

Syed Mustansar Abbas

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

4,219
citations

279487

23
h-index

174990

52
g-index

58
all docs

58
docs citations

58
times ranked

5885
citing authors

#	ARTICLE	IF	CITATIONS
1	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08004-S08004.	0.5	2,192
2	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 995-1579.	1.4	683
3	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2307-2455.	1.4	136
4	Structure and electrochemical performance of ZnO/CNT composite as anode material for lithium-ion batteries. <i>Journal of Materials Science</i> , 2013, 48, 5429-5436.	1.7	89
5	Synthesis of carbon nanotubes anchored with mesoporous Co ₃ O ₄ nanoparticles as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 105, 481-488.	2.6	89
6	Microwaves absorbing characteristics of metal ferrite/multiwall carbon nanotubes nanocomposites in X-band. <i>Composites Part B: Engineering</i> , 2017, 114, 139-148.	5.9	85
7	Carbon quantum dots from glucose oxidation as a highly competent anode material for lithium and sodium-ion batteries. <i>Electrochimica Acta</i> , 2019, 297, 250-257.	2.6	82
8	Synthesis of highly stable MOF-5@MWCNTs nanocomposite with improved hydrophobic properties. <i>Arabian Journal of Chemistry</i> , 2018, 11, 26-33.	2.3	59
9	Mesoporous silica wrapped with graphene oxide-conducting PANI nanowires as a novel hybrid electrode for supercapacitor. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 113, 220-228.	1.9	47
10	High rate capability and long cycle stability of Cr ₂ O ₃ anode with CNTs for lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 212, 260-269.	2.6	41
11	One-pot synthesis of a composite of monodispersed CuO nanospheres on carbon nanotubes as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2013, 574, 221-226.	2.8	40
12	Interconnected mesoporous Na ₂ FeSiO ₄ nanospheres supported on carbon nanotubes as a highly stable and efficient cathode material for sodium-ion battery. <i>Journal of Power Sources</i> , 2018, 396, 467-475.	4.0	36
13	Modification of carbon nanotubes by CuO-doped NiO nanocomposite for use as an anode material for lithium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2013, 202, 43-50.	1.4	34
14	Review: structural diversity in organotin(IV) dithiocarboxylates and carboxylates. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2217-2234.	0.8	34
15	Superior electrochemical performance of mesoporous Fe ₃ O ₄ /CNT nanocomposites as anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2014, 611, 260-266.	2.8	34
16	Superior shuttling of lithium and sodium ions in manganese-doped titania @ functionalized multiwall carbon nanotube anodes. <i>Nanoscale</i> , 2017, 9, 9859-9871.	2.8	33
17	Fabrication of MoSe ₂ decorated three-dimensional graphene composites structure as a highly stable electrocatalyst for improved hydrogen evolution reaction. <i>Renewable Energy</i> , 2019, 143, 1659-1669.	4.3	32
18	Effect of air annealing on the band gap and optical properties of SnSb ₂ S ₄ thin films for solar cell application. <i>Materials Letters</i> , 2013, 100, 148-151.	1.3	31

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19	MoN-decorated nitrogen doped carbon nanotubes anode with high lithium storage performance. <i>Electrochimica Acta</i> , 2016, 190, 988-996.	2.6	28
20	Mechanistic insights into high lithium storage performance of mesoporous chromium nitride anchored on nitrogen-doped carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017, 327, 361-370.	6.6	28
21	A facile and novel approach towards carboxylic acid functionalization of multiwalled carbon nanotubes and efficient water dispersion. <i>Materials Letters</i> , 2013, 108, 253-256.	1.3	27
22	Facile synthesis of carbon nanotubes supported NiO nanocomposite and its high performance as lithium-ion battery anode. <i>Materials Letters</i> , 2013, 107, 158-161.	1.3	27
23	Synthesis, spectroscopy, single crystal XRD and biological studies of multinuclear organotin dicarboxylates. <i>Polyhedron</i> , 2016, 117, 64-72.	1.0	26
24	Synthesis, spectroscopic characterization, X-ray structure and biological screenings of organotin(IV) 3-[(3,5-dichlorophenylamido)]propanoates. <i>Inorganica Chimica Acta</i> , 2013, 400, 159-168.	1.2	25
25	Transition metal nitride electrodes as future energy storage devices: A review. <i>Materials Today Communications</i> , 2021, 27, 102363.	0.9	25
26	Synthesis, characterization, biological screenings and molecular docking study of Organotin(IV) derivatives of 2,4-dichlorophenoxyacetic acid. <i>Journal of Molecular Structure</i> , 2019, 1179, 662-671.	1.8	22
27	Improving energy harvesting efficiency of dye sensitized solar cell by using cobalt-rGO co-doped TiO ₂ photoanode. <i>Journal of Alloys and Compounds</i> , 2022, 891, 162040.	2.8	22
28	Antimony sulphide, an absorber layer for solar cell application. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	20
29	Solar-light driven photocatalytic conversion of p -nitrophenol to p -aminophenol on CdS nanosheets and nanorods. <i>Inorganic Chemistry Communication</i> , 2017, 79, 99-103.	1.8	18
30	Zr-pillared montmorillonite supported cobalt nanoparticles for Fischer-Tropsch synthesis. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 374-381.	1.8	17
31	Fe ₂ N stabilized on reduced graphene oxide to enhance the performance of a lithium-ion battery composite anode. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160824.	2.8	14
32	Acetylene black coated V ₂ O ₅ nanocomposite with stable cyclability for lithium-ion batteries cathode. <i>Journal of Alloys and Compounds</i> , 2018, 732, 518-523.	2.8	13
33	Amino-functionalized silica anchored to multiwall carbon nanotubes as hybrid electrode material for supercapacitors. <i>Materials Science for Energy Technologies</i> , 2018, 1, 70-76.	1.0	13
34	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. <i>Journal of Instrumentation</i> , 2018, 13, P10034-P10034.	0.5	11
35	Synthesis and characterisation of doxorubicin-loaded functionalised cobalt ferrite nanoparticles and their <i>in vitro</i> anti-tumour activity under an AC-magnetic field. <i>Tropical Journal of Pharmaceutical Research</i> , 2017, 16, 1663.	0.2	10
36	Preparation of Mg ₂ FeH ₆ Nanoparticles for Hydrogen Storage Properties. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	1.5	9

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37	Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye. <i>Materials Research Express</i> , 2018, 5, 035058.	0.8	9
38	Axial expansion of Ni-doped TiO ₂ nanorods grown on carbon nanotubes for favourable lithium-ion intercalation. <i>Chemical Engineering Journal</i> , 2019, 375, 122021.	6.6	9
39	Current advances and prospects in NiO-based lithium-ion battery anodes. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102376.	1.7	9
40	Annealing Effects on the Structural and Optical Properties of Thermally Deposited Tin Antimony Sulfide Thin Films. <i>Brazilian Journal of Physics</i> , 2014, 44, 733-738.	0.7	7
41	Improving Lithium-ion Half-Cell Performance of WO ₃ -Protected SnO ₂ Core-shell Nanoarchitectures. <i>ChemSusChem</i> , 2021, 14, 917-928.	3.6	7
42	Carbonic Anhydrase Inhibitory Potential of 1,2,4-triazole-3-thione Derivatives of Flurbiprofen, Ibuprofen and 4-tert-butylbenzoic Hydrazide: Design, Synthesis, Characterization, Biochemical Evaluation, Molecular Docking and Dynamic Simulation Studies. <i>Medicinal Chemistry</i> , 2019, 15, 298-310.	0.7	7
43	Transformation of diffusive to capacitive kinetics in nanoscale modified Co-TiO ₂ @CNTs composites safeguarding steady reversible capacity as sodium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163772.	2.8	7
44	Synthesis, characterization, structural description, TGA, micellization behavior, DNA-binding and antioxidant activity of mono-, di- and tri-nuclear Cu(II) and Zn(II) carboxylate complexes. <i>Journal of Coordination Chemistry</i> , 2021, 74, 762-778.	0.8	6
45	Investigation of structural and electrochemical performance of Ru-substituted LiFePO ₄ cathode material: an improvement of the capacity and rate performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6670-6680.	1.1	6
46	Radiation resistant metal decorated MWCNTs/PMMA nanocomposite films with enhanced thermomechanical properties. <i>Polymer Composites</i> , 2015, 36, 969-978.	2.3	3
47	Co ₂ GeO ₄ nanocomposites with reduced graphene oxide and carbon nanotubes as high-performance anodes for Na-ion batteries. <i>RSC Advances</i> , 2021, 11, 13004-13013.	1.7	3
48	Effect of Manganese Promotion on Al-Pillared Montmorillonite Supported Cobalt Nanoparticles for Fischer-Tropsch Synthesis. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 3005-3012.	1.0	3
49	Hierarchical nanospheres of Fe ₂ O ₃ -Fe ₂ N anchored on reduced graphene oxide as a high-performance anode for lithium-ion batteries. <i>Surfaces and Interfaces</i> , 2022, 30, 101959.	1.5	3
50	Effect of Varying Inert Gas and Acetylene Concentration on the Synthesis of Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2956-2959.	0.9	2
51	Multinuclear (Sn/Pd) complexes with disodium 2,2'-[dithiocarboxyazanediyl]diacetate hydrate; Synthesis, characterization and biological activities. <i>Journal of Coordination Chemistry</i> , 2017, 70, 4070-4092.	0.8	2
52	Lithium-ion battery anode with high capacity retention derived from zinc vanadate and holey graphene. <i>International Journal of Energy Research</i> , 0, , .	2.2	2
53	Influence of gold promoter on Fischer Tropsch synthesis Over Co/Al ₂ O ₃ /Ni ₃ catalysts. , 2013, , .		1
54	Effect of metal-reinforced UV-O ₃ -TETA functionalized MWCNTs on thermomechanical and radiation-resistant properties of PMMA. <i>Materials Today Communications</i> , 2020, 24, 101181.	0.9	1

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55	Study of deep inelastic collision in the heavy ion reaction of 14.0 (MeV/u) $^{132}\text{Xe} + ^{238}\text{U}$. International Journal of Nuclear Energy Science and Technology, 2014, 8, 89.	0.2	0
56	Effects of Tin Doping on the Physical Properties of Thermally Deposited Sb ₂ S ₃ Thin Films. Current Nanoscience, 2013, 9, 532-535.	0.7	0
57	Separation of Enzymes from their Aqueous System by using Novel Concept of Unidirectional Freezing. Pakistan Journal of Zoology, 2019, 51, .	0.1	0