Padmini Pandey

List of Publications by Year
in descending order

29	562	471509 17	642732 23
papers	citations	h-index	g-index

31	31	31	838
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoluminescence Quenching in Selfâ€Assembled CsPbBr₃ Quantum Dots on Fewâ€Layer Black Phosphorus Sheets. Angewandte Chemie - International Edition, 2018, 57, 7682-7686.	13.8	54
2	CsPbBr₃â€“Ti₃C₂T_x MXene QD/QD Heterojunction: Photoluminescence Quenching, Charge Transfer, and Cd Ion Sensing Application. ACS Applied Nano Materials, 2020, 3, 3305-3314.	5.0	41
3	Structural, diffused reflectance and photoluminescence study of cerium doped ZnO nanoparticles synthesized through simple solâ€“gel method. Optik, 2015, 126, 3310-3315.	2.9	34
4	Evolution of ZnO nanostructures as hexagonal disk: Implementation as photoanode material and efficiency enhancement in Al: ZnO based dye sensitized solar cells. Applied Surface Science, 2019, 470, 1130-1138.	6.1	34
5	Effect of heat and time-period on the growth of ZnO nanorods by solâ€“gel technique. Optik, 2012, 123, 1340-1342.	2.9	33
6	Effects of annealing temperature optimization on the efficiency of ZnO nanoparticles photoanode based dye sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 1537-1545.	2.2	27
7	Organicâ€“inorganic hybrid and inorganic halide perovskites: structural and chemical engineering, interfaces and optoelectronic properties. Journal Physics D: Applied Physics, 2021, 54, 133002.	2.8	27
8	Study of Zinc Oxide nano/micro rods grown on ITO and glass substrates. Optik, 2013, 124, 4167-4171.	2.9	25
9	Rare earth ion (La, Ce, and Eu) doped ZnO nanoparticles synthesized via sol-gel method: Application in dye sensitized solar cells. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 119, 666-671.	0.6	25
10	Controlled hydrothermal synthesis, structural and optical analysis of nanometer-sized ZnO spheres. Optik, 2015, 126, 301-303.	2.9	25
11	Utility of copper oxide nanoparticles (CuO-NPs) as efficient electron donor material in bulk-heterojunction solar cells with enhanced power conversion efficiency. Journal of Science: Advanced Materials and Devices, 2020, 5, 104-110.	3.1	25
12	Development and optical study of hexagonal multi-linked ZnO micro-rods grown using hexamine as capping agent. Optik, 2013, 124, 1188-1191.	2.9	23
13	Photoluminescence Quenching in Selfâ€Assembled CsPbBr₃ Quantum Dots on Fewâ€Layer Black Phosphorus Sheets. Angewandte Chemie, 2018, 130, 7808-7812.	2.0	22
14	Performance evaluation of optimized leaf-shaped two-dimension (2D) potassium doped CuO nanostructures with enhanced structural, optical and electronic properties. Ceramics International, 2020, 46, 20404-20414.	4.8	22
15	Electrochemical synthesis of MoS2 quantum dots embedded nanostructured porous silicon with enhanced electroluminescence property. Optical Materials, 2017, 73, 763-771.	3.6	20
16	Optical Studies of Europium-Doped ZnO Nanoparticles Prepared by Solâ€“Gel Technique. Journal of Advanced Physics, 2014, 3, 104-110.	0.4	20
17	Variable excitation wavelength photoluminescence response and optical absorption in BiFeO3 nanostructures. Journal of Materials Science: Materials in Electronics, 2017, 28, 17245-17253.	2.2	19
18	Phenylethylammonium-formamidinium-methylammonium quasi-2D/3D tin wide-bandgap perovskite solar cell with improved efficiency and stability. Chemical Engineering Journal, 2022, 446, 137388.	12.7	17

#	Article	IF	Citations
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.	0.6	15
20	Influence of Al doping on the magnetoresistance and transport properties of LaBaMnAlO (0â€¯â‰¤â€¯xâ€¯â‰¤â€¯0.15) manganites. Journal of Magnetism and Magnetic Materials, 2019, 471, 153-163.	2.3	13
21	An Organicâ€“Inorganic Perovskitoid with Zwitterion Cysteamine Linker and its Crystalâ€“Crystal Transformation to Ruddlesdenâ€Popper Phase. Angewandte Chemie - International Edition, 2021, 60, 18750-18760.	13.8	11
22	Mixed Solvent Engineering for Morphology Optimization of the Electron Transport Layer in Perovskite Photovoltaics. ACS Applied Energy Materials, 2022, 5, 387-396.	5.1	8
23	Improving inorganic perovskite photovoltaic performance via organic cation addition for efficient solar energy utilization. Energy, 2022, 257, 124640.	8.8	8
24	Combined parametric optimization of P3HT: PC70BM films for efficient bulk-heterojunction solar cells. Journal of Solid State Electrochemistry, 2019, 23, 3267-3274.	2.5	5
25	New-insight into the physical properties of Zn1âˆ’xBxO two-dimensional hexagonal nanodisks: An efficient material for dye sensitized solar cells. Materials Letters, 2019, 238, 194-197.	2.6	5
26	Optical, Dielectric and Impedance Studies of SiO₂/MWCNT Nanocomposite Synthesized Through <I>In-Situ</I> Ultrasonication-Assisted Solâ€“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, , .	0.4	0
28	An Organicâ€“Inorganic Perovskitoid with Zwitterion Cysteamine Linker and its Crystalâ€“Crystal Transformation to Ruddlesdenâ€Popper Phase. Angewandte Chemie, 2021, 133, 18898-18908.	2.0	0
29	Solid-State Polymer/ZnO Hybrid Dye Sensitized Solar Cell: A Review. Material Science Research India, 2012, 9, 69-80.	0.7	0