Mohamed Shuaib Mohamed Saheed

List of Publications by Year
in descending order

68 papers	1,165 citations	471061 17 h-index	414034 32 g-index
68 all docs	68 docs citations	68 times ranked	1219 citing authors

#	Article	IF	Citations
1	Effects of solution concentration on the synthesis of polyvinylidene fluoride (PVDF) electrospun nanofibers. Materials Today: Proceedings, 2023, 80, 2119-2124.	0.9	6
2	Gold-Nanohybrid Biosensors for Analyzing Blood Circulating Clinical Biomacromolecules: Current Trend toward Future Remote Digital Monitoring. Critical Reviews in Analytical Chemistry, 2022, 52, 577-592.	1.8	6
3	Thyroglobulin determination on silaneâ€“antibody functionalized interdigitated dielectrode surface to diagnose thyroid tumor. Biotechnology and Applied Biochemistry, 2022, 69, 376-382.	1.4	2
4	Electrospinning research and products: The road and the way forward. Applied Physics Reviews, 2022, 9, .	5.5	50
5	A DFT+U approach: Superior charge transfer characteristics and optoelectronic properties of GQD@TiO2Ârutile (110) surface for improved hydrogen evolution. Surfaces and Interfaces, 2022, 30, 101952.	1.5	4
6	Ultrasensitive aptasensor using electrospun MXene/polyvinylidene fluoride nanofiber composite for Ochratoxin A detection. Food Chemistry, 2022, 390, 133105.	4.2	29
7	An Electrochemical Approach for Ultrasensitive Detection of Zearalenone in Commodity Using Disposable Screen-Printed Electrode Coated with MXene/Chitosan Film. BioNanoScience, 2022, 12, 814-823.	1.5	7
8	First Principle DFT + U Calculations for the Optoelectronic Properties of Cu and C-Cu co-doped TiO2 Anatase Model. Asian Journal of Chemistry, 2022, 34, 1863-1868.	0.1	1
9	Optoelectronic Enhancement of Perovskite Solar Cells through the Incorporation of Plasmonic Particles. Micromachines, 2022, 13, 999.	1.4	2
10	Surface-treatment process related sheet resistance variations in graphene-based thin-film electrodes. Surfaces and Interfaces, 2022, 32, 102161.	1.5	3
11	Hollow three-dimensional graphene reinforced with poly (methyl methacrylate) for selective absorption of oil. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 149-155.	1.0	2
12	MXene-Based Aptasensor: Characterization and High-Performance Voltammetry Detection of Deoxynivalenol. BioNanoScience, 2021, 11, 314-323.	1.5	25
13	Green adsorptionâ€“desorption of mixed triclosan, triclocarban, 2-phenylphenol, bisphenol A and 4-tert-octylphenol using MXene encapsulated polypropylene membrane protected micro-solid-phase extraction device in amplifying the HPLC analysis. Microchemical Journal, 2021, 170, 106695.	2.3	13
14	Atomic defects of graphene-carbon nanotubes impact on surface wettability. Applied Surface Science, 2021, 567, 150803.	3.1	6
15	Effect of Nitrogen Doping on the Optical Bandgap and Electrical Conductivity of Nitrogen-Doped Reduced Graphene Oxide. Molecules, 2021, 26, 6424.	1.7	21
16	Detection of Ochratoxin A using Cellulose Acetate Nanofibers Modified with Silver Nanoparticle. , 2021, , .		0
17	Foam-like 3D Graphene as a Charge Transport Modifier in Zinc Oxide Electron Transport Material in Perovskite Solar Cells. Photochem, 2021, 1, 523-536.	1.3	2
18	Physical reduction of graphene oxide for supercapacitive charge storage. Journal of Alloys and Compounds, 2020, 822, 153636.	2.8	36

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19	Phase transformed iron oxide â€“ iron (oxy) hydroxide composite nanoflorets grown on foam-like graphene as a high performing adsorbent. Chemical Engineering Journal, 2020, 388, 124306.	6.6	16
20	Graphene impregnated electrospun nanofiber sensing materials: a comprehensive overview on bridging laboratory set-up to industry. Nano Convergence, 2020, 7, 27.	6.3	52
21	Boron-Doped Reduced Graphene Oxide with Tunable Bandgap and Enhanced Surface Plasmon Resonance. Molecules, 2020, 25, 3646.	1.7	30
22	A Review on Graphene-Based Light Emitting Functional Devices. Molecules, 2020, 25, 4217.	1.7	18
23	Structural and conductivity studies of polyacrylonitrile/methylcellulose blend based electrolytes embedded with lithium iodide. International Journal of Hydrogen Energy, 2020, 45, 19590-19600.	3.8	30
24	Structural changes and band gap tunability with incorporation of n-butylammonium iodide in perovskite thin film. Heliyon, 2020, 6, e03364.	1.4	11
25	Iron nanoflorets on 3D-graphene-nickel: A â€˜Dandelionâ€™ nanostructure for selective deoxynivalenol detection. Biosensors and Bioelectronics, 2020, 154, 112088.	5.3	33
26	Magnetically recoverable magnetite-reduced graphene oxide as a demulsifier for surfactant stabilized crude oil-in-water emulsion. PLoS ONE, 2020, 15, e0232490.	1.1	15
27	Conventional and emerging technologies for removal of antibiotics from wastewater. Journal of Hazardous Materials, 2020, 400, 122961.	6.5	358
28	MXene Surface on Multiple Junction Triangles for Determining Osteosarcoma Cancer Biomarker by Dielectrode Microgap Sensor . International Journal of Nanomedicine, 2020, Volume 15, 10171-10181.	3.3	7
29	An Overview of Unique Metal Oxide Nanostructures for Biosensor Applications. Advanced Structured Materials, 2019, , 51-69.	0.3	1
30	Antimicrobial Property of Biosynthesized Silver Nanoparticles. Advanced Structured Materials, 2019, , 87-101.	0.3	2
31	Novel hydrothermal growth of ZnO/NiO hybrids nanostructures on 3D graphene. Materials Today: Proceedings, 2019, 16, 2408-2413.	0.9	3
32	Hybrid film of single-layer graphene and carbon nanotube as transparent conductive electrode for organic light emitting diode. Synthetic Metals, 2019, 257, 116186.	2.1	22
33	Multiwalled carbon nanotubes and graphene oxide as nano-additives in water-based drilling fluid for enhanced fluid-loss-control & gel strength. AIP Conference Proceedings, 2019, , .	0.3	12
34	Highly hydrophobic 3D graphene-carbon nanotubes composite film for oil absorption. Materials Today: Proceedings, 2019, 16, 1772-1777.	0.9	3
35	Development of janus polymer/carbon nanotubes hybrid membrane for oil-water separation. Materials Today: Proceedings, 2019, 7, 655-660.	0.9	4
36	Highly flexible and stretchable 3D graphene/MXene composite thin film. Materials Today: Proceedings, 2019, 7, 738-743.	0.9	8

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37	Facile synthesis of molybdenum multisulfide composite nanorod arrays from single-source precursor for photoelectrochemical hydrogen generation. Applied Nanoscience (Switzerland), 2019, 9, 1281-1292.	1.6	3
38	Influence of seeding layer on photoelectrochemical hydrogen production over TiO2 nanorod decorated with reduced graphene oxide. Diamond and Related Materials, 2019, 94, 194-202.	1.8	20
39	Microtechnology and Nanotechnology Advancements Toward Bio-Molecular Targeting. , 2019, , 225-251.		2
40	Electrospun Nanofibers for Biosensing Applications. , 2019, , 253-267.		11
41	Formation of quasi-2D layered crystallite using long chain halide to form hybrid perovskite film. , 2018, , .		1
42	Nanoscaled Surface Modification of Poly(dimethylsiloxane) Using Carbon Nanotubes for Enhanced Oil and Organic Solvent Absorption. ACS Omega, 2018, 3, 15907-15915.	1.6	20
43	Effects of solvent ratio on the encapsulation of carbon nanotubes/Arthrospira platensis composite within electrospun poly(methyl methacrylate) nanofiber. Journal of Physics: Conference Series, 2018, 1123, 012013.	0.3	0
44	Polyaniline (PANI)/reduced graphene oxide (rGO) composite as a counter electrode for dye solar cells.. Journal of Physics: Conference Series, 2018, 1123, 012012.	0.3	7
45	Effect on the Formation of Magnetite Reduced Graphene Oxide with Controlled Stirring Duration. MATEC Web of Conferences, 2018, 202, 01003.	0.1	1
46	Gold nanorod embedded novel 3D graphene nanocomposite for selective bio-capture in rapid detection of Mycobacterium tuberculosis. Biosensors and Bioelectronics, 2018, 116, 116-122.	5.3	53
47	Diagnosing human blood clotting deficiency. International Journal of Biological Macromolecules, 2018, 116, 765-773.	3.6	34
48	Mutual effect of extrinsic defects and electronic carbon traps of M-TiO2 (MÂ=ÂV, Co, Ni) nanorod arrays on photoexcited charge extraction of CdS for superior photoelectrochemical activity of hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 14388-14405.	3.8	13
49	Comparison of carbonâ€based nanomaterials characteristics on H13 tool steel. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 198-204.	0.5	4
50	Precursor and pressure dependent 3D graphene: A study on layer formation and type of carbon material. Diamond and Related Materials, 2017, 79, 93-101.	1.8	11
51	DC magnetron sputtered TiO<inf>2</inf> thin film as efficient hole blocking layer for perovskite solar cell. , 2017, , .		1
52	Template-assisted growth of highly oriented 3D graphene pH sensor towards new avenues for biosensor. , 2017, , .		1
53	Synthesis parameters and transfer techniques of mono-few layer graphene for transparent conductive electrode. , 2016, , .		0
54	Highly oriented graphene growth and characterization. AIP Conference Proceedings, 2016, , .	0.3	0

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55	Investigating the performance of nitrogen-doped graphene photoanode in dye-sensitized solar cells. AIP Conference Proceedings, 2016, , .	0.3	0
56	Enhanced photoelectrochemical activity by nanostructured V2O5/TiO2 bilayer. AIP Conference Proceedings, 2016, , .	0.3	1
57	Effect of electrode gap on the sensing properties of multiwalled carbon nanotubes based gas sensor. AIP Conference Proceedings, 2016, , .	0.3	1
58	Novel growth of carbon nanotubes on nickel nanowires. Diamond and Related Materials, 2016, 65, 59-64.	1.8	11
59	Coreâ€“Shell Vanadium Modified Titania@Î²-In₂S₃ Hybrid Nanorod Arrays for Superior Interface Stability and Photochemical Activity. ACS Applied Materials & Interfaces, 2016, 8, 9037-9049.	4.0	69
60	Influence of the electrodeposition potential on the crystallographic structure and effective magnetic easy axis of cobalt nanowires. RSC Advances, 2016, 6, 14266-14272.	1.7	11
61	Stack growth of aligned multiwalled carbon nanotubes using floating catalyst chemical vapor deposition technique. Chemical Physics Letters, 2015, 625, 53-57.	1.2	1
62	Effect of Different Catalyst Deposition Technique on Aligned Multiwalled Carbon Nanotubes Grown by Thermal Chemical Vapor Deposition. Journal of Nanomaterials, 2014, 2014, 1-11.	1.5	8
63	Breakdown voltage reduction by field emission in multi-walled carbon nanotubes based ionization gas sensor. Applied Physics Letters, 2014, 104, .	1.5	26
64	Optimum design of ionization-based gas sensor using vertically aligned multiwalled carbon nanotubes array. Sensors and Actuators B: Chemical, 2014, 199, 232-238.	4.0	9
65	Effect of reaction time on the characteristics of catalytically grown boron nitride nanotubes. , 2014, , .		0
66	Optimization of the Production of Aligned CNTs Array as the Gas Sensing Element. Materials Science Forum, 2013, 756, 156-163.	0.3	6
67	Preparation of the spacer for narrow electrode gap configuration in ionization-based gas sensor. , 2012, , .		0
68	Facile Formation of Interconnected Multi-Walled Carbon Nanotube-Graphene Nanocomposite for Nanoelectronics Applications. Key Engineering Materials, 0, 744, 433-437.	0.4	0