

Zaiton Abdul Majid

List of Publications by Year in descending order

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63
papers

1,702
citations

304602

22
h-index

302012

39
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63
all docs

63
docs citations

63
times ranked

2201
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.3	15
2	General Overview on Cellulose and Cellulose Nanocrystals: Properties, Extraction, Application, and Sustainable Development. , 2022, , 93-114.		1
3	Electrochemically exfoliated functionalized graphene flakes: Facile synthesis, 3rd order optical nonlinearity and optical limiting response. <i>Optics and Laser Technology</i> , 2022, 151, 108030.	2.2	5
4	Recent advances on the enhanced thermal conductivity of graphene nanoplatelets composites: a short review. <i>Carbon Letters</i> , 2022, 32, 1411-1424.	3.3	7
5	A short review on electrochemical exfoliation of graphene and graphene quantum dots. <i>Carbon Letters</i> , 2021, 31, 371-388.	3.3	45
6	Current technologies for recovery of metals from industrial wastes: An overview. <i>Environmental Technology and Innovation</i> , 2021, 22, 101525.	3.0	91
7	Preparation, Marriage Chemistry and Applications of Graphene Quantum Dotsâ€“Nanocellulose Composite: A Brief Review. <i>Molecules</i> , 2021, 26, 6158.	1.7	15
8	Effect of magnetic activated carbon on the surface hydrophobicity for initial biogranulation via response surface methodology. <i>Water Environment Research</i> , 2020, 92, 73-83.	1.3	4
9	Statistical optimization of titanium recovery from drinking water treatment residue using response surface methodology. <i>Journal of Environmental Management</i> , 2020, 255, 109890.	3.8	12
10	The valorization of municipal grass waste for the extraction of cellulose nanocrystals. <i>RSC Advances</i> , 2020, 10, 42400-42407.	1.7	20
11	Cement Hydration Extents for Hardened Cement Paste Incorporating Nanosized-Palm Oil Fuel Ash: A Thermal and XRD Analysis Study. <i>Lecture Notes in Civil Engineering</i> , 2020, , 61-70.	0.3	3
12	The Effect of Eggshell Powder as an Accelerator for Blended Cement Concrete. <i>Journal of Computational and Theoretical Nanoscience</i> , 2020, 17, 1032-1036.	0.4	0
13	Application of henna extract in minimizing surfactant adsorption on quartz sand in saline condition: A sacrificial agent approach. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5
14	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.	2.2	27
15	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.	2.9	48
16	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.	1.3	15
17	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.	6.6	64
18	Simulation of a conventional water treatment plant for the minimization of new emerging pollutants in drinking water sources: process optimization using response surface methodology. <i>RSC Advances</i> , 2017, 7, 11550-11560.	1.7	7

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19	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. <i>Journal of Separation Science</i> , 2017, 40, 3086-3093.	1.3	2
20	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.	2.8	16
21	Adsorption and desorption of curcumin by poly(vinyl) alcohol-multiwalled carbon nanotubes (PVA-MWCNT). <i>Colloid and Polymer Science</i> , 2017, 295, 1925-1936.	1.0	8
22	Synthesis and characterization of magnetic activated carbon developed from palm kernel shells. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1.	2.0	60
23	Preparation, characterization and adsorption study of o-cresol molecularly imprinted grafted silica gel sorbent synthesized by sol-gel polymerization. , 2017, , .		0
24	Bioparticle Development in Constructed Wetland for Domestic Wastewater. , 2017, , 155-176.		0
25	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, .	1.0	38
26	Surface modification of banana stem fibers via radiation induced grafting of poly(methacrylic acid) as an effective cation exchanger for Hg(II). <i>RSC Advances</i> , 2016, 6, 34411-34421.	1.7	8
27	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.	1.4	13
28	Recent progress on Fe-based nanoparticles: Synthesis, properties, characterization and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3537-3553.	3.3	59
29	Toxic and nontoxic elemental enrichment in biochar at different production temperatures. <i>Journal of Cleaner Production</i> , 2016, 131, 810-821.	4.6	17
30	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.	1.3	20
31	ADSORBENT FROM WASTE AND NATURAL DEPOSITS FOR PARAQUAT REMOVAL IN WATER. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 469-476.	0.2	0
32	Physicochemical characterizations of nano-palm oil fuel ash. , 2015, , .		5
33	Electrochemical synthesis and characterization of stable colloidal suspension of graphene using two-electrode cell system. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	8
34	Morphological Characteristics of Hardened Cement Pastes Incorporating Nano-palm Oil Fuel Ash. <i>Procedia Manufacturing</i> , 2015, 2, 512-518.	1.9	42
35	Deacidification of Acidic Petroleum Crude Oil Utilizing a Formulated Basic Chemical. <i>Advanced Materials Research</i> , 2015, 1107, 335-340.	0.3	1
36	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.	1.3	13

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37	Optimization of basic catalyst with ammoniated polyethylene glycol for the removal of naphthenic acid from petroleum crude oil by Boxâ€“Behnken design. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 2387-2400.	2.1	4
38	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.	1.3	71
39	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.	2.9	26
40	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.	2.2	71
41	Preparation of Cellulose Nanocrystal Aerogel from Wastepaper through Freeze-Drying Technique. <i>Advanced Materials Research</i> , 2015, 1125, 296-300.	0.3	4
42	Biokinetics of nitrogen removal at high concentrations by <i>Rhodobacter sphaeroides</i> ADZ101. <i>International Biodeterioration and Biodegradation</i> , 2015, 105, 245-251.	1.9	44
43	The impact of biochars on sorption and biodegradation of polycyclic aromatic hydrocarbons in soilsâ€“a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3314-3341.	2.7	102
44	The reuse of wastepaper for the extraction of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2015, 118, 165-169.	5.1	134
45	Optimisation of biostructure for the adsorption of petrochemical wastewater using statistical approach. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 249-256.	2.1	4
46	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.	1.9	20
47	Green Bambusa Arundinacea leaves extract as a sustainable corrosion inhibitor in steel reinforced concrete. <i>Journal of Cleaner Production</i> , 2014, 67, 139-146.	4.6	139
48	Application of ion chromatography for the assessment of cadmium adsorption in simulated wastewater by activated carbon. <i>Desalination and Water Treatment</i> , 2014, 52, 3616-3622.	1.0	4
49	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.	3.2	24
50	Activated Carbon Production from Agricultural Biomass Using Response Surface Method (RSM) for Cd (II) Removal. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, .	0.3	3
51	Equilibrium and kinetic studies of acid dye adsorption on palm oil empty fruit bunch. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2014, 9, .	0.4	0
52	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
53	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.	2.7	60
54	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.	2.7	40

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55	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.	2.7	37
56	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.	1.2	31
57	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.	3.2	30
58	Mechanical capabilities and fire endurance of natural rubber latex modified concrete. <i>Canadian Journal of Civil Engineering</i> , 2011, 38, 661-668.	0.7	5
59	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.	6.5	120
60	Covalent immobilization of tyrosinase onto commercial multi-walled carbon nanotubes and its effect on enzymatic activity. , 2010, , .		0
61	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.	1.3	10
62	Removal of Reactive Dyes from Aqueous Solution by Modified Electric Arc Furnace Slag. <i>Advanced Materials Research</i> , 0, 832, 804-809.	0.3	0
63	Grass Waste Derived Cellulose Nanocrystals as Nanofiller in Polyvinyl Alcohol Composite Film for Packaging Application. <i>Solid State Phenomena</i> , 0, 324, 151-158.	0.3	0