

Muhammad Raziq Rahimi Kooh

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,435
citations

279798

23
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Water remediation using low cost adsorbent walnut shell for removal of malachite green: Equilibrium, kinetics, thermodynamic and regeneration studies. Journal of Environmental Chemical Engineering, 2014, 2, 1434-1444.	6.7	185
2	Application of Casuarina equisetifolia needle for the removal of methylene blue and malachite green dyes from aqueous solution. AEJ - Alexandria Engineering Journal, 2015, 54, 1253-1263.	6.4	101
3	Perfect Dual-Band Absorber Based on Plasmonic Effect with the Cross-Hair/Nanorod Combination. Nanomaterials, 2020, 10, 493.	4.1	66
4	The removal of rhodamine B dye from aqueous solution using <i>Casuarina equisetifolia</i> needles as adsorbent. Cogent Environmental Science, 2016, 2, 1140553.	1.6	65
5	Highly Sensitive and Tunable Plasmonic Sensor Based on a Nanoring Resonator with Silver Nanorods. Nanomaterials, 2020, 10, 1399.	4.1	65
6	Ultrawide Bandgap and High Sensitivity of a Plasmonic Metal-Insulator-Metal Waveguide Filter with Cavity and Baffles. Nanomaterials, 2020, 10, 2030.	4.1	59
7	Machine learning approaches to predict adsorption capacity of <i>Azolla pinnata</i> in the removal of methylene blue. Journal of the Taiwan Institute of Chemical Engineers, 2022, 132, 104134.	5.3	57
8	Plasmonic refractive index sensor based on the combination of rectangular and circular resonators including baffles. Chinese Journal of Physics, 2021, 71, 286-299.	3.9	50
9	Batch adsorption studies of the removal of methyl violet 2B by soya bean waste: isotherm, kinetics and artificial neural network modelling. Environmental Earth Sciences, 2016, 75, 1.	2.7	47
10	Combined experimental and DFT/TDDFT study of photo-active constituents of <i>Canarium odontophyllum</i> for DSSC application. Chemical Physics Letters, 2013, 585, 121-127.	2.6	46
11	Significantly enhanced coupling effect and gap plasmon resonance in a MIM-cavity based sensing structure. Scientific Reports, 2021, 11, 18515.	3.3	45
12	Separation of toxic rhodamine B from aqueous solution using an efficient low-cost material, <i>Azolla pinnata</i> , by adsorption method. Environmental Monitoring and Assessment, 2016, 188, 108.	2.7	43
13	<i>Azolla pinnata</i> : An Efficient Low Cost Material for Removal of Methyl Violet 2B by Using Adsorption Method. Waste and Biomass Valorization, 2015, 6, 547-559.	3.4	40
14	Batch Adsorption Studies on the Removal of Acid Blue 25 from Aqueous Solution Using <i>Azolla pinnata</i> and Soya Bean Waste. Arabian Journal for Science and Engineering, 2016, 41, 2453-2464.	1.1	38
15	Removal of Methyl Violet 2B from Aqueous Solution Using <i>Casuarina equisetifolia</i> Needle. ISRN Environmental Chemistry, 2013, 2013, 1-8.	0.9	37
16	The Use of <i>Gigantochloa</i> Bamboo-Derived Biochar for the Removal of Methylene Blue from Aqueous Solution. Adsorption Science and Technology, 2022, 2022, .	3.2	36
17	Remediation of Rhodamine B Dye from Aqueous Solution Using <i>Casuarina equisetifolia</i> Cone Powder as a Low-Cost Adsorbent. Advances in Physical Chemistry, 2016, 2016, 1-7.	2.0	31
18	Removal of the methyl violet 2B dye from aqueous solution using sustainable adsorbent <i>Artocarpus odoratissimus</i> stem axis. Applied Water Science, 2017, 7, 3573-3581.	5.6	30

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19	Improved Refractive Index-Sensing Performance of Multimode Fano-Resonance-Based Metal-Insulator-Metal Nanostructures. <i>Nanomaterials</i> , 2021, 11, 2097.	4.1	30
20	Efficient adsorption of malachite green dye using <i>Artocarpus odoratissimus</i> leaves with artificial neural network modelling. , 0, 101, 313-324.		30
21	Jackfruit seed as low-cost adsorbent for removal of malachite green: artificial neural network and random forest approaches. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	28
22	Separation of acid blue 25 from aqueous solution using water lettuce and agro-wastes by batch adsorption studies. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	28
23	DFT/TDDFT and Experimental Studies of Natural Pigments Extracted from Black Tea Waste for DSSC Application. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-8.	2.5	26
24	Phytoextraction potential of water fern (<i>Azolla pinnata</i>) in the removal of a hazardous dye, methyl violet 2B: Artificial neural network modelling. <i>International Journal of Phytoremediation</i> , 2018, 20, 424-431.	3.1	25
25	Effective and Simple NaOH-Modification Method to Remove Methyl Violet Dye via <i>Ipomoea aquatica</i> Roots. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-12.	3.2	25
26	Removal of methyl violet 2B dye from aqueous solution using <i>Nepenthes rafflesiana</i> pitcher and leaves. <i>Applied Water Science</i> , 2017, 7, 3859-3868.	5.6	24
27	Batch adsorption studies on the removal of malachite green from water by chemically modified <i>Azolla pinnata</i> . <i>Desalination and Water Treatment</i> , 2016, 57, 14632-14646.	1.0	22
28	Ultrahigh Sensitivity of a Plasmonic Pressure Sensor with a Compact Size. <i>Nanomaterials</i> , 2021, 11, 3147.	4.1	19
29	Copper modified activated bamboo charcoal to enhance adsorption of heavy metals from industrial wastewater. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100562.	2.9	18
30	The Removal of Ruthenium-Based Complexes N3 Dye from DSSC Wastewater Using Copper Impregnated KOH-Activated Bamboo Charcoal. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	17
31	Investigation of the sorption characteristics of water lettuce (WL) as a potential low-cost biosorbent for the removal of methyl violet 2B. <i>Desalination and Water Treatment</i> , 2016, 57, 8319-8329.	1.0	14
32	Density functional theory (DFT) and time - dependent density functional theory (TDDFT) studies of selected ancient colourants as sensitizers in dye-sensitized solar cells. <i>Journal of the National Science Foundation of Sri Lanka</i> , 2014, 42, 169.	0.2	14
33	Mid infrared sensing structure based on a metal-insulator-metal waveguides with a triangular-shaped resonator. <i>Optics Communications</i> , 2022, 516, 128282.	2.1	14
34	Aquatic plant, <i>Ipomoea aquatica</i> , as a potential low-cost adsorbent for the effective removal of toxic methyl violet 2B dye. <i>Applied Water Science</i> , 2020, 10, 1.	5.6	13
35	Environmentally friendly adsorbent derived from rock melon skin for effective removal of toxic brilliant green dye: linear versus non-linear analyses. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4904-4923.	3.3	12
36	Surface modification of <i>Artocarpus odoratissimus</i> leaves using NaOH, SDS and EDTA to enhance adsorption of toxic crystal violet dye. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1836-1854.	3.3	9

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37	Phytoextraction capability of <i>Azolla pinnata</i> in the removal of rhodamine B from aqueous solution: artificial neural network and random forests approaches. <i>Applied Water Science</i> , 2019, 9, 1.	5.6	8
38	Theoretical Study of CO Adsorption Interactions with Cr-Doped Tungsten Oxide/Graphene Composites for Gas Sensor Application. <i>ACS Omega</i> , 2022, 7, 528-539.	3.5	8
39	A Theoretical Insight of Cr Dopant in Tungsten Oxide for Gas Sensor Application. <i>Materials Today Communications</i> , 2021, 28, 102508.	1.9	6
40	Preparation and Evaluation of <i>Acetabularia</i> -Modified Carbon Paste Electrode in Anodic Stripping Voltammetry of Copper and Lead Ions. <i>Journal of Chemistry</i> , 2013, 2013, 1-9.	1.9	2
41	Resonant enhancement of photoluminescence from dye molecules in lithium niobate substrate using photoinduced silver deposition with concentration dependence. <i>Results in Physics</i> , 2022, 39, 105751.	4.1	2