N Manikandan

List of Publications by Year
in descending order

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24	575	759233 12	610901 24
papers	citations	h-index	g-index

24	24	24	468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Zn2+ ions on third order nonlinear optical behavior and power limiting properties of manganese ferrite nanoparticles. Photonics and Nanostructures - Fundamentals and Applications, 2021, 45, 100922.	2.0	4
2	Thulium-doped barium tellurite glasses: structural, thermal, linear, and non-linear optical investigations. Journal of Materials Science: Materials in Electronics, 2021, 32, 23030-23046.	2.2	28
3	Effect of dopants on the nonlinear optical properties of fluorotellurite glasses for optical limiting application. Physica Scripta, 2021, 96, 125804.	2.5	8
4	Effect of rare earth dopants on the radiation shielding properties of barium tellurite glasses. Nuclear Engineering and Technology, 2021, 53, 4106-4113.	2.3	23
5	Experimental and computational studies on third-order urea salicylic acid single crystal for optoelectronic device applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 17594-17613.	2.2	4
6	Investigations on the structural, morphological, linear and third order nonlinear optical properties of manganese doped zinc selenide nanoparticles for optical limiting application. Optical Materials, 2020, 100, 109641.	3.6	52
7	Review on Growth and Characterization of Urea and Urea Derivative Single Crystals. Brazilian Journal of Physics, 2020, 50, 192-213.	1.4	4
8	Synthesis and characterization of nickel doped zinc selenide nanospheres for nonlinear optical applications. Journal of Alloys and Compounds, 2019, 791, 601-612.	5.5	38
9	Investigation on structural, optical, thermal and gamma photon shielding properties of zinc and barium doped fluorotellurite glasses. Journal of Non-Crystalline Solids, 2019, 511, 194-200.	3.1	32
10	N-Methylurea Succinic Acid (NMUSA): an optically non-linear organic crystal for NLO device application. Materials Research Express, 2019, 6, 025102.	1.6	7
11	Structural and nonlinear optical properties of nickel substituted manganese ferrite nanoparticles. Ceramics International, 2018, 44, 22592-22600.	4.8	30
12	Growth and characterizaion of urea p-nitrophenol crystal: an organic nonlinear optical material for optoelectronic device application. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	18
13	Synthesis and characterization of barium fluoride substituted zinc tellurite glasses. Physica B: Condensed Matter, 2017, 526, 84-88.	2.7	24
14	Influence of copper ions on structural and non-linear optical properties in manganese ferrite nanomaterials. Optical Materials, 2017, 73, 428-436.	3.6	50
15	Investigation on the behavioral difference in third order nonlinearity and optical limiting of Mn_{0.55}Cu_{0.45}Fe₂O₄ nanoparticles annealed at different temperatures. Materials Research Express, 2017, 4, 115027.	1.6	9
16	Thermal and optical properties of TeO2â€“ZnOâ€“BaO glasses. Journal of Non-Crystalline Solids, 2012, 358, 947-951.	3.1	122
17	Suspended core tellurite glass optical fibers for infrared supercontinuum generation. Optical Materials, 2011, 33, 1661-1666.	3.6	56
18	Thermal diffusivity measurements on Asâ€“Teâ€“Ga glasses by photo-thermal deflection technique: Composition dependence and topological thresholds. Journal of Non-Crystalline Solids, 2009, 355, 58-60.	3.1	7

#	Article	IF	Citations
19	Signatures of an extended rigidity percolation in the photo-degradation behavior and the composition dependence of photo-response of Geâ€“Teâ€“In glasses. Journal of Non-Crystalline Solids, 2008, 354, 3732-3734.	3.1	8
20	Photo-thermal deflection and electrical switching studies on Geâ€“Teâ€“I chalcohalide glasses. Journal of Physics Condensed Matter, 2007, 19, 036224.	1.8	14
21	Observation of a thermally reversing window in bulk Ge₁₅Te_{85â^'x}In_xglasses. Journal of Physics Condensed Matter, 2007, 19, 376104.	1.8	9
22	Network topological thresholds in gallium doped Asâ€“Te glasses â€“ Electrical and thermal investigations. Journal of Non-Crystalline Solids, 2007, 353, 1247-1250.	3.1	8
23	Effect of indium doping on the electrical switching behaviour of Geâ€“Te glasses. Philosophical Magazine, 2007, 87, 5109-5116.	1.6	13
24	Photoconductivity studies on bulk As-Te-In glasses. Applied Physics A: Materials Science and Processing, 2005, 81, 1313-1316.	2.3	7