

Balram Tripathi

List of Publications by Year in descending order

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all docs

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docs citations

43
times ranked

709
citing authors

#	ARTICLE	IF	CITATIONS
1	Aligned CNT/Polymer nanocomposite membranes for hydrogen separation. International Journal of Hydrogen Energy, 2009, 34, 3977-3982.	7.1	108
2	Dramatic Improvement in properties of magnetically aligned CNT/polymer nanocomposites. Journal of Membrane Science, 2010, 361, 89-95.	8.2	101
3	Characterization of PbS nanoparticles synthesized by chemical bath deposition. Journal of Alloys and Compounds, 2009, 484, 463-466.	5.5	100
4	Enhancement of hydrogen gas permeability in electrically aligned MWCNT-PMMA composite membranes. Micron, 2010, 41, 909-914.	2.2	57
5	Structural, optical, electrical and positron annihilation studies of CdS:Fe system. Journal of Alloys and Compounds, 2008, 454, 97-101.	5.5	34
6	Study of effects of Mn ²⁺ in CdS nanocrystals. Physica B: Condensed Matter, 2007, 400, 70-76.	2.7	27
7	Microstructure change in poly(ethersulfone) films by swift heavy ions. Micron, 2010, 41, 390-394.	2.2	22
8	Synthesis and luminescence properties of manganese-doped ZnS nanocrystals. Solid-State Electronics, 2007, 51, 81-84.	1.4	21
9	Role of hydrogen in electrical and structural characteristics of bilayer CdTe/Mn diluted magnetic semiconductor thin films. International Journal of Hydrogen Energy, 2009, 34, 7306-7310.	7.1	12
10	Low cost CuInSe ₂ thin films production by stacked elemental layers process for large area fabrication of solar cell application. Materials Chemistry and Physics, 2012, 131, 600-604.	4.0	12
11	A comparative study of arc discharge and chemical vapor deposition synthesized carbon nanotubes. International Journal of Hydrogen Energy, 2012, 37, 3833-3838.	7.1	11
12	Aligned MWNT channels in free standing polymer nanocomposite as an electrode for Li-ion battery. Applied Physics Letters, 2017, 110, .	3.3	9
13	Scalable Study on Nanostructured Carbon “ Sulfur Composite Electrodes for High Energy Lithium Sulfur (Li-S) Battery. ECS Transactions, 2017, 77, 47-57.	0.5	7
14	MWNT/Cellulose Based Nanocomposite Electrodes for Ultrafast Flexible Li-ion Battery. Macromolecular Symposia, 2017, 376, 1700042.	0.7	5
15	Solid state lithium-sulfur (Li-S) batteries based on solid electrolytes- a brief review. Materials Today: Proceedings, 2021, 42, 1689-1691.	1.8	5
16	Effect of BaTiO ₃ Nanofillers on the Energy Storage Performance of Polymer Nanocomposites. Macromolecular Symposia, 2021, 399, 2100024.	0.7	5
17	Study of CNT Intercalated Bi ₂ O ₃ /PVDF Composite for Super Capacitors Applications. Macromolecular Symposia, 2021, 399, 2100022.	0.7	5
18	Carbon nanotube-sulfur nanocomposite electrodes for high energy “foldable lithium sulfur battery. Materials Today: Proceedings, 2021, 42, 1638-1641.	1.8	4

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19	Study of C ⁶⁺ (80MeV) ion induced effects on CdS:Mn system. Journal of Alloys and Compounds, 2008, 459, 118-122.	5.5	3
20	Ag ⁸⁺ ion irradiation modulated structural, microstructural, defect, and magnetization in ZnO thin films. Vacuum, 2020, 176, 109342.	3.5	3
21	Study on Adsorbent Characteristics of Coconut Coir as a Bio Sorbent for Removal of Methylene Blue Dye. Macromolecular Symposia, 2021, 399, 2100082.	0.7	3
22	BiFeO ₃ Coupled Polysulfide Trapping in C/S Composite Cathode Material for Li-S Batteries as Large Efficiency and High Rate Performance. Energies, 2021, 14, 8362.	3.1	3
23	Engineering nanoporosity for Ti ⁶⁺ ion irradiated Mylar (PET) polymer by positron beam. International Journal of Hydrogen Energy, 2010, 35, 5419-5422.	7.1	2
24	Electrochemical Performance of Graphene-Modulated Sulfur Composite Cathodes Using LiBH ₄ Electrolyte for All-Solid-State Li-S Battery. Energies, 2021, 14, 7362.	3.1	2
25	OPTICAL AND DYNAMIC MECHANICAL CHARACTERIZATION OF THIN FILM POLYMER NANOCOMPOSITES. International Journal of Modern Physics B, 2010, 24, 57-63.	2.0	1
26	Effect of Electric Field Alignment of MWCNT in PMMA Matrix for Hydrogen Gas Purification. , 2011, , .		1
27	Graphene derivative based high dielectric constant polymer composite electrodes for supercapacitors. Materials Today: Proceedings, 2021, 42, 1657-1660.	1.8	1
28	Adsorption characteristics of MWNTs via intercalation of nickel. Materials Today: Proceedings, 2021, 38, 1233-1236.	1.8	1
29	Optimization of Cycling Performance for CNT Impregnated Sulfur Composite Cathode Using LiBH ₄ as Solid Electrolyte for All Solid State Li-S Batteries. ECS Transactions, 2021, 104, 53-60.	0.5	1
30	Physico-Chemical Analysis of GO-S and rGO-S Composites as Electrodes for Flexible Li-S Battery. Advanced Science, Engineering and Medicine, 2020, 12, 1080-1083.	0.3	1
31	Visible-light induced photo catalytic response of MWCNTs-CdS composites via efficient interfacial charge transfer. Materials Letters: X, 2022, 13, 100116.	0.7	1
32	Positron lifetime and residual gas analysis studies of MmNi _{4.5} Al _{0.5} MmNi _{4.5} Al _{0.5} hydride system. International Journal of Hydrogen Energy, 2007, 32, 3376-3380.	7.1	0
33	Study of structure and optical luminescence of C ⁶⁺ (80 MeV) ion irradiated CdS: Fe system. Indian Journal of Physics, 2009, 83, 1659-1665.	1.8	0
34	Ni ^[sup +7] Ion Beam Effect on Ag Doped ZnS Nanocrystals Embedded in PMMA Matrix. , 2011, , .		0
35	Luminescence tuning in a ZnS:Mn system by C ⁶⁺ (80â€...MeV) ion beam irradiation. Radiation Effects and Defects in Solids, 2015, 170, 399-406.	1.2	0
36	A comparative study on dielectric and structural properties of graphene Oxide(GO)/Reduced graphene Oxide(rGO)/Multiwall carbon nanotubes (MWNT) based polyvinylidene Fluoride(PVDF) nanocomposites. AIP Conference Proceedings, 2020, , .	0.4	0

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37	Effect of multiwall carbon nanotubes on photo catalytic activity of CdS nanocrystals. Materials Today: Proceedings, 2021, 38, 1218-1221.	1.8	0
38	Study of Adsorption Uptake via Spillover Mechanism for CNT/Cobalt Composites. Macromolecular Symposia, 2021, 399, 2100048.	0.7	0
39	Structural and Surface Morphological Study of rGO/Polystyrene Composites. Macromolecular Symposia, 2021, 399, 2100044.	0.7	0
40	Study of Hydrogen Adsorption on GO/PS Based Flexible Nanocomposites at Room Temperature. Advanced Science Letters, 2016, 22, 3768-3772.	0.2	0
41	Graphene modulated $\text{LiMn}_{1.5}\text{Ni}_{0.4}\text{Cr}_{0.1}\text{O}_4$ spinel cathode for lithium ion battery. Nano Express, 2020, 1, 020028.	2.4	0
42	Optimization of Cycling Performance for CNT Impregnated Sulfur Composite Cathode Using LiBH_4 as Solid Electrolyte for All Solid State Li-S Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 70-70.	0.0	0