Azlan Kamari

List of Publications by Year
in descending order

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64 papers	1,576 citations	394421 19 h-index	315739 38 g-index
64 all docs	64 docs citations	64 times ranked	2048 citing authors

#	Article	IF	Citations
1	Equilibrium and kinetics studies of adsorption of copper (II) on chitosan and chitosan/PVA beads. International Journal of Biological Macromolecules, 2004, 34, 155-161.	7.5	294
2	Sorption of acid dyes onto GLA and H2SO4 cross-linked chitosan beads. Desalination, 2009, 249, 1180-1189.	8.2	110
3	A review of materials used as carrier agents in pesticide formulations. International Journal of Environmental Science and Technology, 2016, 13, 2977-2994.	3.5	106
4	Isotherm, kinetic and thermodynamic studies of lead and copper uptake by H2SO4 modified chitosan. Colloids and Surfaces B: Biointerfaces, 2009, 73, 257-266.	5.0	105
5	Adsorption of chromium from aqueous solution using chitosan beads. Adsorption, 2006, 12, 249-257.	3.0	104
6	Chitosan, gelatin and methylcellulose films incorporated with tannic acid for food packaging. International Journal of Biological Macromolecules, 2018, 120, 1119-1126.	7.5	103
7	Biosorptive removal of Cu(II), Ni(II) and Pb(II) ions from aqueous solutions using coconut dregs residue: Adsorption and characterisation studies. Journal of Environmental Chemical Engineering, 2014, 2, 1912-1919.	6.7	77
8	Chitosan as a potential amendment to remediate metal contaminated soil â€" A characterisation study. Colloids and Surfaces B: Biointerfaces, 2011, 82, 71-80.	5.0	70
9	Synthesis, characterization and application of gelatinâ€“carboxymethyl cellulose blend films for preservation of cherry tomatoes and grapes. Journal of Food Science and Technology, 2019, 56, 3099-3108.	2.8	42
10	Preparation of multiwall carbon nanotubes (MWCNTs) stabilised by highly branched hydrocarbon surfactants and dispersed in natural rubber latex nanocomposites. Colloid and Polymer Science, 2014, 292, 3013-3023.	2.1	39
11	Quasi-aligned carbon nanotubes synthesised from waste engine oil. Materials Letters, 2015, 139, 220-223.	2.6	37
12	N,N-dimethylhexadecyl carboxymethyl chitosan as a potential carrier agent for rotenone. International Journal of Biological Macromolecules, 2016, 88, 263-272.	7.5	29
13	Nanoflower-like composites of ZnO/SiO2 synthesized using bamboo leaves ash as reusable photocatalyst. Arabian Journal of Chemistry, 2021, 14, 102973.	4.9	28
14	Biodiesel from black soldier fly larvae grown on restaurant kitchen waste. Environmental Chemistry Letters, 2019, 17, 1143-1150.	16.2	27
15	METAL ACCUMULATION INLOLIUM PERENNEANDBRASSICA NAPUSAS AFFECTED BY APPLICATION OF CHITOSANS. International Journal of Phytoremediation, 2012, 14, 894-907.	3.1	26
16	Removal of methyl orange and methylene blue dyes from aqueous solution using lala clam (Orbicularia orbiculata) shell. AIP Conference Proceedings, 2017, , .	0.4	24
17	Mechanistic insight into the adsorption and photocatalytic activity of a magnetically separable Î³-Fe2O3/Montmorillonite nanocomposite for rhodamine B removal. Chemical Physics Letters, 2022, 792, 139410.	2.6	22
18	Chitosan-graphene oxide nanocomposites as water-solubilising agents for rotenone pesticide. Journal of Molecular Liquids, 2020, 318, 114066.	4.9	21

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19	Economical and Efficient Hybrid Surfactant with Low Fluorine Content for the Stabilisation of Water-in-CO2 Microemulsions. Journal of Supercritical Fluids, 2015, 98, 127-136.	3.2	19
20	A review of nano-based materials used as flocculants for water treatment. International Journal of Environmental Science and Technology, 2020, 17, 3571-3594.	3.5	19
21	A review of optimum conditions of transesterification process for biodiesel production from various feedstocks. International Journal of Environmental Science and Technology, 2019, 16, 2481-2502.	3.5	18
22	Sonocatalytic degradation of rhodamine B using tin oxide/ montmorillonite. Journal of Water Process Engineering, 2020, 37, 101418.	5.6	18
23	Assessment of heavy metals in water, sediment, Anabas testudineus and Eichhornia crassipes in a former mining pond in Perak, Malaysia. Chemistry and Ecology, 2017, 33, 637-651.	1.6	16
24	Synthesis of carbon nanofibres from waste chicken fat for field electron emission applications. Materials Research Bulletin, 2015, 70, 524-529.	5.2	15
25	Enhanced field electron emission of flower-like zinc oxide on zinc oxide nanorods grown on carbon nanotubes. Materials Letters, 2015, 149, 66-69.	2.6	15
26	The Synthesis of Graphene Oxide via Electrochemical Exfoliation Method. Advanced Materials Research, 0, 1109, 55-59.	0.3	14
27	Shorea dasyphylla sawdust for humic acid sorption. European Journal of Wood and Wood Products, 2009, 67, 417.	2.9	13
28	Adsorption of Cu(II) and Cr(VI) onto TreatedShorea dasyphyllaBark: Isotherm, Kinetics, and Thermodynamic Studies. Separation Science and Technology, 2010, 45, 486-496.	2.5	13
29	Layered hydroxide anion exchanger and their applications related to pesticides: a brief review. Materials Research Innovations, 2017, 21, 129-145.	2.3	13
30	Square wave anodic stripping voltammetry of copper(II) at a MWCNT paste electrode modified with a tetracarbonylmolybdenum(0) nanocomposite. Mikrochimica Acta, 2016, 183, 1441-1448.	5.0	11
31	Optimisation of biodiesel production of Black Soldier Fly larvae rearing on restaurant kitchen waste. Journal of Physics: Conference Series, 2018, 1097, 012052.	0.4	10
32	Application of Kenaf Bast Fiber to Adsorb Cu(II), Pb(II) and Zn(II) in Aqueous Solution: Single- and Multi-metal Systems. International Journal of Environmental Science and Development, 2016, 7, 715-723.	0.6	10
33	Synthesis, characterisation and potential application of deoxycholic acid carboxymethyl chitosan as a carrier agent for rotenone. Journal of Polymer Research, 2018, 25, 1.	2.4	9
34	Lala clam (Orbicularia orbiculata) shell as an eco-friendly adsorbent for Cd(II), Cu(II) and Pb(II) ions. Arab Journal of Basic and Applied Sciences, 2019, 26, 462-475.	2.1	7
35	Carbon Nanostructures Production from Waste Materials: A Review. Advanced Materials Research, 0, 1109, 50-54.	0.3	6
36	Amorphous Alâ€“Cu alloy nanowires decorated with carbon spheres synthesised from waste engine oil. Journal of Alloys and Compounds, 2015, 642, 111-116.	5.5	6

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37	A Review: Synthesis Methods of Graphene and its Application in Supercapacitor Devices. Advanced Materials Research, 2015, 1109, 40-44.	0.3	6
38	Immobilisation of Cu, Pb and Zn in Scrap Metal Yard Soil Using Selected Waste Materials. Bulletin of Environmental Contamination and Toxicology, 2015, 95, 790-795.	2.7	6
39	Oleoyl-carboxymethyl chitosan as a new carrier agent for the rotenone pesticide. Environmental Chemistry Letters, 2016, 14, 417-422.	16.2	6
40	N-octyl chitosan derivatives as amphiphilic carrier agents for herbicide formulations. Open Chemistry, 2019, 17, 365-380.	1.9	6
41	Physicochemical and photocatalytic activity of hematite/biochar nanocomposite prepared from Salacca skin waste. Sustainable Chemistry and Pharmacy, 2020, 16, 100261.	3.3	6
42	Nâ€deoxycholic acidâ€Oâ€glycol chitosan as a potential carrier agent for botanical pesticide rotenone. Journal of Applied Polymer Science, 2018, 135, 46855.	2.6	5
43	Optimisation of carbohydrate, lipid and biomass productivity inTetradesmus obliquususing response surface methodology. Biofuels, 2021, 12, 807-816.	2.4	5
44	Fe₃O₄@SiO₂ nanoflakes synthesized using biogenic silica from Salacca zalacca leaf ash and the mechanistic insight into adsorption and photocatalytic wet peroxidation of dye. Green Processing and Synthesis, 2022, 11, 345-360.	3.4	5
45	Development of a novel nanocomposite consisting of 3-(4-methoxyphenyl)propionic acid and magnesium layered hydroxide for controlled-release formulation. Journal of Experimental Nanoscience, 2016, 11, 776-797.	2.4	4
46	Longer mosquito control using a sodium alginateâ€“chitosan nanocarrier for cinnamaldehyde in larvicide formulations. Environmental Chemistry Letters, 2020, 18, 1345-1351.	16.2	4
47	Synthesis and Characterization of Layered-Double Hydroxide 3-(4-Hydroxyphenyl) Propionate Nanocomposite. Nano Hybrids, 2014, 7, 53-67.	0.3	3
48	Biodegradation of chitosan and its effect on metal bioavailability. Environmental Science and Pollution Research, 2015, 22, 1919-1930.	5.3	3
49	Antimalarial Activity of Andrographis Paniculata Nessâ€˜s N-hexane Extract and Its Major Compounds. Open Chemistry, 2019, 17, 788-797.	1.9	3
50	Synthesis and Characterization of Layered Double Hydroxide-3-(4-Methoxyphenyl) Propionate Nanocomposite. Nano Hybrids, 2014, 8, 39-56.	0.3	2
51	Zinc Oxide/Carbon Nanotubes Nanocomposite: Synthesis Methods and Potential Applications. Advanced Materials Research, 2015, 1109, 45-49.	0.3	2
52	The effects of application of agricultural wastes to firing range soil on metal accumulation inIpomoea aquaticaand soil metal bioavailability. Chemistry and Ecology, 2015, 31, 622-635.	1.6	2
53	Amphiphilic chitosan derivatives as carrier agents for rotenone. AIP Conference Proceedings, 2017, , .	0.4	2
54	Synthesis and characterization of thymol-loaded lauryl glycol chitosan for pesticide formulation. Journal of Physics: Conference Series, 2019, 1397, 012026.	0.4	2

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55	The Effect of Time Interval on Waste Cooking Palm Oil Injection for Carbon Nanotubes Production. Advanced Materials Research, 2015, 1109, 94-98.	0.3	1
56	Mass Production of Carbon Nanotubes and its Future Applications: A Review. Advanced Materials Research, 2015, 1109, 83-87.	0.3	1
57	Active biopolymer film based on carboxymethyl cellulose and ascorbic acid for food preservation. AIP Conference Proceedings, 2017, , .	0.4	1
58	Razor clam (Ensis directus) shell as a low-cost adsorbent for the removal of Congo red and Rhodamine B dyes from aqueous solution. AIP Conference Proceedings, 2017, , .	0.4	1
59	Alkyl glycol chitosan derivatives for encapsulation and controlled release of rotenone. AIP Conference Proceedings, 2021, , .	0.4	1
60	Razor Clam (Ensis directus) Shell as a Low-Cost Adsorbent for Anionic and Cationic Dyes in Aqueous Solutions. International Journal of Environmental Science and Development, 2018, 9, 353-360.	0.6	1
61	OPTIMISATION OF BIOMASS, LIPID AND CARBOHYDRATE PRODUCTIVITIES IN Chlorella vulgaris FOR BIOFUEL PRODUCTION. Jurnal Teknologi (Sciences and Engineering), 2022, 84, 47-57.	0.4	1
62	Gellan gum and pectin-functionalised magnetic graphene oxide nanocomposites as nanocarriers for permethrin to control mosquito larvae. Polymer Bulletin, 2023, 80, 5501-5527.	3.3	1
63	Betel essential oil-loaded lipid-core nanocapsules as mosquito repellent spray formulations for fabric finishes. Journal of the Textile Institute, 0, , 1-12.	1.9	0
64	Isolation of Nanocellulose from Aquatic Wetland Plant-Eleocharis dulcis. Asian Journal of Chemistry, 2022, 34, 1513-1516.	0.3	0