Muhammad Raziq Rahimi Kooh

List of Publications by Year
in descending order

41	1,435	279487	344852
papers	citations	23	36
		h-index	g-index

41	41	41	1038
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface modification of *Artocarpus odoratissimus* leaves using NaOH, SDS and EDTA to enhance adsorption of toxic crystal violet dye. International Journal of Environmental Analytical Chemistry, 2023, 103, 1836-1854.	1.8	9
2	Environmentally friendly adsorbent derived from rock melon skin for effective removal of toxic brilliant green dye: linear versus non-linear analyses. International Journal of Environmental Analytical Chemistry, 2023, 103, 4904-4923.	1.8	12
3	Machine learning approaches to predict adsorption capacity of Azolla pinnata in the removal of methylene blue. Journal of the Taiwan Institute of Chemical Engineers, 2022, 132, 104134.	2.7	57
4	The Use of *Gigantochloa* Bamboo-Derived Biochar for the Removal of Methylene Blue from Aqueous Solution. Adsorption Science and Technology, 2022, 2022, .	1.5	36
5	Mid infrared sensing structure based on a metal–insulator–metal waveguides with a triangular-shaped resonator. Optics Communications, 2022, 516, 128282.	1.0	14
6	Theoretical Study of CO Adsorption Interactions with Cr-Doped Tungsten Oxide/Graphene Composites for Gas Sensor Application. ACS Omega, 2022, 7, 528-539.	1.6	8
7	Resonant enhancement of photoluminescence from dye molecules in lithium niobate substrate using photoinduced silver deposition with concentration dependence. Results in Physics, 2022, 39, 105751.	2.0	2
8	Plasmonic refractive index sensor based on the combination of rectangular and circular resonators including baffles. Chinese Journal of Physics, 2021, 71, 286-299.	2.0	50
9	Improved Refractive Index-Sensing Performance of Multimode Fano-Resonance-Based Metal-Insulator-Metal Nanostructures. Nanomaterials, 2021, 11, 2097.	1.9	30
10	The Removal of Ruthenium-Based Complexes N3 Dye from DSSC Wastewater Using Copper Impregnated KOH-Activated Bamboo Charcoal. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	17
11	A Theoretical Insight of Cr Dopant in Tungsten Oxide for Gas Sensor Application. Materials Today Communications, 2021, 28, 102508.	0.9	6
12	Significantly enhanced coupling effect and gap plasmon resonance in a MIM-cavity based sensing structure. Scientific Reports, 2021, 11, 18515.	1.6	45
13	Copper modified activated bamboo charcoal to enhance adsorption of heavy metals from industrial wastewater. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100562.	1.7	18
14	Effective and Simple NaOH-Modification Method to Remove Methyl Violet Dye via Ipomoea aquatica Roots. Adsorption Science and Technology, 2021, 2021, 1-12.	1.5	25
15	Ultrahigh Sensitivity of a Plasmonic Pressure Sensor with a Compact Size. Nanomaterials, 2021, 11, 3147.	1.9	19
16	Highly Sensitive and Tunable Plasmonic Sensor Based on a Nanoring Resonator with Silver Nanorods. Nanomaterials, 2020, 10, 1399.	1.9	65
17	Ultrawide Bandgap and High Sensitivity of a Plasmonic Metal-Insulator-Metal Waveguide Filter with Cavity and Baffles. Nanomaterials, 2020, 10, 2030.	1.9	59
18	Aquatic plant, Ipomoea aquatica, as a potential low-cost adsorbent for the effective removal of toxic methyl violet 2B dye. Applied Water Science, 2020, 10, 1.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Perfect Dual-Band Absorber Based on Plasmonic Effect with the Cross-Hair/Nanorod Combination. Nanomaterials, 2020, 10, 493.	1.9	66
20	Phytoextraction capability of Azolla pinnata in the removal of rhodamine B from aqueous solution: artificial neural network and random forests approaches. Applied Water Science, 2019, 9, 1.	2.8	8
21	Phytoextraction potential of water fern (<i>Azolla pinnata</i>) in the removal of a hazardous dye, methyl violet 2B: Artificial neural network modelling. International Journal of Phytoremediation, 2018, 20, 424-431.	1.7	25
22	Jackfruit seed as low-cost adsorbent for removal of malachite green: artificial neural network and random forest approaches. Environmental Earth Sciences, 2018, 77, 1.	1.3	28
23	Separation of acid blue 25 from aqueous solution using water lettuce and agro-wastes by batch adsorption studies. Applied Water Science, 2018, 8, 1.	2.8	28
24	Removal of methyl violet 2B dye from aqueous solution using Nepenthes rafflesiana pitcher and leaves. Applied Water Science, 2017, 7, 3859-3868.	2.8	24
25	Removal of the methyl violet 2B dye from aqueous solution using sustainable adsorbent Artocarpus odoratissimus stem axis. Applied Water Science, 2017, 7, 3573-3581.	2.8	30
26	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
27	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.	1.3	47
28	Separation of toxic rhodamine B from aqueous solution using an efficient low-cost material, Azolla pinnata, by adsorption method. Environmental Monitoring and Assessment, 2016, 188, 108.	1.3	43
29	Batch Adsorption Studies on the Removal of Acid Blue 25 from Aqueous Solution Using Azolla pinnata and Soya Bean Waste. Arabian Journal for Science and Engineering, 2016, 41, 2453-2464.	1.1	38
30	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
31	Batch adsorption studies on the removal of malachite green from water by chemicallyÂmodified <i>Azolla pinnata</i>. Desalination and Water Treatment, 2016, 57, 14632-14646.	1.0	22
32	Investigation of the sorption characteristics of water lettuce (WL) as a potential low-cost biosorbent for the removal of methyl violet 2B. Desalination and Water Treatment, 2016, 57, 8319-8329.	1.0	14
33	Azolla pinnata: An Efficient Low Cost Material for Removal of Methyl Violet 2B by Using Adsorption Method. Waste and Biomass Valorization, 2015, 6, 547-559.	1.8	40
34	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.	3.4	101
35	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.	3.3	185
36	Density functional theory (DFT) and time - dependent density functional theory (TDDFT) studies of selected ancient colourants as sensitizers in dye-sensitized solar cells. Journal of the National Science Foundation of Sri Lanka, 2014, 42, 169.	0.1	14

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37	Combined experimental and DFT–TDDFT study of photo-active constituents of Canarium odontophyllum for DSSC application. Chemical Physics Letters, 2013, 585, 121-127.	1.2	46
38	DFT/TDDFT and Experimental Studies of Natural Pigments Extracted from Black Tea Waste for DSSC Application. International Journal of Photoenergy, 2013, 2013, 1-8.	1.4	26
39	Preparation and Evaluation ofAcetabularia-Modified Carbon Paste Electrode in Anodic Stripping Voltammetry of Copper and Lead Ions. Journal of Chemistry, 2013, 2013, 1-9.	0.9	2
40	Removal of Methyl Violet 2B from Aqueous Solution Using *Casuarina equisetifolia* Needle. ISRN Environmental Chemistry, 2013, 2013, 1-8.	0.9	37
41	Efficient adsorption of malachite green dye using Artocarpus odoratissimus leaves with artificial neural network modelling. , 0, 101, 313-324.		30