Muhammad Rashid Shamsuddin

List of Publications by Year
in descending order

39 papers	1,178 citations	516561 16 h-index	395590 33 g-index
39 all docs	39 docs citations	39 times ranked	1224 citing authors

#	Article	IF	Citations
1	Waste sugarcane bagasseâ€derived nanocatalyst for microwaveâ€assisted transesterification: Thermal, kinetic and optimization study. Biofuels, Bioproducts and Biorefining, 2022, 16, 122-141.	1.9	23
2	Economic analysis of waste minimisation and energy recovery from spent bleaching earth. Cleaner Engineering and Technology, 2022, 7, 100418.	2.1	2
3	Degradable Slow-Release Fertilizer Composite Prepared by Ex Situ Mixing of Inverse Vulcanized Copolymer with Urea. Agronomy, 2022, 12, 65.	1.3	6
4	A review on treatment processes of chicken manure. , 2022, 2, 100013.		17
5	Sulfur enriched slow-release coated urea produced from inverse vulcanized copolymer. Science of the Total Environment, 2022, 846, 157417.	3.9	16
6	Evaluation of properties of sulfur-based polymers obtained by inverse vulcanization: Techniques and challenges. Polymers and Polymer Composites, 2021, 29, 1333-1352.	1.0	26
7	A review on the waste biomass derived catalysts for biodiesel production. Environmental Technology and Innovation, 2021, 21, 101200.	3.0	98
8	Palm Oil Industryâ€"Processes, By-Product Treatment and Value Addition. Advances in Science, Technology and Innovation, 2021, , 121-143.	0.2	3
9	Fly ash based geopolymer for the adsorption of cationic and nonionic surfactants from aqueous solution â€“ A feasibility study. Materials Letters, 2021, 283, 128758.	1.3	16
10	Optimization of synthesis of geopolymer adsorbent for the effective removal of anionic surfactant from aqueous solution. Journal of Environmental Chemical Engineering, 2021, 9, 104949.	3.3	31
11	Synthesis and Characterization of Sustainable Inverse Vulcanized Copolymers from Nonâ€Edible Oil. ChemistrySelect, 2021, 6, 1180-1190.	0.7	14
12	Development of lignin based heterogeneous solid acid catalyst derived from sugarcane bagasse for microwave assisted-transesterification of waste cooking oil. Biomass and Bioenergy, 2021, 146, 105978.	2.9	33
13	Optimization of synthesis of inverse vulcanized copolymers from rubber seed oil using response surface methodology. Polymer, 2021, 219, 123553.	1.8	18
14	Catalytic Pyrolysis of Municipal Solid Waste: Effects of Pyrolysis Parameters. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 342-352.	0.5	4
15	The use of Bisâ€(3â€triethoxysilylpropyl) tetrasulphane for surface modification of silica, ferrite and kenaf fiber filled natural rubber composites; comparison of aqueous solvent deposition, dry blend and integral blend methods. Journal of Applied Polymer Science, 2021, 138, 50905.	1.3	4
16	Co-anaerobic digestion of chicken manure with the addition of Cymbopogan citratus, Mentha piperita and Citrus sinensis as fly deterrent agents: Biogas production and Kinetic study. Bioresource Technology Reports, 2021, 15, 100748.	1.5	4
17	Producing hydrocarbon fuel from the plastic waste: Techno-economic analysis. Korean Journal of Chemical Engineering, 2021, 38, 2208-2216.	1.2	33
18	Performance of allicin coated with palm stearin on hydrolyzation of urea applied on soil. Journal of Plant Nutrition, 2021, 44, 1446-1457.	0.9	1

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19	Fatty acid distillate as an alternative boiler fuel. Energy Reports, 2021, 7, 8688-8698.	2.5	3
20	A Degradable Inverse Vulcanized Copolymer as a Coating Material for Urea Produced under Optimized Conditions. Polymers, 2021, 13, 4040.	2.0	15
21	A comparative study of dynamic adsorption of anionic synthetic and nanocellulose-based surfactant in Malaysian reservoir. Journal of Petroleum Exploration and Production, 2020, 10, 311-318.	1.2	4
22	A review on recent developments in the adsorption of surfactants from wastewater. Journal of Environmental Management, 2020, 254, 109797.	3.8	169
23	Adsorption Kinetics, Isotherms, and Thermodynamics of Removal of Anionic Surfactant from Aqueous Solution Using Fly Ash. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	19
24	Comparative Performances of Microalgal-Bacterial Co-Cultivation to Bioremediate Synthetic and Municipal Wastewaters Whilst Producing Biodiesel Sustainably. Processes, 2020, 8, 1427.	1.3	42
25	Short-Chain Polyglycerol Production via Microwave-Assisted Solventless Glycerol Polymerization Process Over Lioh-Modified Aluminium Pillared Clay Catalyst: Parametric Study. Processes, 2020, 8, 1093.	1.3	2
26	Mixed Composting of Palm Oil Empty Fruit Bunch (EFB) and Palm Oil Mill Effluent (POME) with Various Organics: An Analysis on Final Macronutrient Content and Physical Properties. Waste and Biomass Valorization, 2020, 11, 5539-5548.	1.8	19
27	Enhancing biogas production in anaerobic co-digestion of fresh chicken manure with corn stover at laboratory scale. SN Applied Sciences, 2020, 2, 1.	1.5	7
28	Release kinetics study and anti-corrosion behaviour of a pH-responsive ionic liquid-loaded halloysite nanotube-doped epoxy coating. RSC Advances, 2020, 10, 13174-13184.	1.7	16
29	Fly ash based geopolymer for the adsorption of anionic surfactant from aqueous solution. Journal of Cleaner Production, 2019, 229, 232-243.	4.6	91
30	Formulation and characterization of acetate based ionic liquid in oil microemulsion as a carrier for acyclovir and methotrexate. Separation and Purification Technology, 2018, 196, 149-156.	3.9	31
31	Removal of anionic surfactant sodium dodecylbenzenesulfonate from water using fly ash adsorbent. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012043.	0.3	2
32	Effect of pore forming agents on geopolymer porosity and mechanical properties. AIP Conference Proceedings, 2018, , .	0.3	6
33	A review on geopolymers as emerging materials for the adsorption of heavy metals and dyes. Journal of Environmental Management, 2018, 224, 327-339.	3.8	301
34	Evaluation of Allicin as Soil Urease Inhibitor. Procedia Engineering, 2017, 184, 449-459.	1.2	27
35	Humic acid batteries derived from vermicomposts at different C/N ratios. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012067.	0.3	2
36	Settling of Bentonite Particles in Gelatin Solutions for Stickwater Treatment. Procedia Engineering, 2016, 148, 194-200.	1.2	4

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37	Determination of Excess Sodium Hydroxide in Geopolymer by Volumetric Analysis. Procedia Engineering, 2016, 148, 298-301.	1.2	10
38	Microwave-assisted methyl esters synthesis of Kapok (Ceiba pentandra) seed oil: parametric and optimization study. Biofuel Research Journal, 2015, 2, 281-287.	7.2	42
39	Producing protein intercalated bentonite â€" Equilibrium, kinetics and physical properties of gelatinâ€"bentonite system. Applied Clay Science, 2014, 87, 52-60.	2.6	17