

# Fahad Usman

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

552  
citations

840728

11  
h-index

839512

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. <i>Journal of Cleaner Production</i> , 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. <i>Results in Physics</i> , 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. <i>Polymers</i> , 2020, 12, 2884.	4.5	52
4	A Review of Biosensors for Non-Invasive Diabetes Monitoring and Screening in Human Exhaled Breath. <i>IEEE Access</i> , 2019, 7, 5963-5974.	4.2	48
5	Thermoluminescence response of rare earth activated zinc lithium borate glass. <i>Radiation Physics and Chemistry</i> , 2018, 144, 413-418.	2.8	45
6	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.	5.8	37
7	Boron-Doped Reduced Graphene Oxide with Tunable Bandgap and Enhanced Surface Plasmon Resonance. <i>Molecules</i> , 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. <i>Journal of Sensors</i> , 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. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1468-1476.	5.8	24
10	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-K <sub>2</sub> CO <sub>3</sub> -SiO <sub>2</sub> Composite. <i>Polymers</i> , 2021, 13, 92.	4.5	22
11	Plasmonic Biosensors for the Detection of Lung Cancer Biomarkers: A Review. <i>Chemosensors</i> , 2021, 9, 326.	3.6	19
12	Electromagnetically Modified Wettability and Interfacial Tension of Hybrid ZnO/SiO <sub>2</sub> Nanofluids. <i>Crystals</i> , 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. <i>Polymers</i> , 2020, 12, 2750.	4.5	9
14	Preparation and characterization of gel polymer electrolyte based on PVA-K <sub>2</sub> CO <sub>3</sub> . <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1679-1697.	1.3	8
15	Acetone Vapor-Sensing Properties of Chitosan-Polyethylene Glycol Using Surface Plasmon Resonance Technique. <i>Polymers</i> , 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. <i>Molecules</i> , 2020, 25, 4414.	3.8	6
17	Development of a surface plasmon resonance acetone sensor for noninvasive screening and monitoring of diabetes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 383, 012024.	0.6	5
18	Effect of annealing temperature on the rheological property of ZnO/SiO <sub>2</sub> nanocomposites for Enhanced Oil Recovery. <i>Materials Today: Proceedings</i> , 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