

Sunanda Sharda

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

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citations

1163117

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16
all docs

16
docs citations

16
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments on the optical properties of thin films of chalcogenide glasses. Progress in Solid State Chemistry, 2016, 44, 131-141.	7.2	89
2	Effect of Te on linear and non-linear optical properties of new quaternary Ge-Se-Sb-Te chalcogenide glasses. Electronic Materials Letters, 2014, 10, 101-106.	2.2	36
3	Chemical ordering and electronic properties of lone pair chalcogenide semiconductors. Progress in Solid State Chemistry, 2019, 54, 31-44.	7.2	30
4	Finger prints of chemical bonds in Sb-Ge and Sb-Ge-In glasses: A Far-IR study. Journal of Non-Crystalline Solids, 2013, 362, 136-139.	3.1	24
5	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
6	New Quaternary Sb-Se-Ge-In Chalcogenide Glasses: Linear and Nonlinear Optical Properties. Journal of Electronic Materials, 2013, 42, 3367-3372.	2.2	21
7	Physical Analysis of Structural Transformation in Ge-Incorporated a-Sb _x Se _{100-x} System. Defect and Diffusion Forum, 0, 316-317, 45-53.	0.4	15
8	Thermal analysis of quaternary Ge-Se-Sb-Te chalcogenide alloys. Journal of Thermal Analysis and Calorimetry, 2015, 119, 213-218.	3.6	15
9	Glass transition and crystallization kinetics analysis of Sb-Ge chalcogenide glasses. Journal of Thermal Analysis and Calorimetry, 2014, 115, 361-366.	3.6	14
10	Thermal stability and crystallization kinetics of quaternary Sb-Ge-In chalcogenide glasses. Journal of Alloys and Compounds, 2014, 611, 96-99.	5.5	9
11	Thermo-induced changes in the optical linearity and nonlinearity of Dy doped (GeSe ₂) ₈₀ (Sb ₂ Se ₃) ₂₀ thin films. Optical and Quantum Electronics, 2022, 54, 1.	3.3	7
12	Effect of substitutional doping on temperature dependent electrical parameters of amorphous Se-Te semiconductors. Electronic Materials Letters, 2013, 9, 629-633.	2.2	5
13	Annealing effect on Dy: (GeSe ₂) ₈₀ (In ₂ Se ₃) ₂₀ thin films - Oscillator, dielectric, absorption and nonlinear parameters. Materials Chemistry and Physics, 2022, 288, 126372.	4.0	4
14	Nanocrystallization and optical properties of quaternary Sn-Se-Bi-Te chalcogenide thin films. Journal of Materials Science: Materials in Electronics, 0, , .	2.2	2
15	SbSeGe semiconducting alloys: Non-linear refractive index and susceptibility. , 2013, , .		0
16	Stability analysis of IV-V-VI chalcogenide glasses using glass transition and crystallization temperature. , 2013, , .		0