

Azlan Kamari

List of Publications by Year in descending order

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64
papers

1,576
citations

394421

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315739

38
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docs citations

64
times ranked

2048
citing authors

#	ARTICLE	IF	CITATIONS
1	Gellan gum and pectin-functionalised magnetic graphene oxide nanocomposites as nanocarriers for permethrin to control mosquito larvae. <i>Polymer Bulletin</i> , 2023, 80, 5501-5527.	3.3	1
2	Mechanistic insight into the adsorption and photocatalytic activity of a magnetically separable β -Fe ₂ O ₃ /Montmorillonite nanocomposite for rhodamine B removal. <i>Chemical Physics Letters</i> , 2022, 792, 139410.	2.6	22
3	OPTIMISATION OF BIOMASS, LIPID AND CARBOHYDRATE PRODUCTIVITIES IN <i>Chlorella vulgaris</i> FOR BIOFUEL PRODUCTION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2022, 84, 47-57.	0.4	1
4	Fe ₃ O ₄ @SiO ₂ nanoflakes synthesized using biogenic silica from <i>Salacca zalacca</i> leaf ash and the mechanistic insight into adsorption and photocatalytic wet peroxidation of dye. <i>Green Processing and Synthesis</i> , 2022, 11, 345-360.	3.4	5
5	Isolation of Nanocellulose from Aquatic Wetland Plant- <i>Eleocharis dulcis</i> . <i>Asian Journal of Chemistry</i> , 2022, 34, 1513-1516.	0.3	0
6	Optimisation of carbohydrate, lipid and biomass productivity in <i>Tetrademus obliquus</i> using response surface methodology. <i>Biofuels</i> , 2021, 12, 807-816.	2.4	5
7	Alkyl glycol chitosan derivatives for encapsulation and controlled release of rotenone. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
8	Nanoflower-like composites of ZnO/SiO ₂ synthesized using bamboo leaves ash as reusable photocatalyst. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102973.	4.9	28
9	Chitosan-graphene oxide nanocomposites as water-solubilising agents for rotenone pesticide. <i>Journal of Molecular Liquids</i> , 2020, 318, 114066.	4.9	21
10	Longer mosquito control using a sodium alginate-chitosan nanocarrier for cinnamaldehyde in larvicide formulations. <i>Environmental Chemistry Letters</i> , 2020, 18, 1345-1351.	16.2	4
11	Sonocatalytic degradation of rhodamine B using tin oxide/ montmorillonite. <i>Journal of Water Process Engineering</i> , 2020, 37, 101418.	5.6	18
12	A review of nano-based materials used as flocculants for water treatment. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 3571-3594.	3.5	19
13	Physicochemical and photocatalytic activity of hematite/biochar nanocomposite prepared from <i>Salacca</i> skin waste. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 16, 100261.	3.3	6
14	N-octyl chitosan derivatives as amphiphilic carrier agents for herbicide formulations. <i>Open Chemistry</i> , 2019, 17, 365-380.	1.9	6
15	Antimalarial Activity of <i>Andrographis Paniculata</i> Ness's N-hexane Extract and Its Major Compounds. <i>Open Chemistry</i> , 2019, 17, 788-797.	1.9	3
16	Lala clam (<i>Orbicularia orbiculata</i>) shell as an eco-friendly adsorbent for Cd(II), Cu(II) and Pb(II) ions. <i>Arab Journal of Basic and Applied Sciences</i> , 2019, 26, 462-475.	2.1	7
17	Synthesis, characterization and application of gelatin-carboxymethyl cellulose blend films for preservation of cherry tomatoes and grapes. <i>Journal of Food Science and Technology</i> , 2019, 56, 3099-3108.	2.8	42
18	A review of optimum conditions of transesterification process for biodiesel production from various feedstocks. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2481-2502.	3.5	18

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19	Synthesis and characterization of thymol-loaded lauryl glycol chitosan for pesticide formulation. <i>Journal of Physics: Conference Series</i> , 2019, 1397, 012026.	0.4	2
20	Biodiesel from black soldier fly larvae grown on restaurant kitchen waste. <i>Environmental Chemistry Letters</i> , 2019, 17, 1143-1150.	16.2	27
21	Synthesis, characterisation and potential application of deoxycholic acid carboxymethyl chitosan as a carrier agent for rotenone. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	9
22	Optimisation of biodiesel production of Black Soldier Fly larvae rearing on restaurant kitchen waste. <i>Journal of Physics: Conference Series</i> , 2018, 1097, 012052.	0.4	10
23	Deoxycholic acid-glycol chitosan as a potential carrier agent for botanical pesticide rotenone. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46855.	2.6	5
24	Chitosan, gelatin and methylcellulose films incorporated with tannic acid for food packaging. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1119-1126.	7.5	103
25	Razor Clam (<i>Ensis directus</i>) Shell as a Low-Cost Adsorbent for Anionic and Cationic Dyes in Aqueous Solutions. <i>International Journal of Environmental Science and Development</i> , 2018, 9, 353-360.	0.6	1
26	Layered hydroxide anion exchanger and their applications related to pesticides: a brief review. <i>Materials Research Innovations</i> , 2017, 21, 129-145.	2.3	13
27	Active biopolymer film based on carboxymethyl cellulose and ascorbic acid for food preservation. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
28	Razor clam (<i>Ensis directus</i>) shell as a low-cost adsorbent for the removal of Congo red and Rhodamine B dyes from aqueous solution. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
29	Removal of methyl orange and methylene blue dyes from aqueous solution using lala clam (<i>Orbicularia orbiculata</i>) shell. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	24
30	Amphiphilic chitosan derivatives as carrier agents for rotenone. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
31	Assessment of heavy metals in water, sediment, <i>Anabas testudineus</i> and <i>Eichhornia crassipes</i> in a former mining pond in Perak, Malaysia. <i>Chemistry and Ecology</i> , 2017, 33, 637-651.	1.6	16
32	N,N-dimethylhexadecyl carboxymethyl chitosan as a potential carrier agent for rotenone. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 263-272.	7.5	29
33	Development of a novel nanocomposite consisting of 3-(4-methoxyphenyl)propionic acid and magnesium layered hydroxide for controlled-release formulation. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 776-797.	2.4	4
34	A review of materials used as carrier agents in pesticide formulations. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2977-2994.	3.5	106
35	Oleoyl-carboxymethyl chitosan as a new carrier agent for the rotenone pesticide. <i>Environmental Chemistry Letters</i> , 2016, 14, 417-422.	16.2	6
36	Square wave anodic stripping voltammetry of copper(II) at a MWCNT paste electrode modified with a tetracarbonylmolybdenum(0) nanocomposite. <i>Mikrochimica Acta</i> , 2016, 183, 1441-1448.	5.0	11

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37	Application of Kenaf Bast Fiber to Adsorb Cu(II), Pb(II) and Zn(II) in Aqueous Solution: Single- and Multi-metal Systems. <i>International Journal of Environmental Science and Development</i> , 2016, 7, 715-723.	0.6	10
38	Amorphous Al-Cu alloy nanowires decorated with carbon spheres synthesised from waste engine oil. <i>Journal of Alloys and Compounds</i> , 2015, 642, 111-116.	5.5	6
39	Synthesis of carbon nanofibres from waste chicken fat for field electron emission applications. <i>Materials Research Bulletin</i> , 2015, 70, 524-529.	5.2	15
40	Enhanced field electron emission of flower-like zinc oxide on zinc oxide nanorods grown on carbon nanotubes. <i>Materials Letters</i> , 2015, 149, 66-69.	2.6	15
41	The Effect of Time Interval on Waste Cooking Palm Oil Injection for Carbon Nanotubes Production. <i>Advanced Materials Research</i> , 2015, 1109, 94-98.	0.3	1
42	Economical and Efficient Hybrid Surfactant with Low Fluorine Content for the Stabilisation of Water-in-CO ₂ Microemulsions. <i>Journal of Supercritical Fluids</i> , 2015, 98, 127-136.	3.2	19
43	A Review: Synthesis Methods of Graphene and its Application in Supercapacitor Devices. <i>Advanced Materials Research</i> , 2015, 1109, 40-44.	0.3	6
44	Zinc Oxide/Carbon Nanotubes Nanocomposite: Synthesis Methods and Potential Applications. <i>Advanced Materials Research</i> , 2015, 1109, 45-49.	0.3	2
45	Biodegradation of chitosan and its effect on metal bioavailability. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1919-1930.	5.3	3
46	The effects of application of agricultural wastes to firing range soil on metal accumulation in <i>Ipomoea aquatica</i> and soil metal bioavailability. <i>Chemistry and Ecology</i> , 2015, 31, 622-635.	1.6	2
47	Immobilisation of Cu, Pb and Zn in Scrap Metal Yard Soil Using Selected Waste Materials. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 790-795.	2.7	6
48	Mass Production of Carbon Nanotubes and its Future Applications: A Review. <i>Advanced Materials Research</i> , 2015, 1109, 83-87.	0.3	1
49	Quasi-aligned carbon nanotubes synthesised from waste engine oil. <i>Materials Letters</i> , 2015, 139, 220-223.	2.6	37
50	Synthesis and Characterization of Layered Double Hydroxide-3-(4-Methoxyphenyl) Propionate Nanocomposite. <i>Nano Hybrids</i> , 2014, 8, 39-56.	0.3	2
51	Synthesis and Characterization of Layered-Double Hydroxide 3-(4-Hydroxyphenyl) Propionate Nanocomposite. <i>Nano Hybrids</i> , 2014, 7, 53-67.	0.3	3
52	Preparation of multiwall carbon nanotubes (MWCNTs) stabilised by highly branched hydrocarbon surfactants and dispersed in natural rubber latex nanocomposites. <i>Colloid and Polymer Science</i> , 2014, 292, 3013-3023.	2.1	39
53	Biosorptive removal of Cu(II), Ni(II) and Pb(II) ions from aqueous solutions using coconut dregs residue: Adsorption and characterisation studies. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1912-1919.	6.7	77
54	METAL ACCUMULATION IN <i>LOLIUM PERENNE</i> AND <i>BRASSICA NAPUS</i> AS AFFECTED BY APPLICATION OF CHITOSANS. <i>International Journal of Phytoremediation</i> , 2012, 14, 894-907.	3.1	26

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55	Chitosan as a potential amendment to remediate metal contaminated soil – A characterisation study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 71-80.	5.0	70
56	Adsorption of Cu(II) and Cr(VI) onto Treated <i>Shorea dasyphylla</i> Bark: Isotherm, Kinetics, and Thermodynamic Studies. <i>Separation Science and Technology</i> , 2010, 45, 486-496.	2.5	13
57	<i>Shorea dasyphylla</i> sawdust for humic acid sorption. <i>European Journal of Wood and Wood Products</i> , 2009, 67, 417.	2.9	13
58	Isotherm, kinetic and thermodynamic studies of lead and copper uptake by H ₂ SO ₄ modified chitosan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 257-266.	5.0	105
59	Sorption of acid dyes onto GLA and H ₂ SO ₄ cross-linked chitosan beads. <i>Desalination</i> , 2009, 249, 1180-1189.	8.2	110
60	Adsorption of chromium from aqueous solution using chitosan beads. <i>Adsorption</i> , 2006, 12, 249-257.	3.0	104
61	Equilibrium and kinetics studies of adsorption of copper (II) on chitosan and chitosan/PVA beads. <i>International Journal of Biological Macromolecules</i> , 2004, 34, 155-161.	7.5	294
62	Carbon Nanostructures Production from Waste Materials: A Review. <i>Advanced Materials Research</i> , 0, 1109, 50-54.	0.3	6
63	The Synthesis of Graphene Oxide via Electrochemical Exfoliation Method. <i>Advanced Materials Research</i> , 0, 1109, 55-59.	0.3	14
64	Betel essential oil-loaded lipid-core nanocapsules as mosquito repellent spray formulations for fabric finishes. <i>Journal of the Textile Institute</i> , 0, , 1-12.	1.9	0