

Vineet Sharma

List of Publications by Year in descending order

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30
papers

1,111
citations

471509

17
h-index

454955

30
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30
all docs

30
docs citations

30
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement in thermal stability and crystallization mechanism of Sm doped GeSbTe thin films for phase change memory applications. Journal of Alloys and Compounds, 2022, 893, 162316.	5.5	14
2	Effect of local structure on the optical and dielectric behaviour of Sm doped GeSbTe phase change material. Optical Materials, 2021, 115, 111057.	3.6	5
3	Structural transition on doping rare earth Sm to GeSbTe phase change material. Journal of Alloys and Compounds, 2021, 877, 160246.	5.5	11
4	Improvement in stability of GST PCMs on Sm addition for memory devices. Journal of Non-Crystalline Solids, 2020, 532, 119887.	3.1	4
5	Chemical ordering and electronic properties of lone pair chalcogenide semiconductors. Progress in Solid State Chemistry, 2019, 54, 31-44.	7.2	30
6	Dependence of structural cross-linking, system energy and transition temperature on coordination number for Sm doped GST. Results in Physics, 2019, 13, 102276.	4.1	16
7	Nanomaterials for high frequency device and photocatalytic applications: Mg-Zn-Ni ferrites. Journal of Alloys and Compounds, 2018, 746, 532-539.	5.5	57
8	Ferrimagnetic Ni doped Mg-Zn spinel ferrite nanoparticles for high density information storage. Journal of Alloys and Compounds, 2017, 704, 7-17.	5.5	166
9	Enhancement in A-B super-exchange interaction with Mn substitution in Mg-Zn ferrites as a heating source in hyperthermia applications. Ceramics International, 2017, 43, 13661-13669.	4.8	79
10	Improvement in magnetic behaviour of cobalt doped magnesium zinc nano-ferrites via co-precipitation route. Journal of Alloys and Compounds, 2016, 684, 569-581.	5.5	158
11	Recent developments on the optical properties of thin films of chalcogenide glasses. Progress in Solid State Chemistry, 2016, 44, 131-141.	7.2	89
12	Effect of compositional dependence on physical and optical parameters of Te ₁₇ Se _{83-x} Bi glassy system. Journal of Alloys and Compounds, 2016, 667, 204-210.	5.5	66
13	Analysis of chemical ordering and fragility for Ge-Se-In glasses. Applied Physics A: Materials Science and Processing, 2015, 120, 137-143.	2.3	39
14	Structural, morphological and magnetic analysis of Cd-Co-S dilute magnetic semiconductor nanofilms. Journal of Magnetism and Magnetic Materials, 2014, 367, 1-8.	2.3	8
15	Redshift in Absorption Edge of Cd _{1-x} Co _x S Nanofilms. IEEE Nanotechnology Magazine, 2014, 13, 343-348.	2.0	10
16	CdS nanopowder and nanofilm: Simultaneous synthesis and structural analysis. Electronic Materials Letters, 2013, 9, 371-374.	2.2	6
17	Far-infrared investigation of ternary Ge-Se-Sb and quaternary Ge-Se-Sb-Te chalcogenide glasses. Journal of Non-Crystalline Solids, 2013, 375, 114-118.	3.1	40
18	Finger prints of chemical bonds in Sb-Se-Ge and Sb-Se-Ge-In glasses: A Far-IR study. Journal of Non-Crystalline Solids, 2013, 362, 136-139.	3.1	24

#	ARTICLE	IF	CITATIONS
19	New Quaternary Sb-Se-Ge-In Chalcogenide Glasses: Linear and Nonlinear Optical Properties. Journal of Electronic Materials, 2013, 42, 3367-3372.	2.2	21
20	Phase Transition in II-VI Nanofilms of Dilute Magnetic Semiconductors: Cd _{1-x} Ni _x S. Science of Advanced Materials, 2013, 5, 713-717.	0.7	2
21	CdS nanofilms: Effect of film thickness on morphology and optical band gap. Journal of Applied Physics, 2012, 112, .	2.5	38
22	Optical analysis of Ge ₁₉ Se _{81-x} S _x thin films using single transmission spectrum. Materials Chemistry and Physics, 2012, 136, 967-972.	4.0	29
23	Structural transition in II-VI nanofilms: Effect of molar ratio on structural, morphological, and optical properties. Journal of Applied Physics, 2012, 111, .	2.5	26
24	Band gap and dispersive behavior of Ge alloyed a-SbSe thin films using single transmission spectrum. Materials Chemistry and Physics, 2012, 134, 158-162.	4.0	22
25	Electrical properties of a-Se ₈₅ Te ₁₅ Sn _x thin films. Journal of Non-Crystalline Solids, 2007, 353, 1474-1477.	3.1	13
26	Photoconductivity in Thin Film of a-(Ge ₂₀ Se ₈₀) _{0.90} Sn _{0.10} . Journal of Materials Science, 2006, 41, 2327-2332.	3.7	15
27	Phase transition in a-Se ₈₅ Te ₁₅ thin film on thermal annealing. Journal of Physics Condensed Matter, 2006, 18, 10279-10290.	1.8	11
28	Effect of light intensity and temperature on the recombination mechanism in a-(Ge ₂₀ Se ₈₀) _{99.5} Cu _{0.5} thin film. Journal Physics D: Applied Physics, 2005, 38, 1959-1965.	2.8	17
29	Effect of In additive on the electrical properties of Se-Te alloy. Semiconductor Science and Technology, 2005, 20, 103-107.	2.0	57
30	Effect of Sb additive on the electrical properties of Se-Te alloy. Journal of Non-Crystalline Solids, 2005, 351, 2468-2473.	3.1	38