

Zaiton Abdul Majid

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,702
citations

304743

22
h-index

302126

39
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63
all docs

63
docs citations

63
times ranked

2201
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Bambusa Arundinacea leaves extract as a sustainable corrosion inhibitor in steel reinforced concrete. <i>Journal of Cleaner Production</i> , 2014, 67, 139-146.	9.3	139
2	The reuse of wastepaper for the extraction of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2015, 118, 165-169.	10.2	134
3	Kinetic and equilibrium studies of the removal of ammonium ions from aqueous solution by rice husk ash-synthesized zeolite Y and powdered and granulated forms of mordenite. <i>Journal of Hazardous Materials</i> , 2010, 174, 380-385.	12.4	120
4	The impact of biochars on sorption and biodegradation of polycyclic aromatic hydrocarbons in soils—a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3314-3341.	5.3	102
5	Current technologies for recovery of metals from industrial wastes: An overview. <i>Environmental Technology and Innovation</i> , 2021, 22, 101525.	6.1	91
6	Identification, control strategies, and analytical approaches for the determination of potential genotoxic impurities in pharmaceuticals: A comprehensive review. <i>Journal of Separation Science</i> , 2015, 38, 764-779.	2.5	71
7	Synthesis, characterization of Mo and Mn doped ZnO and their photocatalytic activity for the decolorization of two different chromophoric dyes. <i>Applied Catalysis A: General</i> , 2015, 505, 507-514.	4.3	71
8	High concentration arsenic removal from aqueous solution using nano-iron ion enrich material (NIEM) super adsorbent. <i>Chemical Engineering Journal</i> , 2017, 317, 343-355.	12.7	64
9	Application of zeolite-activated carbon macrocomposite for the adsorption of Acid Orange 7: isotherm, kinetic and thermodynamic studies. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7243-7255.	5.3	60
10	Synthesis and characterization of magnetic activated carbon developed from palm kernel shells. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1.	3.3	60
11	Recent progress on Fe-based nanoparticles: Synthesis, properties, characterization and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3537-3553.	6.7	59
12	Improved corrosion resistance of mild steel against acid activation: Impact of novel <i>Elaeis guineensis</i> and silver nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 139-148.	5.8	48
13	A short review on electrochemical exfoliation of graphene and graphene quantum dots. <i>Carbon Letters</i> , 2021, 31, 371-388.	5.9	45
14	Biokinetics of nitrogen removal at high concentrations by <i>Rhodobacter sphaeroides</i> ADZ101. <i>International Biodeterioration and Biodegradation</i> , 2015, 105, 245-251.	3.9	44
15	Morphological Characteristics of Hardened Cement Pastes Incorporating Nano-palm Oil Fuel Ash. <i>Procedia Manufacturing</i> , 2015, 2, 512-518.	1.9	42
16	Optimization of decolorization of palm oil mill effluent (POME) by growing cultures of <i>Aspergillus fumigatus</i> using response surface methodology. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2912-2923.	5.3	40
17	Synthesis of visible light active doped TiO ₂ for the degradation of organic pollutants—methylene blue and glyphosate. <i>Journal of Analytical Science and Technology</i> , 2016, 7, .	2.1	38
18	Biosorption and biodegradation of Acid Orange 7 by <i>Enterococcus faecalis</i> strain ZL: optimization by response surface methodological approach. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5056-5066.	5.3	37

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19	Optimizing the coagulation process in a drinking water treatment plant – comparison between traditional and statistical experimental design jar tests. <i>Water Science and Technology</i> , 2012, 65, 496-503.	2.5	31
20	Influence of non-hydrocarbon substances on the compressive strength of natural rubber latex-modified concrete. <i>Construction and Building Materials</i> , 2012, 27, 241-246.	7.2	30
21	Additional Lewis acid sites of protonated fibrous silica@BEA zeolite (HSi@BEA) improving the generation of protonic acid sites in the isomerization of C6 alkane and cycloalkanes. <i>Applied Catalysis A: General</i> , 2019, 570, 228-237.	4.3	27
22	Removal of naphthenic acids from high acidity Korean crude oil utilizing catalytic deacidification method. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 110-116.	5.8	26
23	Evaluation of Sulfate Resistance of Mortar Containing Palm Oil Fuel Ash from Different Sources. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 2293-2301.	1.1	25
24	Flow characteristics of ternary blended self-consolidating cement mortars incorporating palm oil fuel ash and pulverised burnt clay. <i>Construction and Building Materials</i> , 2014, 64, 253-260.	7.2	24
25	Evaluation of macrocomposite based sequencing batch biofilm reactor (MC-SBBR) for decolorization and biodegradation of azo dye Acid Orange 7. <i>International Biodeterioration and Biodegradation</i> , 2014, 87, 9-17.	3.9	20
26	Simultaneous determination of three organophosphorus pesticides in different food commodities by gas chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 2276-2283.	2.5	20
27	The valorization of municipal grass waste for the extraction of cellulose nanocrystals. <i>RSC Advances</i> , 2020, 10, 42400-42407.	3.6	20
28	Toxic and nontoxic elemental enrichment in biochar at different production temperatures. <i>Journal of Cleaner Production</i> , 2016, 131, 810-821.	9.3	17
29	Batch sorption-desorption of As(III) from waste water by magnetic palm kernel shell activated carbon using optimized Box-Behnken design. <i>Applied Water Science</i> , 2017, 7, 4573-4591.	5.6	16
30	Development and Validation of Capillary Electrophoresis Method for Simultaneous Determination of Six Pharmaceuticals in Different Food Samples Combining On-line and Off-line Sample Enrichment Techniques. <i>Food Analytical Methods</i> , 2018, 11, 533-545.	2.6	15
31	Recent advances on the preparation and application of graphene quantum dots for mercury detection: a systematic review. <i>Carbon Letters</i> , 2022, 32, 57-80.	5.9	15
32	Preparation, Marriage Chemistry and Applications of Graphene Quantum Dots-Nanocellulose Composite: A Brief Review. <i>Molecules</i> , 2021, 26, 6158.	3.8	15
33	Development and validation of a rapid ultra high performance liquid chromatography with tandem mass spectrometry method for the simultaneous determination of darunavir, ritonavir, and tenofovir in human plasma: Application to human pharmacokinetics. <i>Journal of Separation Science</i> , 2015, 38, 2580-2587.	2.5	13
34	Development and validation of a selective, sensitive and stability indicating UPLC-MS/MS method for rapid, simultaneous determination of six process related impurities in darunavir drug substance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 141-148.	2.8	13
35	Statistical optimization of titanium recovery from drinking water treatment residue using response surface methodology. <i>Journal of Environmental Management</i> , 2020, 255, 109890.	7.8	12
36	Effect of Addition of Ni metal catalyst onto the Co and Fe supported catalysts for the formation of carbon nanotubes. <i>Journal of Porous Materials</i> , 2006, 13, 331-334.	2.6	10

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37	Electrochemical synthesis and characterization of stable colloidal suspension of graphene using two-electrode cell system. AIP Conference Proceedings, 2015, , .	0.4	8
38	Surface modification of banana stem fibers via radiation induced grafting of poly(methacrylic acid) as an effective cation exchanger for Hg(II). RSC Advances, 2016, 6, 34411-34421.	3.6	8
39	Adsorption and desorption of curcumin by poly(vinyl) alcohol-multiwalled carbon nanotubes (PVA-MWCNT). Colloid and Polymer Science, 2017, 295, 1925-1936.	2.1	8
40	Simulation of a conventional water treatment plant for the minimization of new emerging pollutants in drinking water sources: process optimization using response surface methodology. RSC Advances, 2017, 7, 11550-11560.	3.6	7
41	Recent advances on the enhanced thermal conductivity of graphene nanoplatelets composites: a short review. Carbon Letters, 2022, 32, 1411-1424.	5.9	7
42	Mechanical capabilities and fire endurance of natural rubber latex modified concrete. Canadian Journal of Civil Engineering, 2011, 38, 661-668.	1.3	5
43	Physicochemical characterizations of nano-palm oil fuel ash. , 2015, , .		5
44	Application of henna extract in minimizing surfactant adsorption on quartz sand in saline condition: A sacrificial agent approach. SN Applied Sciences, 2019, 1, 1.	2.9	5
45	Electrochemically exfoliated functionalized graphene flakes: Facile synthesis, 3rd order optical nonlinearity and optical limiting response. Optics and Laser Technology, 2022, 151, 108030.	4.6	5
46	Application of ion chromatography for the assessment of cadmium adsorption in simulated wastewater by activated carbon. Desalination and Water Treatment, 2014, 52, 3616-3622.	1.0	4
47	Optimization of basic catalyst with ammoniated polyethylene glycol for the removal of naphthenic acid from petroleum crude oil by Box-Behnken design. Clean Technologies and Environmental Policy, 2015, 17, 2387-2400.	4.1	4
48	Preparation of Cellulose Nanocrystal Aerogel from Wastepaper through Freeze-Drying Technique. Advanced Materials Research, 2015, 1125, 296-300.	0.3	4
49	Optimisation of biostructure for the adsorption of petrochemical wastewater using statistical approach. Clean Technologies and Environmental Policy, 2015, 17, 249-256.	4.1	4
50	Effect of magnetic activated carbon on the surface hydrophobicity for initial biogranulation via response surface methodology. Water Environment Research, 2020, 92, 73-83.	2.7	4
51	Activated Carbon Production from Agricultural Biomass Using Response Surface Method (RSM) for Cd (II) Removal. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	3
52	Cement Hydration Extents for Hardened Cement Paste Incorporating Nanosized-Palm Oil Fuel Ash: A Thermal and XRD Analysis Study. Lecture Notes in Civil Engineering, 2020, , 61-70.	0.4	3
53	A simple, selective, and sensitive gas chromatography-mass spectrometry method for the analysis of five process-related impurities in atenolol bulk drug and capsule formulations. Journal of Separation Science, 2017, 40, 3086-3093.	2.5	2
54	Deacidification of Acidic Petroleum Crude Oil Utilizing a Formulated Basic Chemical. Advanced Materials Research, 2015, 1107, 335-340.	0.3	1

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55	General Overview on Cellulose and Cellulose Nanocrystals: Properties, Extraction, Application, and Sustainable Development. , 2022, , 93-114.		1
56	Covalent immobilization of tyrosinase onto commercial multi-walled carbon nanotubes and its effect on enzymatic activity. , 2010, , .		0
57	Removal of Reactive Dyes from Aqueous Solution by Modified Electric Arc Furnace Slag. Advanced Materials Research, 0, 832, 804-809.	0.3	0
58	Preparation, characterization and adsorption study of o-cresol molecularly imprinted grafted silica gel sorbent synthesized by sol-gel polymerization. , 2017, , .		0
59	Grass Waste Derived Cellulose Nanocrystals as Nanofiller in Polyvinyl Alcohol Composite Film for Packaging Application. Solid State Phenomena, 0, 324, 151-158.	0.3	0
60	Equilibrium and kinetic studies of acid dye adsorption on palm oil empty fruit bunch. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.8	0
61	ADSORBENT FROM WASTE AND NATURAL DEPOSITS FOR PARAQUAT REMOVAL IN WATER. Malaysian Journal of Analytical Sciences, 2016, 20, 469-476.	0.1	0
62	Bioparticle Development in Constructed Wetland for Domestic Wastewater. , 2017, , 155-176.		0
63	The Effect of Eggshell Powder as an Accelerator for Blended Cement Concrete. Journal of Computational and Theoretical Nanoscience, 2020, 17, 1032-1036.	0.4	0