

Avneesh Anshul

List of Publications by Year in descending order

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13
papers

371
citations

933447

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1125743

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docs citations

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times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	An optimized lead-free formamidinium Sn-based perovskite solar cell design for high power conversion efficiency by SCAPS simulation. <i>Optical Materials</i> , 2020, 108, 110213.	3.6	107
2	Evidence of improved power conversion efficiency in lead-free CsGeI ₃ based perovskite solar cell heterostructure via SCAPS simulation. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2021, 39, .	1.2	75
3	Phase transformation, improved ferroelectric and magnetic properties of (1-x)BiFeO ₃ -xPb(Zr _{0.52} Ti _{0.48})O ₃ solid solutions. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	37
4	Magnetodielectric coupling in epitaxial Nd ₂ CoMnO ₆ thin films with double perovskite structure. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	25
5	A computational approach to investigate the suitable ETL for lead-free CsGeI ₃ based perovskite solar cell. <i>Materials Today: Proceedings</i> , 2021, 47, 1564-1569.	1.8	23
6	Structural stability, enhanced magnetic, piezoelectric, and transport properties in (1-x)BiFeO ₃ -x(Ba _{0.70} Sr _{0.30} TiO ₃) nanoparticles. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	22
7	Investigating the potential of lead-free double perovskite Cs ₂ AgBiBr ₆ material for solar cell applications: A theoretical study. <i>International Journal of Energy Research</i> , 2022, 46, 13801-13819.	4.5	21
8	Computational analysis of bandgap tuning, admittance and impedance spectroscopy measurements in lead-free MASn ₃ perovskite solar cell device. <i>International Journal of Energy Research</i> , 2022, 46, 11456-11469.	4.5	18
9	Raman and photoluminescence spectral studies in epitaxial Bi ₂ NiMnO ₆ double perovskite thin-film samples. <i>Optical Materials</i> , 2020, 101, 109773.	3.6	12
10	Structural, electronic, magnetic and optical properties of double perovskite Nd ₂ CoMnO ₆ : First principle calculation. <i>Optik</i> , 2021, 242, 166764.	2.9	12
11	Advances and future challenges in multifunctional nanostructures for their role in fast, energy efficient memory devices. <i>Materials Letters</i> , 2020, 277, 128369.	2.6	9
12	Raman and photoluminescence spectral studies in double perovskite epitaxial Nd ₂ CoMnO ₆ thin films deposited by pulse laser deposition. <i>Optik</i> , 2020, 212, 164749.	2.9	9
13	Lead-free Ca ²⁺ doped Bi _{0.80} La _{0.20} FeO ₃ multiferroic material for solar cell applications. <i>Materials Today: Proceedings</i> , 2022, 67, 713-718.	1.8	1