

Padmini Pandey

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

562
citations

471371

17
h-index

642610

23
g-index

31
all docs

31
docs citations

31
times ranked

838
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence Quenching in Self-Assembled CsPbBr ₃ Quantum Dots on Few-Layer Black Phosphorus Sheets. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7682-7686.	7.2	54
2	CsPbBr ₃ -Ti ₃ C ₂ T _x MXene QD/QD Heterojunction: Photoluminescence Quenching, Charge Transfer, and Cd Ion Sensing Application. <i>ACS Applied Nano Materials</i> , 2020, 3, 3305-3314.	2.4	41
3	Structural, diffused reflectance and photoluminescence study of cerium doped ZnO nanoparticles synthesized through simple sol-gel method. <i>Optik</i> , 2015, 126, 3310-3315.	1.4	34
4	Evolution of ZnO nanostructures as hexagonal disk: Implementation as photoanode material and efficiency enhancement in Al: ZnO based dye sensitized solar cells. <i>Applied Surface Science</i> , 2019, 470, 1130-1138.	3.1	34
5	Effect of heat and time-period on the growth of ZnO nanorods by sol-gel technique. <i>Optik</i> , 2012, 123, 1340-1342.	1.4	33
6	Effects of annealing temperature optimization on the efficiency of ZnO nanoparticles photoanode based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1537-1545.	1.1	27
7	Organic-inorganic hybrid and inorganic halide perovskites: structural and chemical engineering, interfaces and optoelectronic properties. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 133002.	1.3	27
8	Study of Zinc Oxide nano/micro rods grown on ITO and glass substrates. <i>Optik</i> , 2013, 124, 4167-4171.	1.4	25
9	Rare earth ion (La, Ce, and Eu) doped ZnO nanoparticles synthesized via sol-gel method: Application in dye sensitized solar cells. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2015, 119, 666-671.	0.2	25
10	Controlled hydrothermal synthesis, structural and optical analysis of nanometer-sized ZnO spheres. <i>Optik</i> , 2015, 126, 301-303.	1.4	25
11	Utility of copper oxide nanoparticles (CuO-NPs) as efficient electron donor material in bulk-heterojunction solar cells with enhanced power conversion efficiency. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 104-110.	1.5	25
12	Development and optical study of hexagonal multi-linked ZnO micro-rods grown using hexamine as capping agent. <i>Optik</i> , 2013, 124, 1188-1191.	1.4	23
13	Photoluminescence Quenching in Self-Assembled CsPbBr ₃ Quantum Dots on Few-Layer Black Phosphorus Sheets. <i>Angewandte Chemie</i> , 2018, 130, 7808-7812.	1.6	22
14	Performance evaluation of optimized leaf-shaped two-dimension (2D) potassium doped CuO nanostructures with enhanced structural, optical and electronic properties. <i>Ceramics International</i> , 2020, 46, 20404-20414.	2.3	22
15	Electrochemical synthesis of MoS ₂ quantum dots embedded nanostructured porous silicon with enhanced electroluminescence property. <i>Optical Materials</i> , 2017, 73, 763-771.	1.7	20
16	Optical Studies of Europium-Doped ZnO Nanoparticles Prepared by Sol-Gel Technique. <i>Journal of Advanced Physics</i> , 2014, 3, 104-110.	0.4	20
17	Variable excitation wavelength photoluminescence response and optical absorption in BiFeO ₃ nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17245-17253.	1.1	19
18	Phenylethylammonium-formamidinium-methylammonium quasi-2D/3D tin wide-bandgap perovskite solar cell with improved efficiency and stability. <i>Chemical Engineering Journal</i> , 2022, 446, 137388.	6.6	17

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19	PVP Assisted Shape-Controlled Synthesis of Self-Assembled 1D ZnO and 3D CuO Nanostructures. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2016, 120, 408-414.	0.2	15
20	Influence of Al doping on the magnetoresistance and transport properties of LaBaMnAlO (0$\leq x \leq 0.15$) manganites. Journal of Magnetism and Magnetic Materials, 2019, 471, 153-163.	1.0	13
21	An Organic-Inorganic Perovskitoid with Zwitterion Cysteamine Linker and its Crystal-Crystal Transformation to Ruddlesden-Popper Phase. Angewandte Chemie - International Edition, 2021, 60, 18750-18760.	7.2	11
22	Mixed Solvent Engineering for Morphology Optimization of the Electron Transport Layer in Perovskite Photovoltaics. ACS Applied Energy Materials, 2022, 5, 387-396.	2.5	8
23	Improving inorganic perovskite photovoltaic performance via organic cation addition for efficient solar energy utilization. Energy, 2022, 257, 124640.	4.5	8
24	Combined parametric optimization of P3HT: PC70BM films for efficient bulk-heterojunction solar cells. Journal of Solid State Electrochemistry, 2019, 23, 3267-3274.	1.2	5
25	New-insight into the physical properties of Zn $_{1-x}$ BxO two-dimensional hexagonal nanodisks: An efficient material for dye sensitized solar cells. Materials Letters, 2019, 238, 194-197.	1.3	5
26	Optical, Dielectric and Impedance Studies of SiO ₂ /MWCNT Nanocomposite Synthesized Through In-Situ Ultrasonication-Assisted Sol-Gel Method. Journal of Advanced Physics, 2014, 3, 194-204.	0.4	4
27	Structural and optical properties of co-precipitated copper doped zinc oxide. AIP Conference Proceedings, 2018, , .	0.3	0
28	An Organic-Inorganic Perovskitoid with Zwitterion Cysteamine Linker and its Crystal-Crystal Transformation to Ruddlesden-Popper Phase. Angewandte Chemie, 2021, 133, 18898-18908.	1.6	0
29	Solid-State Polymer/ZnO Hybrid Dye Sensitized Solar Cell: A Review. Material Science Research India, 2012, 9, 69-80.	0.9	0