

J Balaji

List of Publications by Year in descending order

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17
papers

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1163117

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all docs

17
docs citations

17
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and dielectric studies of toluidine tartrate single crystals:A novel organic NLO material. Journal of Molecular Structure, 2020, 1207, 127750.	3.6	23
2	Spectroscopic and DFT-based computational studies on the molecular electronic structural characteristics and the third-order nonlinear property of an organic NLO crystal: (E)- N $\hat{\alpha}^2$ -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide. Chemical Physics Letters, 2017, 674, 11-27.	2.6	22
3	Synthesis, crystal growth, studies on vibrational spectroscopy and nonlinear optical properties of 4-methoxy-4 $\hat{\alpha}^2$ -chlorochalcone. Materials Research Bulletin, 2014, 50, 446-453.	5.2	15
4	Investigations on spectroscopic, dielectric and optical studies in 3-hydroxypyridinium 4-nitrobenzoate crystals. Journal of Molecular Structure, 2017, 1137, 142-149.	3.6	15
5	Synthesis and third order optical nonlinearity studies of toluidine tartrate single crystal supported by photophysical characterization and vibrational spectral analysis. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 393, 112413.	3.9	10
6	A one-pot hydrothermal-induced PANI/SnO2 and PANI/SnO2/rGO ternary composites for high-performance chemiresistive-based H2S and NH3 gas sensors. Journal of Materials Science: Materials in Electronics, 2020, 31, 8825-8836.	2.2	10
7	Studies on the growth and characterization of a non linear optical crystal: 3 Hydroxy Pyridinium Tartrate Mono Hydrate (3HPTMH). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 144, 139-147.	3.9	9
8	Growth and characterization of organometallic NLO material: cesium hcontriydrogen tartrate. Materials Research Innovations, 2018, 22, 294-301.	2.3	8
9	Investigations on the vibrational modes and non-linear optical properties of 4-Fluoro Chalcone crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 114-120.	3.9	6
10	Crystal structure of (<i>E</i>)-<i>N</i> $\hat{\alpha}^2$ -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide: a hexagonal polymorph. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1250-o1251.	0.2	5
11	Structural, spectral, thermal, micro hardness, dielectric and etching studies of third order nonlinear optical material Cesium Sulfamate. Journal of Alloys and Compounds, 2017, 701, 822-827.	5.5	5
12	(E)-N $\hat{\alpha}^2$ -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide (4CBTH) $\hat{\alpha}^2$ Synthesis and characterization of organic NLO crystal. Journal of Crystal Growth, 2016, 452, 189-197.	1.5	4
13	Structural, theoretical, and third-order nonlinear optical investigations of <i>N</i> $\hat{\alpha}^2$ -[(<i>E</i>)-(4-bromophenyl)(phenyl)methylidene] $\hat{\alpha}^2$ -4-methylbenzenesulfonohydrazide. Molecular Crystals and Liquid Crystals, 2018, 665, 194-206.	0.9	4
14	Crystal growth, characterization and third order nonlinear optical studies of N $\hat{\alpha}^2$ -[(E)-(4-chlorophenyl)(phenyl)methylene]-4-methylbenzenesulfonohydrazide for optical applications. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	4
15	Growth and characterisation of 2 $\hat{\alpha}^2$, 3, 4, 4 $\hat{\alpha}^2$, 5-Pentamethoxychalcone (PMC) $\hat{\alpha}^2$ For non linear optical applications. Journal of Molecular Structure, 2017, 1133, 135-143.	3.6	1
16	Studies on growth, optical, dielectric, and third-order nonlinearity of 4-methyl N-(4-chlorobenzylidene)aniline (4CBT) crystal. Journal of Materials Science: Materials in Electronics, 2020, 31, 18234-18247.	2.2	1
17	Crystal structure of N $\hat{\alpha}^2$ -[(E)-(4-chlorophenyl)(phenyl)methylidene]-4-methylbenzenesulfonohydrazide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o45-o46.	0.5	0