

Fahad Usman

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

552
citations

840776
11
h-index

839539
18
g-index

20
all docs

20
docs citations

20
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of technical advances of recent palm bio-waste conversion to activated carbon for energy storage. Journal of Cleaner Production, 2019, 229, 1427-1442.	9.3	142
2	Synthesis and characterisation of a ternary composite of polyaniline, reduced graphene-oxide and chitosan with reduced optical band gap and stable aqueous dispersibility. Results in Physics, 2019, 15, 102690.	4.1	56
3	State of the Art and New Directions on Electrospun Lignin/Cellulose Nanofibers for Supercapacitor Application: A Systematic Literature Review. Polymers, 2020, 12, 2884.	4.5	52
4	A Review of Biosensors for Non-Invasive Diabetes Monitoring and Screening in Human Exhaled Breath. IEEE Access, 2019, 7, 5963-5974.	4.2	48
5	Thermoluminescence response of rare earth activated zinc lithium borate glass. Radiation Physics and Chemistry, 2018, 144, 413-418.	2.8	45
6	Comparative analysis of physiochemical properties of physically activated carbon from palm bio-waste. Journal of Materials Research and Technology, 2019, 8, 3688-3695.	5.8	37
7	Boron-Doped Reduced Graphene Oxide with Tunable Bandgap and Enhanced Surface Plasmon Resonance. Molecules, 2020, 25, 3646.	3.8	30
8	Enhanced Sensitivity of Surface Plasmon Resonance Biosensor Functionalized with Doped Polyaniline Composites for the Detection of Low-Concentration Acetone Vapour. Journal of Sensors, 2019, 2019, 1-13.	1.1	24
9	Structural characterization and optical constants of p-toluene sulfonic acid doped polyaniline and its composites of chitosan and reduced graphene-oxide. Journal of Materials Research and Technology, 2020, 9, 1468-1476.	5.8	24
10	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-K ₂ CO ₃ -SiO ₂ Composite. Polymers, 2021, 13, 92.	4.5	22
11	Plasmonic Biosensors for the Detection of Lung Cancer Biomarkers: A Review. Chemosensors, 2021, 9, 326.	3.6	19
12	Electromagnetically Modified Wettability and Interfacial Tension of Hybrid ZnO/SiO ₂ Nanofluids. Crystals, 2022, 12, 169.	2.2	13
13	Investigation of Acetone Vapour Sensing Properties of a Ternary Composite of Doped Polyaniline, Reduced Graphene Oxide and Chitosan Using Surface Plasmon Resonance Biosensor. Polymers, 2020, 12, 2750.	4.5	9
14	Preparation and characterization of gel polymer electrolyte based on PVA-K ₂ CO ₃ . Polymer-Plastics Technology and Materials, 2020, 59, 1679-1697.	1.3	8
15	Acetone Vapor-Sensing Properties of Chitosan-Polyethylene Glycol Using Surface Plasmon Resonance Technique. Polymers, 2020, 12, 2586.	4.5	7
16	Dependence of the Optical Constant Parameters of p-Toluene Sulfonic Acid-Doped Polyaniline and Its Composites on Dispersion Solvents. Molecules, 2020, 25, 4414.	3.8	6
17	Development of a surface plasmon resonance acetone sensor for noninvasive screening and monitoring of diabetes. IOP Conference Series: Materials Science and Engineering, 2018, 383, 012024.	0.6	5
18	Effect of annealing temperature on the rheological property of ZnO/SiO ₂ nanocomposites for Enhanced Oil Recovery. Materials Today: Proceedings, 2022, 48, 905-910.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Investigation of Adsorption behaviour of Acetone Vapour towards a Surface Plasmon Resonance Sensing Layer using Adsorption Isotherm Models. IOP Conference Series: Materials Science and Engineering, 2021, 1092, 012054.	0.6	0