

Fahad Usman

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

552
citations

949033

11
h-index

939365

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g-index

20
all docs

20
docs citations

20
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of annealing temperature on the rheological property of ZnO/SiO ₂ nanocomposites for Enhanced Oil Recovery. <i>Materials Today: Proceedings</i> , 2022, 48, 905-910.	0.9	5
2	Electromagnetically Modified Wettability and Interfacial Tension of Hybrid ZnO/SiO ₂ Nanofluids. <i>Crystals</i> , 2022, 12, 169.	1.0	13
3	Investigation of Adsorption behaviour of Acetone Vapour towards a Surface Plasmon Resonance Sensing Layer using Adsorption Isotherm Models. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1092, 012054.	0.3	0
4	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-K ₂ CO ₃ -SiO ₂ Composite. <i>Polymers</i> , 2021, 13, 92.	2.0	22
5	Plasmonic Biosensors for the Detection of Lung Cancer Biomarkers: A Review. <i>Chemosensors</i> , 2021, 9, 326.	1.8	19
6	Structural characterization and optical constants of p-toluene sulfonic acid doped polyaniline and its composites of chitosan and reduced graphene-oxide. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1468-1476.	2.6	24
7	Dependence of the Optical Constant Parameters of p-Toluene Sulfonic Acid-Doped Polyaniline and Its Composites on Dispersion Solvents. <i>Molecules</i> , 2020, 25, 4414.	1.7	6
8	Investigation of Acetone Vapour Sensing Properties of a Ternary Composite of Doped Polyaniline, Reduced Graphene Oxide and Chitosan Using Surface Plasmon Resonance Biosensor. <i>Polymers</i> , 2020, 12, 2750.	2.0	9
9	State of the Art and New Directions on Electrospun Lignin/Cellulose Nanofibers for Supercapacitor Application: A Systematic Literature Review. <i>Polymers</i> , 2020, 12, 2884.	2.0	52
10	Acetone Vapor-Sensing Properties of Chitosan-Polyethylene Glycol Using Surface Plasmon Resonance Technique. <i>Polymers</i> , 2020, 12, 2586.	2.0	7
11	Boron-Doped Reduced Graphene Oxide with Tunable Bandgap and Enhanced Surface Plasmon Resonance. <i>Molecules</i> , 2020, 25, 3646.	1.7	30
12	Preparation and characterization of gel polymer electrolyte based on PVA-K ₂ CO ₃ . <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1679-1697.	0.6	8
13	Comparative analysis of physiochemical properties of physically activated carbon from palm bio-waste. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3688-3695.	2.6	37
14	Synthesis and characterisation of a ternary composite of polyaniline, reduced graphene-oxide and chitosan with reduced optical band gap and stable aqueous dispersibility. <i>Results in Physics</i> , 2019, 15, 102690.	2.0	56
15	A review of technical advances of recent palm bio-waste conversion to activated carbon for energy storage. <i>Journal of Cleaner Production</i> , 2019, 229, 1427-1442.	4.6	142
16	Enhanced Sensitivity of Surface Plasmon Resonance Biosensor Functionalized with Doped Polyaniline Composites for the Detection of Low-Concentration Acetone Vapour. <i>Journal of Sensors</i> , 2019, 2019, 1-13.	0.6	24
17	A Review of Biosensors for Non-Invasive Diabetes Monitoring and Screening in Human Exhaled Breath. <i>IEEE Access</i> , 2019, 7, 5963-5974.	2.6	48
18	Thermoluminescence response of rare earth activated zinc lithium borate glass. <i>Radiation Physics and Chemistry</i> , 2018, 144, 413-418.	1.4	45

#	ARTICLE	IF	CITATIONS
19	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.	0.3	5