-2912.	0.1	0
54	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.	0.1	15

#	ARTICLE	IF	CITATIONS
55	Synthesis of palm-based ethylhexyl ester as a synthetic base oil for drilling fluids using chemical transesterification. <i>Grasas Y Aceites</i> , 2014, 65, e005.	0.3	4
56	Modeling of crude oil biodegradation using two phase partitioning bioreactor. <i>Biotechnology Progress</i> , 2014, 30, 797-805.	1.3	1
57	Stirring time effect of silver nanoparticles prepared in glutathione mediated by green method. <i>Chemistry Central Journal</i> , 2014, 8, 11.	2.6	82
58	Transesterification Reaction for Synthesis of Palm [^] -based Ethylhexyl Ester and Formulation as Base Oil for Synthetic Drilling Fluid. <i>Journal of Oleo Science</i> , 2014, 63, 497-506.	0.6	16
59	Optimisation of solid liquid extraction of jatropha oil using petroleum ether. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 331-338.	0.8	9
60	Optimisation of a method to extract the active coagulant agent from <i>Jatropha curcas</i> seeds for use in turbidity removal. <i>Industrial Crops and Products</i> , 2013, 41, 319-323.	2.5	89
61	Optics experimental unit and analysis housing for maximum dielectrophoresis (DEP) and AC electrokinetics operations. , 2013, , .		0
62	Polymer Partitioning Approach for Petroleum Hydrocarbon Reduction in a Clay Soil. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	5
63	Comparison of Citronella Oil Extraction Methods from <i>Cymbopogon nardus</i> Grass by Ohmic-heated Hydro-distillation, Hydro-Distillation, and Steam Distillation. <i>BioResources</i> , 2013, 9, .	0.5	14
64	Removal of Fe(III), Mn(II) and Zn(II) from palm oil mill effluent (POME) by natural zeolite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 750-759.	2.7	150
65	Removal of Residual Oils from Palm Oil Mill Effluent by Adsorption on Natural Zeolite. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 4017-4027.	1.1	33
66	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
67	Batch adsorption of basic dye using acid treated kenaf fibre char: Equilibrium, kinetic and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2012, 181-182, 449-457.	6.6	293
68	Evaluation of membrane bioreactor for hypersaline oily wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2012, 90, 45-55.	2.7	114
69	Low-Temperature Synthesis of Carbon Nanotubes via Floating Catalyst Chemical Vapor Deposition Method. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 522-531.	1.0	1
70	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. <i>Chemical Engineering Journal</i> , 2011, 168, 140-150.	6.6	104
71	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
72	Modeling of membrane bioreactor treating hypersaline oily wastewater by artificial neural network. <i>Journal of Hazardous Materials</i> , 2011, 192, 568-575.	6.5	80

#	ARTICLE	IF	CITATIONS
73	Preliminary study of ohmic heated hydro distillation for essential oil's plant extraction. , 2011, , .		7
74	A preliminary study on <i>Jatropha curcas</i> as coagulant in wastewater treatment. Environmental Technology (United Kingdom), 2011, 32, 971-977.	1.2	55
75	Solid Liquid Extraction of <i>Jatropha</i> Seeds by Microwave Pretreatment and Ultrasound Assisted Methods. Journal of Applied Sciences, 2011, 11, 2444-2447.	0.1	14
76	Application of membrane-coupled sequencing batch reactor for oilfield produced water recycle and beneficial re-use. Bioresource Technology, 2010, 101, 6942-6949.	4.8	109
77	Biological treatment of produced water in a sequencing batch reactor by a consortium of isolated halophilic microorganisms. Environmental Technology (United Kingdom), 2010, 31, 1229-1239.	1.2	58
78	Review of technologies for oil and gas produced water treatment. Journal of Hazardous Materials, 2009, 170, 530-551.	6.5	1,712
79	Extraction of Oil from <i>Jatropha</i> Seeds-Optimization and Kinetics. American Journal of Applied Sciences, 2009, 6, 1390-1395.	0.1	172
80	Novel electrode structures for large scale dielectrophoretic separations based on textile technology. Journal of Biotechnology, 2007, 130, 183-187.	1.9	19
81	Large scale dielectrophoretic construction of biofilms using textile technology. Biotechnology and Bioengineering, 2007, 96, 1222-1225.	1.7	16
82	High-gradient electric field system for the dielectrophoretic separation of cells. Journal of Electrostatics, 2005, 63, 823-830.	1.0	10
83	Methylene Blue Removal from Aqueous Solution by <i>Hyllocereus</i> (Dragon Fruit) Foliage. Applied Mechanics and Materials, 0, 625, 864-869.	0.2	3
84	Preliminary Study of Rambutan (<i>Nephelium lappaceum</i>) Seed as Potential Biocoagulant for Turbidity Removal. Advanced Materials Research, 0, 917, 96-105.	0.3	11
85	Synthesis and Applications of Organic-Based Fluorescent Carbon Dots: Technical Review. , 0, , .		0