

Noor Fitrah Abu Bakar

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

684
citations

840776

11
h-index

610901

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all docs

61
docs citations

61
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulosic fiber nanocomposite application review with zinc oxide antimicrobial agent nanoparticle: an opt for COVID-19 purpose. <i>Environmental Science and Pollution Research</i> , 2023, 30, 16779-16796.	5.3	7
2	Characterization and evaluation of dried automotive paint sludge as cement-based composite. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	3
3	Extraction of palm fatty acids from sterilized oil palm mesocarp by microwave technique: Optimization and kinetics. <i>Materials Today: Proceedings</i> , 2022, 63, S166-S173.	1.8	4
4	Characterisation of graphene oxide-coated sand for potential use as proppant in hydraulic fracturing. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	1.3	3
5	Atomisation of nanometre-scaled jasmine flower extracts using electrospray method. , 2022, 29, 659-666.		0
6	Magnetically recyclable flake-like BiOI-Fe ₃ O ₄ microswimmers for fast and efficient degradation of microplastics. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108275.	6.7	14
7	Effect of Microwave Power and Extraction Time on Crude Palm Oil Quality Using Microwave-Assisted Extraction Process. <i>International Journal of Renewable Energy Development</i> , 2021, 10, 495-505.	2.4	7
8	Thermal Analysis of Co-Utilization of Empty Fruit Bunch and Silantek Coal Under Inert Atmosphere Using Thermogravimetric Analyzer (TGA). <i>Frontiers in Energy Research</i> , 2021, 8, .	2.3	6
9	Role of nanoclay surface charge for phytoremediation process enhancement. <i>Journal of Water Process Engineering</i> , 2021, 40, 101850.	5.6	2
10	A Review on Multifunctional Carbon-Dots Synthesized From Biomass Waste: Design/ Fabrication, Characterization and Applications. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	54
11	Electrospun Polyetherimide-Graphene Oxide Nanofiber Electrodes for Enhanced Conductivity. <i>Journal of Fiber Science and Technology</i> , 2021, 77, 136-145.	0.4	5
12	Electric-Potential-Assisted Crystallisation of L-Isoleucine: A Study of Nucleation Kinetics and Its Associated Parameters. <i>Crystals</i> , 2021, 11, 620.	2.2	2
13	Advances on ultra-sensitive electrospun nanostructured electrochemical and colorimetric sensors for diabetes mellitus detection. <i>Nano Materials Science</i> , 2021, 3, 321-343.	8.8	26
14	Adsorptive capacity of spray-dried pH-treated bentonite and kaolin powders for ammonium removal. <i>Advanced Powder Technology</i> , 2021, 32, 1833-1843.	4.1	9
15	Growth-controlled synthesis of polymer-coated colloidal-gold nanoparticles using electrospray-based chemical reduction. <i>Particuology</i> , 2021, 57, 72-81.	3.6	6
16	Recent progress on proppant laboratory testing method: Characterisation, conductivity, transportation, and erosivity. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108871.	4.2	12
17	Ultra-sensitive electrospayed AuNPs-decorated PAA/PAN electrospun nanofibers as glucose sensor. <i>Journal of Materials Research</i> , 2021, 36, 4317-4328.	2.6	4
18	Effects of ultrasonicated methylcellulose coating on French fries during deep frying process. <i>Journal of Food Process Engineering</i> , 2020, 43, e13332.	2.9	5

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19	Molecular dynamics simulation on CO ₂ foam system with addition of SiO ₂ nanoparticles at various sodium dodecyl sulfate (SDS) concentrations and elevated temperatures for enhanced oil recovery (EOR) application. <i>Computational Materials Science</i> , 2020, 184, 109937.	3.0	14
20	Synthesis of Various Size Gold Nanoparticles by Chemical Reduction Method with Different Solvent Polarity. <i>Nanoscale Research Letters</i> , 2020, 15, 140.	5.7	86
21	High-throughput fabrication of carbonized electrospun polyacrylonitrile/poly(acrylic acid) nanofibers with additives for enhanced electrochemical sensing. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49341.	2.6	12
22	Characterization and Prediction of the Non-Bonded Molecular Interactions between Racemic Ibuprofen and α -Lactose Monohydrate Crystals Produced from Melt Granulation and Slow Evaporation Crystallization. <i>Indonesian Journal of Chemistry</i> , 2020, 20, 1255.	0.8	0
23	Characteristic and Erosion Study of Uncoated Sand Proppant Using Impingement Test. <i>Key Engineering Materials</i> , 2019, 797, 240-246.	0.4	1
24	Rheological and Filtration Performances of Rhizophora mucronata Tannin Water-Based Drilling Fluid. <i>Materials Today: Proceedings</i> , 2019, 17, 768-777.	1.8	4
25	Morphology and Conductivity Evaluation of Electrospun Polyacrylic Acid (PAA) Microfiber. <i>Materials Today: Proceedings</i> , 2019, 17, 574-583.	1.8	17
26	Molecular aggregation of L-isoleucine in aqueous solution and its impact on the determination of solubility and nucleation kinetics. <i>Journal of Crystal Growth</i> , 2019, 519, 91-99.	1.5	5
27	Evaluation of surface water treated with lotus plant; <i>Nelumbo nucifera</i> . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103048.	6.7	16
28	Adsorption kinetics of methylene blue dyes onto magnetic graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2803-2811.	6.7	180
29	Formation of fine and encapsulated mefenamic acid form I particles for dissolution improvement via electrospray method. <i>Particulate Science and Technology</i> , 2018, 36, 298-307.	2.1	3
30	Influence of amino acid additives on solution behaviour of L-alanine. <i>Chemical Engineering Research Bulletin</i> , 2018, 20, 23.	0.2	2
31	Development of black ink for calligraphy purpose in the production of Al-quran. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 334, 012050.	0.6	0
32	Eco-Friendly Drilling Fluid Deflocculant for Drilling High Temperature Well: A Review. , 2018, , .		2
33	Nanocrystal cellulose as drug excipient in transdermal patch for wound healing: an overview. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 334, 012046.	0.6	2
34	Aqueous foams stabilized with silica nanoparticle and alpha olefin sulfonates surfactant. <i>Journal of Mechanical Engineering and Sciences</i> , 2018, 12, 3759-3770.	0.6	10
35	Tannin Extraction from Bark of Rhizophora Mucronata Using Soxhlet and Boiling Techniques. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2018, 8, 2525-2530.	0.4	3
36	Trace determination of cadmium content in Malaysian herbs using graphene-ionic liquid-modified screen-printed carbon electrodes. <i>Journal of Sensors and Sensor Systems</i> , 2018, 7, 481-487.	0.9	1

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37	Preparation and Characterisation of Cyclodextrin Glucanotransferase Enzyme Immobilised in Electrospun Nanofibrous Membrane. <i>Journal of Fiber Science and Technology</i> , 2017, 73, 251-260.	0.4	8
38	EFFECT OF VARIOUS POWER LEVEL AND DIFFERENT RATIO OF FRUIT TO WATER IN OIL PALM FRUITS MICROWAVE STERILIZER. <i>Malaysian Journal of Analytical Sciences</i> , 2017, 21, .	0.1	2
39	Encapsulation of bioactive compound from extracted jasmine flower using β -Cyclodextrin via electrospray. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 36, 012054.	0.3	2
40	Electrophoretic deposition of adsorbed arsenic on fine iron oxide particles in tap water. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
41	Effects of particle shape and size on nanofluid properties for potential Enhanced Oil Recovery (EOR). <i>MATEC Web of Conferences</i> , 2016, 69, 03006.	0.2	6
42	Removal of fine iron-oxide particles after post-filtration in local potable water using an electrophoretic method. <i>Journal of Water Process Engineering</i> , 2016, 9, 208-214.	5.6	1
43	Immobilisation of cyclodextrin glucanotransferase into polyvinyl alcohol (PVA) nanofibres via electrospinning. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 10, 44-48.	4.4	43
44	MICROWAVE PYROLYSIS ASSISTED WITH CARBON BASED ABSORBENT: AN OVERVIEW. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	0
45	Deposition of nanostructures derived from electrostatically stabilised TiO ₂ aqueous suspension onto a biocomposite. <i>Advanced Powder Technology</i> , 2015, 26, 362-367.	4.1	3
46	Deposition of fine iron oxide particles in tap water using electrophoretic deposition (EPD) technique. <i>Journal of Water Process Engineering</i> , 2015, 7, 123-130.	5.6	16
47	Induction Time of L-Isoleucine Crystallization with the Presence of Electric Field. , 2015, , 139-147.		0
48	Nanoparticle preparation of Mefenamic acid by electrospray drying. , 2014, , .		4
49	Electrospray deposition of titanium dioxide (TiO ₂) nanoparticles. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	13
50	Transformation of cyclodextrin glucanotransferase (CGTase) from aqueous suspension to fine solid particles via electrospraying. <i>Enzyme and Microbial Technology</i> , 2014, 64-65, 52-59.	3.2	9
51	Solubility Study of Electrocrystallized L-isoleucine in Aqueous Phase. <i>Journal of Applied Sciences</i> , 2014, 14, 1403-1408.	0.3	1
52	Microscopic evaluation of binderless granulation in a pressure swing granulation fluidized bed. <i>Chemical Engineering Science</i> , 2013, 98, 51-58.	3.8	5
53	Electrostatic Deposition of Aerosol Particles Generated from an Aqueous Nanopowder Suspension on a Chemically Treated Substrate. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 06GH17.	1.5	10
54	Direct measurement of particle-particle interaction using micro particle interaction analyzer (MPIA). <i>Advanced Powder Technology</i> , 2009, 20, 455-463.	4.1	8

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55	Improvement of sticking tendency of granules during tableting process by pressure swing granulation. Powder Technology, 2007, 176, 137-147.	4.2	7
56	Effect of Microwave Absorber towards Pyrolysis Yield of Automotive Paint Sludge. Applied Mechanics and Materials, 0, 789-790, 66-70.	0.2	3
57	Morphology of L-Alanine Crystal, Associated with its Interaction with Glycine Additive: A Molecular Modelling and Experimental Study. Advanced Materials Research, 0, 1113, 498-503.	0.3	2
58	Extracted Lignin from Rhizophora's Black Liquor as Fluid Loss Control Additive in Water Based Drilling Mud. Key Engineering Materials, 0, 775, 74-80.	0.4	3
59	Stabilisation of Emulsified Agarwood Oil in an Aqueous System Using Non-Ionic Surfactant. Key Engineering Materials, 0, 797, 186-195.	0.4	1
60	Diffusion Coefficient and Interfacial Tension with Addition of Silica Nanoparticles in CO ₂ -Surfactant-Water-Hexane for Enhanced Oil Recovery (EOR) Using Molecular Dynamic Simulation. Key Engineering Materials, 0, 797, 375-384.	0.4	7
61	Inhibition of acrylamide formation in potato strip by ultrasonic-treated methylcellulose batter. International Journal of Food Science and Technology, 0, , .	2.7	3