

Avneesh Anshul

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

371
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational analysis of bandgap tuning, admittance and impedance spectroscopy measurements in lead-free MASnI_3 perovskite solar cell device. International Journal of Energy Research, 2022, 46, 11456-11469.	4.5	18
2	Investigating the potential of lead-free double perovskite $\text{Cs}_2\text{AgBiBr}_6$ material for solar cell applications: A theoretical study. International Journal of Energy Research, 2022, 46, 13801-13819.	4.5	21
3	Lead-free Ca^{2+} doped $\text{Bi}_{0.80}\text{La}_{0.20}\text{FeO}_3$ multiferroic material for solar cell applications. Materials Today: Proceedings, 2022, 67, 713-718.	1.8	1
4	Evidence of improved power conversion efficiency in lead-free CsGeI_3 based perovskite solar cell heterostructure via scaps simulation. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2021, 39, .	1.2	75
5	Structural, electronic, magnetic and optical properties of double perovskite $\text{Nd}_2\text{CoMnO}_6$: First principle calculation. Optik, 2021, 242, 166764.	2.9	12
6	A computational approach to investigate the suitable ETL for lead-free CsGeI_3 based perovskite solar cell. Materials Today: Proceedings, 2021, 47, 1564-1569.	1.8	23
7	Advances and future challenges in multifunctional nanostructures for their role in fast, energy efficient memory devices. Materials Letters, 2020, 277, 128369.	2.6	9
8	An optimized lead-free formamidinium Sn-based perovskite solar cell design for high power conversion efficiency by SCAPS simulation. Optical Materials, 2020, 108, 110213.	3.6	107
9	Raman and photoluminescence spectral studies in epitaxial $\text{Bi}_2\text{NiMnO}_6$ double perovskite thin-film samples. Optical Materials, 2020, 101, 109773.	3.6	12
10	Raman and photoluminescence spectral studies in double perovskite epitaxial $\text{Nd}_2\text{CoMnO}_6$ thin films deposited by pulse laser deposition. Optik, 2020, 212, 164749.	2.9	9
11	Structural stability, enhanced magnetic, piezoelectric, and transport properties in $(1-x)\text{BiFeO}_3\text{-}x\text{Ba}_{0.70}\text{Sr}_{0.30}\text{TiO}_3$ nanoparticles. Journal of Applied Physics, 2018, 123, .	2.5	22
12	Magnetodielectric coupling in epitaxial $\text{Nd}_2\text{CoMnO}_6$ thin films with double perovskite structure. Journal of Applied Physics, 2014, 115, .	2.5	25
13	Phase transformation, improved ferroelectric and magnetic properties of $(1-x)\text{BiFeO}_3\text{-}x\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ solid solutions. Journal of Applied Physics, 2014, 115, .	2.5	37