

P Krishnan

List of Publications by Year in descending order

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31
papers

551
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623734

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#	ARTICLE	IF	CITATIONS
1	Growth, optical, thermal, dielectric and microhardness characterizations of melaminium bis (trifluoroacetate) trihydrate single crystal. <i>Journal of Crystal Growth</i> , 2014, 389, 30-38.	1.5	79
2	Growth and characterization of Melaminium bis (trichloroacetate) dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 101, 112-118.	3.9	44
3	Studies on crystal growth, vibrational, optical, thermal and dielectric properties of new organic nonlinear optical crystal: Bis (2,3-dimethoxy-10-oxostrychnidinium) phthalate nonahydrate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 114-124.	3.9	42
4	Growth, nonlinear optical, thermal, dielectric and laser damage threshold studies of semiorganic crystal: Monohydrate piperazine hydrogen phosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 379-385.	3.9	40
5	Effects of rare earth, transition and post transition metal ions on structural and optical properties and photocatalytic activities of zirconia (ZrO ₂) nanoparticles synthesized via the facile precipitation process. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114342.	2.7	40
6	Growth, spectral, thermal, dielectric, mechanical, linear and nonlinear optical, birefringence, laser damage threshold studies of semi-organic crystal: Dibrucinium sulfate heptahydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 152-160.	3.9	39
7	Growth, optical, thermal and mechanical characterization of an organic crystal: Brucinium 5-sulfosalicylate trihydrate. <i>Bulletin of Materials Science</i> , 2014, 37, 1589-1595.	1.7	37
8	Nucleation kinetics, growth, crystalline perfection, mechanical, thermal, optical and electrical characterization of brucinium 2-carboxy-6-nitrophthalate dihydrate single crystal. <i>Journal of Crystal Growth</i> , 2014, 396, 85-94.	1.5	34
9	Growth, optical, thermal, mechanical and dielectric characterization of brucinium hydrogen maleate. <i>Journal of Crystal Growth</i> , 2013, 380, 111-117.	1.5	27
10	Structural, optical and piezoelectric investigation on new Brucinium Chlorate di-hydrate NLO single crystal for optoelectronic, piezo-sensor, transducer and OLED applications. <i>Optical Materials</i> , 2018, 84, 556-563.	3.6	20
11	Optical, spectral and thermal properties of organic nonlinear optical single crystal: 2,3-Dimethoxy-10-oxostrychnidinium hydrogen oxalate dihydrate. <i>Optik</i> , 2014, 125, 3852-3859.	2.9	18
12	Growth, structural, thermal, dielectric, mechanical and optical characterization of 2, 3-Dimethoxy-10-oxostrychnidinium hydrogen oxalate dihydrate single crystal. <i>Journal of Crystal Growth</i> , 2013, 383, 43-50.	1.5	17
13	Physical strength and Opto-electrical conductivity of L-Serine Phosphate single crystal for structural and photonics devices fabrication. <i>Materials Research Innovations</i> , 2020, 24, 295-300.	2.3	15
14	Optical characterization of infrared emitting Nd ³⁺ doped hydroxyapatite nanoparticles prepared by hydrothermal method. <i>Journal of Luminescence</i> , 2017, 185, 180-186.	3.1	14
15	Growth, structural, crystallisation, thermal decomposition and dielectric behaviour of melaminium bis(hydrogen oxalate) single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 307-318.	3.6	13
16	Structural, optical and piezoelectric investigation on brucinium bromide hydrate non linear optical single crystal for optical parametric oscillators, high-power laser, piezo-sensors and transducers applications. <i>Journal of Molecular Structure</i> , 2019, 1180, 512-522.	3.6	12
17	A study of thermal and dielectric behavior of melaminium perchlorate monohydrate single crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1317-1323.	3.6	11
18	Synthesis, thermal decomposition and dielectric behavior of bis(thiourea)silver(I)nitrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1295-1301.	3.6	10

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19	Growth, crystal perfection, optical and electrical properties of organic crystal: Brucinium 5-sulfosalicylate trihydrate. <i>Optik</i> , 2014, 125, 6881-6886.	2.9	9
20	Growth, optical, spectral and thermal characterization of brucinium hydrogen fumarate sesquihydrate: An organic material for optical applications. <i>Optik</i> , 2016, 127, 1176-1183.	2.9	6
21	Synthesis, Characterization, Nucleation Kinetics, Mechanical, Photo Conductivity, Birefringence and DFT Studies of Tris(thiourea) Zinc Selenate as Potential NLO Material. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1199-1210.	3.7	6
22	Novel report on structural, optical and electrical investigation into brucinium 4-methyl-3-nitrobenzoate 0.5 hydrate single crystal: a promising material for high-power laser, ultrahigh cooling, sensor and detector applications. <i>Journal of Materials Science</i> , 2020, 55, 8591-8609.	3.7	4
23	A study on kinetic properties of brucinium hydrogen (s) malate pentahydrate single crystal by Coats Redfern method. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	4
24	Growth and structural, optical, and thermal studies of nonlinear optical brucinium hydrogen (S) malate pentahydrate. <i>Journal of Applied Spectroscopy</i> , 2013, 80, 176-183.	0.7	3
25	Growth and characterization of L-serine formate nonlinear optical single crystal. , 2013, , .		3
26	Bis(2,3-dimethoxy-10-oxostyrychnidinium) phthalate nonahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o870-o870.	0.2	2
27	2,3-Dimethoxy-10-oxostyrychnidinium hydrogen oxalate dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o659-o659.	0.2	1
28	Optical parameters and laser damage threshold values of pure and lanthanum doped L-Alanine tartrate single crystals. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
29	FT-IR and FT-Raman spectral investigations, HOMO-LUMO and first-hyperpolarizability analyses of 2,4-dimethoxybenzotrile by ab initio and density functional method. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
30	Role of metal and amino acid on the growth and microhardness properties of tartaric acid crystals. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
31	Synthesis, growth, structural, optical, thermal, dielectric and laser damage threshold studies of new semi organic NLO crystal: Tetra aqua bis (hydrogen maleato) cobalt II. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0