

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
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174990

52
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all docs

58
docs citations

58
times ranked

5885
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving energy harvesting efficiency of dye sensitized solar cell by using cobalt-rGO co-doped TiO ₂ photoanode. Journal of Alloys and Compounds, 2022, 891, 162040.	2.8	22
2	Transformation of diffusive to capacitive kinetics in nanoscale modified Co-TiO ₂ @CNTs composites safeguarding steady reversible capacity as sodium-ion battery anode. Journal of Alloys and Compounds, 2022, 902, 163772.	2.8	7
3	Investigation of structural and electrochemical performance of Ru-substituted LiFePO ₄ cathode material: an improvement of the capacity and rate performance. Journal of Materials Science: Materials in Electronics, 2022, 33, 6670-6680.	1.1	6
4	Hierarchical nanospheres of Fe ₂ O ₃ -Fe ₂ N anchored on reduced graphene oxide as a high-performance anode for lithium-ion batteries. Surfaces and Interfaces, 2022, 30, 101959.	1.5	3
5	Current advances and prospects in NiO-based lithium-ion battery anodes. Sustainable Energy Technologies and Assessments, 2022, 53, 102376.	1.7	9
6	Improving Lithium-ion Half-Cell Performance of WO ₃ -Protected SnO ₂ Core-Shell Nanoarchitectures. ChemSusChem, 2021, 14, 917-928.	3.6	7
7	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. Journal of Coordination Chemistry, 2021, 74, 762-778.	0.8	6
8	Transition metal nitride electrodes as future energy storage devices: A review. Materials Today Communications, 2021, 27, 102363.	0.9	25
9	Fe ₂ N stabilized on reduced graphene oxide to enhance the performance of a lithium-ion battery composite anode. Journal of Alloys and Compounds, 2021, 883, 160824.	2.8	14
10	Co ₂ GeO ₄ nanocomposites with reduced graphene oxide and carbon nanotubes as high-performance anodes for Na-ion batteries. RSC Advances, 2021, 11, 13004-13013.	1.7	3
11	Effect of metal-reinforced UV-O ₃ -TETA functionalized MWCNTs on thermomechanical and radiation-resistant properties of PMMA. Materials Today Communications, 2020, 24, 101181.	0.9	1
12	Axial expansion of Ni-doped TiO ₂ nanorods grown on carbon nanotubes for favourable lithium-ion intercalation. Chemical Engineering Journal, 2019, 375, 122021.	6.6	9
13	Fabrication of MoSe ₂ decorated three-dimensional graphene composites structure as a highly stable electrocatalyst for improved hydrogen evolution reaction. Renewable Energy, 2019, 143, 1659-1669.	4.3	32
14	Carbon quantum dots from glucose oxidation as a highly competent anode material for lithium and sodium-ion batteries. Electrochimica Acta, 2019, 297, 250-257.	2.6	82
15	Synthesis, characterization, biological screenings and molecular docking study of Organotin(IV) derivatives of 2,4-dichlorophenoxyacetic acid. Journal of Molecular Structure, 2019, 1179, 662-671.	1.8	22
16	Separation of Enzymes from their Aqueous System by using Novel Concept of Unidirectional Freezing. Pakistan Journal of Zoology, 2019, 51, .	0.1	0
17	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. Medicinal Chemistry, 2019, 15, 298-310.	0.7	7
18	Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye. Materials Research Express, 2018, 5, 035058.	0.8	9

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19	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
20	Acetylene black coated V2O5 nanocomposite with stable cyclability for lithium-ion batteries cathode. <i>Journal of Alloys and Compounds</i> , 2018, 732, 518-523.	2.8	13
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Multinuclear (Sn/Pd) complexes with disodium 2,2-((dithiocarboxylate)diacetate hydrate; Synthesis, characterization and biological activities. <i>Journal of Coordination Chemistry</i> , 2017, 70, 4070-4092.	0.8	2
30	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
31	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
32	Synthesis, spectroscopy, single crystal XRD and biological studies of multinuclear organotin dicarboxylates. <i>Polyhedron</i> , 2016, 117, 64-72.	1.0	26
33	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
34	Antimony sulphide, an absorber layer for solar cell application. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	20
35	MoN-decorated nitrogen doped carbon nanotubes anode with high lithium storage performance. <i>Electrochimica Acta</i> , 2016, 190, 988-996.	2.6	28
36	Radiation resistant metal decorated MWCNTs/PMMA nanocomposite films with enhanced thermomechanical properties. <i>Polymer Composites</i> , 2015, 36, 969-978.	2.3	3

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37	Annealing Effects on the Structural and Optical Properties of Thermally Deposited Tin Antimony Sulfide Thin Films. Brazilian Journal of Physics, 2014, 44, 733-738.	0.7	7
38	Superior electrochemical performance of mesoporous Fe ₃ O ₄ /CNT nanocomposites as anode material for lithium ion batteries. Journal of Alloys and Compounds, 2014, 611, 260-266.	2.8	34
39	Study of deep inelastic collision in the heavy ion reaction of 14.0 (MeV/u) ¹³² Xe + ²³⁸ U. International Journal of Nuclear Energy Science and Technology, 2014, 8, 89.	0.2	0
40	A facile and novel approach towards carboxylic acid functionalization of multiwalled carbon nanotubes and efficient water dispersion. Materials Letters, 2013, 108, 253-256.	1.3	27
41	Zr-pillared montmorillonite supported cobalt nanoparticles for Fischer-Tropsch synthesis. Progress in Natural Science: Materials International, 2013, 23, 374-381.	1.8	17
42	Synthesis, spectroscopic characterization, X-ray structure and biological screenings of organotin(IV) 3-[(3,5-dichlorophenylamido)]propanoates. Inorganica Chimica Acta, 2013, 400, 159-168.	1.2	25
43	One-pot synthesis of a composite of monodispersed CuO nanospheres on carbon nanotubes as anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2013, 574, 221-226.	2.8	40
44	Influence of gold promoter on Fischer Tropsch synthesis Over Co/Al ₂ O ₃ catalysts. , 2013, , .		1
45	Facile synthesis of carbon nanotubes supported NiO nanocomposite and its high performance as lithium-ion battery anode. Materials Letters, 2013, 107, 158-161.	1.3	27
46	Structure and electrochemical performance of ZnO/CNT composite as anode material for lithium-ion batteries. Journal of Materials Science, 2013, 48, 5429-5436.	1.7	89
47	Modification of carbon nanotubes by CuO-doped NiO nanocomposite for use as an anode material for lithium-ion batteries. Journal of Solid State Chemistry, 2013, 202, 43-50.	1.4	34
48	Effect of air annealing on the band gap and optical properties of SnSb ₂ S ₄ thin films for solar cell application. Materials Letters, 2013, 100, 148-151.	1.3	31
49	Synthesis of carbon nanotubes anchored with mesoporous Co ₃ O ₄ nanoparticles as anode material for lithium-ion batteries. Electrochimica Acta, 2013, 105, 481-488.	2.6	89
50	Review: structural diversity in organotin(IV) dithiocarboxylates and carboxylates. Journal of Coordination Chemistry, 2013, 66, 2217-2234.	0.8	34
51	Preparation of Mg ₂ FeH ₆ Nanoparticles for Hydrogen Storage Properties. Journal of Nanomaterials, 2013, 2013, 1-7.	1.5	9
52	Effect of Manganese Promotion on Al-Pillared Montmorillonite Supported Cobalt Nanoparticles for Fischer-Tropsch Synthesis. Bulletin of the Korean Chemical Society, 2013, 34, 3005-3012.	1.0	3
53	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
54	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192

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55	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	1.4	683
56	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2307-2455.	1.4	136
57	Lithium-ion battery anode with high capacity retention derived from zinc vanadate and holey graphene. International Journal of Energy Research, 0, , .	2.2	2