

# Godavarthi Bhagavannarayana

## List of Publications by Year in descending order

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263  
papers

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87401

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#	ARTICLE	IF	CITATIONS
1	A comparative study of 4-chloro 3-nitro benzophenone crystals grown by slow evaporation solution and Sankaranarayanan-Ramasamy methods. Journal of Materials Science: Materials in Electronics, 2022, 33, 7973-7982.	1.1	1
2	Effect of malachite green dye doping in trithiourea zinc (II) sulphate single crystal—a potential nonlinear optical material. Journal of Materials Science: Materials in Electronics, 2021, 32, 2564-2578.	1.1	11
3	Influence of L-Phenylalanine doping on potassium dihydrogen phosphate: crystal growth, structural, optical and mechanical traits. Journal of Materials Science: Materials in Electronics, 2021, 32, 5698-5712.	1.1	2
4	Effect of 2,4-dinitrophenol dye doping on trithiourea zinc(II) sulfate single crystals: a potential nonlinear optical material. Journal of Applied Crystallography, 2020, 53, 972-981.	1.9	9
5	Synthesis, growth and characterization of dichlorobis(4-chloroaniline-N)zinc semiorganic crystal. Journal of Materials Science: Materials in Electronics, 2018, 29, 4147-4154.	1.1	1
6	Investigations on the growth, structural, optical, mechanical, dielectric and SHG behaviour of GPMG crystals. Materials Research Innovations, 2018, 22, 115-120.	1.0	2
7	Bulk growth, structural, vibrational, crystalline perfection, optical and dielectric properties of L-threonine doped KDP single crystals grown by Sankaranarayanan-Ramasamy (SR) method. Materials Research Innovations, 2017, 21, 106-114.	1.0	9
8	Crystal growth, structural, low temperature thermoluminescence and mechanical properties of cubic fluoroperovskite single crystal (LiBaF <sub>3</sub> ). Optical Materials, 2017, 72, 559-564.	1.7	7
9	Growth and characterization of alkali metal doped L-arginine acetate single crystals for higher harmonic generation. Journal of Materials Science: Materials in Electronics, 2017, 28, 4440-4448.	1.1	3
10	Effect of ampoule support on the growth of organic benzimidazole single crystals by vertical Bridgman technique for nonlinear optical applications. CrystEngComm, 2016, 18, 4844-4850.	1.3	16
11	VGF bulk growth, crystalline perfection and mechanical studies of CdZnTe single crystal: A detector grade materials. Journal of Alloys and Compounds, 2016, 686, 438-446.	2.8	33
12	Growth, optical, spectral and thermal characterization of brucinium hydrogen fumarate sesquihydrate: An organic material for optical applications. Optik, 2016, 127, 1176-1183.	1.4	6
13	Crystalline perfection, thermal, optical and dielectric studies on organic L-alanine L-alaninium picrate monohydrate single crystals. Materials Research Innovations, 2016, 20, 138-144.	1.0	3
14	Optical investigations on Tb <sup>3+</sup> doped L-Histidine hydrochloride mono hydrate single crystals grown by low temperature solution techniques. Optical Materials, 2016, 54, 74-83.	1.7	12
15	A comparative analysis of chromium doped L-alanine cadmium chloride monohydrate single crystal using X-ray diffraction, thermal and optical techniques for nonlinear optical applications. Optik, 2016, 127, 3723-3726.	1.4	1
16	Growth, crystalline perfection, optical, thermal, laser damage threshold and electrical characterization of melaminium levulinate monohydrate single crystal. Journal of Crystal Growth, 2015, 426, 86-94.	0.7	18
17	Synthesis, crystal growth and characterization of an organic material: 2-Aminopyridinium succinate succinic acid single crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 765-771.	2.0	35
18	Co(II), Co(II)+Mn(II), Co(II)+Ni(II) Co-doping Effects on Tris(thiourea)zinc(II) Sulphate Crystals: A Comparative Study. Molecular Crystals and Liquid Crystals, 2015, 623, 179-193.	0.4	4

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19	A physico-chemical approach to study the experimental and theoretical properties of L-ornithine monohydrochloride: An organic nonlinear optical material. <i>Materials Chemistry and Physics</i> , 2015, 155, 36-46.	2.0	39
20	Growth and characterization of organic single crystal benzyl carbamate. <i>Journal of Crystal Growth</i> , 2015, 427, 24-28.	0.7	7
21	Crystalline perfection and optical studies of L-Histidinium dihydrogen phosphate orthophosphoric acid (LHDP) single crystals. <i>Optical Materials</i> , 2015, 48, 156-159.	1.7	4
22	Vibrational spectroscopic studies of Lithium para nitrophenolate trihydrate single crystal suitable for NLO applications. <i>Optik</i> , 2015, 126, 2994-2998.	1.4	2
23	Investigation on nucleation kinetics, structural and dielectric properties of an organic NLO single crystal L-Histidinium maleate (LHM). <i>Journal of Crystal Growth</i> , 2015, 423, 22-27.	0.7	15
24	Investigations of structural defects, crystalline perfection, metallic impurity concentration and optical quality of flat-top KDP crystal. <i>Optical Materials</i> , 2015, 46, 329-338.	1.7	40
25	Enhancement of thermoelectric figure of merit in Bi <sub>2</sub> Se <sub>3</sub> crystals through a necking process. <i>Journal of Applied Crystallography</i> , 2015, 48, 533-541.	1.9	19
26	Structural and optical properties of LiKB <sub>4</sub> O <sub>7</sub> single crystals grown by Czochralski technique. <i>Materials Chemistry and Physics</i> , 2015, 160, 369-374.	2.0	8
27	Urea/thiourea induced crystal growth of ammonium nickel sulfate hexahydrate and characterization studies. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 963-968.	2.0	6
28	Growth and characterization of a new organic nonlinear optical crystal: 1-(3-Nitrophenyl)-5-phenylpenta-2,4-dien-1-one. <i>Optics and Laser Technology</i> , 2015, 71, 108-113.	2.2	31
29	Crystal growth of Ru-doped congruent LiNbO <sub>3</sub> and investigation of crystalline perfection and optical properties. <i>Journal of Applied Crystallography</i> , 2015, 48, 1753-1760.	1.9	7
30	Investigation on structural, spectral, and thermal properties of L-histidinium glutarate monohydrate (LHG). <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 333-338.	2.0	17
31	Au <sup>9+</sup> swift heavy ion irradiation of Zn[CS(NH <sub>2</sub> ) <sub>2</sub> ] <sub>3</sub> SO <sub>4</sub> crystal: Crystalline perfection and optical properties. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 338, 1-7.	0.6	14
32	Optical spectroscopy, crystalline perfection, etching and mechanical studies on P-nitroaniline (PNA) single crystals. <i>Optical Materials</i> , 2014, 36, 675-681.	1.7	64
33	Growth, crystalline perfection, spectral, thermal and theoretical studies on imidazolium L-tartrate crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 663-669.	2.0	40
34	Growth and characterization of Cu (II) doped negatively soluble lithium sulfate monohydrate crystals. <i>Journal of Crystal Growth</i> , 2014, 386, 32-37.	0.7	38
35	Studies of the structural and third-order nonlinear optical properties of solution grown 4-hydroxy-3-methoxy-4-ethyl-2-methylstilbazolium tosylate monohydrate crystals. <i>Optical Materials</i> , 2014, 36, 988-995.	1.7	122
36	Crystal growth, spectral, structural and optical studies of π-conjugated stilbazolium crystal: 4-Bromobenzaldehyde-4-ethyl-2-methylstilbazolium tosylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 79-89.	2.0	27

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37	Investigations on the growth aspects and characterization of semiorganic nonlinear optical single crystals of l-histidine and its hydrochloride derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 508-513.	2.0	15
38	Bulk growth of ninhydrin single crystals by solvent evaporation method and its characterization for SHG and THG applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 309-314.	2.0	22
39	Investigation on the growth and characterization of 4-aminobenzophenone single crystal by the vertical dynamic gradient freeze technique. <i>Journal of Crystal Growth</i> , 2014, 390, 18-23.	0.7	7
40	Solid state parameters, structure elucidation, High Resolution X-Ray Diffraction (HRXRD), phase matching, thermal and impedance analysis on l-Proline trichloroacetate (l-PTCA) NLO single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 726-732.	2.0	7
41	Structure, crystal growth, optical and mechanical studies of poly bis (thiourea) silver (I) nitrate single crystal: A new semi organic NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 603-613.	2.0	30
42	Phase matching, X-Ray topography, optical and thermal analysis of L-alanine cadmium chloride monohydrate: a nonlinear optical material. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 1257-1265.	1.1	14
43	Growth, crystal perfection, optical and electrical properties of organic crystal: Brucinium 5-sulfosalicylate trihydrate. <i>Optik</i> , 2014, 125, 6881-6886.	1.4	9
44	Crystal growth, structural and optical properties of an organic ion-complex crystal: 4-N,N-dimethylamino-4-ethyl-2-methylstilbazolium iodide. <i>Optik</i> , 2014, 125, 5641-5646.	1.4	14
45	Growth, structural and mechanical analysis of a single crystal of l-prolinium tartrate: a promising material for nonlinear optical applications. <i>CrystEngComm</i> , 2014, 16, 9245-9254.	1.3	42
46	Synthesis, growth, structure, spectral, crystalline perfection and theoretical studies on (E)-N-(diphenylmethylene)isonicotinohydrazide dihydrate crystals. <i>Optik</i> , 2014, 125, 4181-4185.	1.4	10
47	Key aspects of l-threoninium picrate single crystal: an excellent organic nonlinear optical material with a high laser-induced damage threshold. <i>RSC Advances</i> , 2014, 4, 56188-56199.	1.7	42
48	Crystal growth, structural, optical and dielectric studies of ammonium p-toluenesulfonate. <i>Journal of Crystal Growth</i> , 2014, 408, 14-18.	0.7	13
49	Studies on bulk growth, structural and microstructural characterization of 4-aminobenzophenone single crystal grown from vertical Bridgman technique. <i>Bulletin of Materials Science</i> , 2014, 37, 151-156.	0.8	12
50	Studies on the growth, thermal and optical properties of 4-aminopyridinium p-aminobenzoate dihydrate single crystals. <i>Journal of Crystal Growth</i> , 2014, 397, 1-5.	0.7	25
51	Growth, structure and spectral studies of a novel mixed crystal potassium zinc manganese sulphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 9-12.	2.0	11
52	Effect of organic ligands (l-Proline and l-Methionine) on growth, structural, vibrational, crystalline perfection, SHG efficiency, microscopic and optical properties of KDP single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 571-578.	2.0	17
53	Structural, spectroscopic, optical, dielectric and mechanical study of pure and l-Proline doped ammonium dihydrogen phosphate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 376-384.	2.0	22
54	Synthesis, crystal growth and mechanical properties of Bismuth Silicon Oxide (BSO) single crystal. <i>Journal of Alloys and Compounds</i> , 2014, 588, 242-247.	2.8	17

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55	Crystal growth, structural, thermal and mechanical behavior of L-arginine 4-nitrophenolate 4-nitrophenol dihydrate (LAPP) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 396-402.	2.0	15
56	Experimental and theoretical studies on bis(glycine) lithium nitrate (BGLiN): A physico-chemical approach. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 959-965.	1.9	33
57	A study of as-grown, poled and reduced Rh-doped KNbO <sub>3</sub> single crystals by high-resolution X-ray diffraction, Raman scattering, photoluminescence and dielectric measurements. <i>Journal of Applied Crystallography</i> , 2014, 47, 1324-1328.	1.9	2
58	Synthesis, growth, and characterization of iminodiacetic acid monohydrochloride. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1113-1119.	2.0	3
59	Growth and structural investigation of new polycrystalline Ga <sub>3</sub> Se <sub>4</sub> semiconductor: Evaluation of its dielectric properties. <i>Optik</i> , 2013, 124, 3215-3218.	1.4	1
60	Synthesis, growth, crystalline perfection of 4-bromo-4- $\epsilon^2$ -dimethylamino benzylideneaniline (BDMABA) and photons absorption of BDMABA crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 403-408.	2.0	17
61	Studies of structural, third order nonlinear optical and laser damage threshold properties of diethylammonium p-hydroxybenzoate single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 711-717.	1.1	16
62	Crystal growth, structural, crystalline perfection, optical and mechanical properties of Nd <sup>3+</sup> doped sulfamic acid (SA) single crystals. <i>Journal of Crystal Growth</i> , 2013, 380, 228-235.	0.7	32
63	Role of nanocrystalline ZnO coating on the stability of porous silicon formed on textured (100) Si. <i>Applied Surface Science</i> , 2013, 285, 564-571.	3.1	6
64	An extensive investigation on nucleation, growth parameters, crystalline perfection, spectroscopy, thermal, optical, microhardness, dielectric and SHG studies on potential NLO crystal $\alpha$ -Ammonium Hydrogen L-tartarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 388-399.	2.0	28
65	Nucleation kinetics, growth, mechanical, thermal and optical characterization of sulphamic acid single crystal. <i>CrystEngComm</i> , 2013, 15, 10034.	1.3	26
66	Growth, structure, crystalline perfection and characterization of Mg(II)-incorporated tris(thiourea)Zn(II) sulfate crystals: Enhanced second harmonic generation (SHG) efficiency. <i>Journal of Alloys and Compounds</i> , 2013, 548, 201-207.	2.8	23
67	Effect of KOH on glycine phosphite single crystal grown by the SR method. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 70-74.	1.9	25
68	Growth of ADP $\alpha$ -KDP mixed crystal and its optical, mechanical, dielectric, piezoelectric and laser damage threshold studies. <i>Journal of Crystal Growth</i> , 2013, 362, 338-342.	0.7	26
69	Crystalline perfection, optical and third harmonic generation analyses of non-linear optical single crystal of L-lysine acetate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 192-199.	2.0	22
70	Analysis on structural, SHG efficiency, optical and mechanical properties of KDP single crystals influenced by Glycine doping. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 199-204.	2.0	39
71	X-ray topography, photopyroelectric and two-photon absorption studies on solution grown benzimidazole single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 55-58.	1.1	6
72	Growth, structural, optical and laser damage threshold studies of organic picolinium picrate monohydrate single crystals. <i>Optik</i> , 2013, 124, 5792-5796.	1.4	8

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73	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.	2.0	39
74	In situ growth and ab initio optical characterizations of amorphous Ga <sub>3</sub> Se <sub>4</sub> thin film: A new chalcogenide compound semiconductor thin film. <i>Scripta Materialia</i> , 2013, 69, 381-384.	2.6	14
75	Effect of crucible design on crystalline perfection and the enhanced optical properties of benzimidazole single crystals grown by the vertical Bridgman technique. <i>Journal of Applied Crystallography</i> , 2013, 46, 276-278.	1.9	14
76	Studies on growth, structural, optical and mechanical properties of xlenol orange dye admixed l-arginine phosphate single crystal. <i>Optik</i> , 2013, 124, 4058-4063.	1.4	17
77	Characterization of ZnSe single crystal grown by VBT using two zone tubular furnace: An excellent material for optoelectronic devices. <i>Optik</i> , 2013, 124, 985-989.	1.4	8
78	Structural, optical and thermal properties of Zr <sup>2+</sup> /Fe co-doped congruent LiNbO <sub>3</sub> single crystals. <i>Journal of Applied Crystallography</i> , 2013, 46, 601-609.	1.9	15
79	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.	2.0	40
80	Crystal growth, structural, thermal, optical and laser damage threshold studies of 8-hydroxyquinolinium hydrogen maleate single crystals. <i>Journal of Crystal Growth</i> , 2013, 375, 6-9.	0.7	41
81	Growth and characterization of hexaaquacobalt(II) dipotassium tetrahydrogen tetra-o-phthalate tetrahydrate crystals. <i>Materials Chemistry and Physics</i> , 2013, 139, 623-628.	2.0	3
82	Growth, HR-XRD, optical, thermal, luminescence and nonlinear optical studies of novel organic nonlinear optical crystal: l-Threonine formate. <i>Optik</i> , 2013, 124, 3718-3722.	1.4	8
83	Growth and characterization analyses of pure and p-nitroaniline doped l-lysine monohydrochloride single crystal for nonlinear optical applications. <i>Optik</i> , 2013, 124, 1550-1554.	1.4	10
84	Studies on the effect of nickel on growth, structural, optical, electrical, thermal and mechanical properties of l-valinium picrate. <i>Optik</i> , 2013, 124, 493-500.	1.4	8
85	Single crystal growth of ninhydrin by unidirectional Sankaranarayanan's Ramasamy (SR) method by using a glass ampoule for nonlinear optical applications. <i>CrystEngComm</i> , 2013, 15, 2127.	1.3	31
86	Characterization of ZnTe single crystal grown by Vertical Bridgman Technique using two zone tubular furnace: An important material for optoelectronic devices. <i>Optik</i> , 2013, 124, 1995-1999.	1.4	15
87	Effect of rare earth ions on the properties of glycine phosphite single crystals. <i>Journal of Crystal Growth</i> , 2013, 362, 343-348.	0.7	19
88	A novel comparative study of crystalline perfection and optical homogeneity in Nd:GGG crystals grown by the Czochralski technique with different crystal/melt interface shapes. <i>Journal of Applied Crystallography</i> , 2013, 46, 1640-1644.	1.9	1
89	Effect of Mg doping on the growth aspects, crystalline perfection, and optical and thermal properties of congruent LiNbO <sub>3</sub> single crystals. <i>Journal of Applied Crystallography</i> , 2013, 46, 1854-1862.	1.9	10
90	Second Harmonic Generation in Some Donor-Acceptor Substituted Chalcone Derivatives. <i>Journal of Crystallization Process and Technology</i> , 2013, 03, 108-117.	0.6	20

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91	Improvement in Structural, Dielectric, Ferroelectric and Mechanical Properties in Metal Ions Doped Glycine Phosphite Single Crystals. <i>Ferroelectrics</i> , 2012, 437, 126-136.	0.3	4
92	Synthesis, structure, growth and characterization of an organic crystal: 1,5-diphenylpenta-2,4-dien-1-one. <i>Journal of Applied Crystallography</i> , 2012, 45, 914-920.	1.9	10
93	Studies on growth, structural, dielectric, laser damage threshold, linear and nonlinear optical properties of methylene blue admixed l-arginine phosphate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 27-32.	2.0	11
94	The concentration effects of s-, p-, d- and f-block element doping on the growth, crystalline perfection and properties of KDP crystals. <i>CrystEngComm</i> , 2012, 14, 3813.	1.3	12
95	Growth, optical, mechanical and thermal studies of diglycine cadmium chloride single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 1225-1232.	2.0	8
96	Crystal growth, structural and photoluminescence studies of L-tyrosine hydrobromide semi organic single crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1296-1301.	1.9	22
97	Structural and Mechanical Studies of Semi-Organic NLO Material: Zinc Thiourea Chloride. <i>Materials and Manufacturing Processes</i> , 2012, 27, 53-57.	2.7	4
98	Crystalline perfection, Raman, UV-VIS-NIR and prism coupler investigations on Cz-grown pure and Zn-doped LiNbO <sub>3</sub> single crystals. <i>CrystEngComm</i> , 2012, 14, 3297.	1.3	37
99	Investigations on growth and crystalline perfection of an organic Schiff base material: 4-Chloro-4-bromobenzylidene aniline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 716-722.	2.0	9
100	Synthesis, growth, structural, optical, spectral, thermal and mechanical studies of 4-methoxy 4-nitrostilbene (MONS): A new organic nonlinear optical single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 995-1001.	2.0	22
101	Crystal growth, structure, crystalline perfection and characterization of zinc magnesium ammonium sulfate hexahydrate mixed crystals Zn <sub>x</sub> Mg <sub>(1-x)</sub> (NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> ·6H <sub>2</sub> O. <i>Journal of Crystal Growth</i> , 2012, 352, 137-142.	0.7	16
102	Enhancement of structural perfection of alkali halide single crystals by doping with copper. <i>Journal of Crystal Growth</i> , 2012, 353, 95-100.	0.7	7
103	Growth of cerium(III)-doped ADP crystals and characterization studies. <i>Journal of Crystal Growth</i> , 2012, 354, 57-61.	0.7	10
104	Studies on synthesis, growth, structural, thermal, linear and nonlinear optical properties of organic picolinium maleate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 7-13.	2.0	15
105	Effect of l-alanine, Mn(II) and glycine dopants on the structural, crystalline perfection, second harmonic generation (SHG), dielectric and mechanical properties of BTCA single crystals. <i>Materials Chemistry and Physics</i> , 2012, 137, 276-281.	2.0	23
106	Synthesis, growth, structure and characterization of nickel(II)-doped hexaaquacobalt(II) dipotassium tetrahydrogen tetra-o-phthalate tetrahydrate crystals. <i>Solid State Sciences</i> , 2012, 14, 1355-1360.	1.5	7
107	Structural, electrical, thermal and optical properties of the nonlinear optical crystal L-Arginine Fluoride. <i>Crystal Research and Technology</i> , 2012, 47, 620-629.	0.6	4
108	Effect of alkali metal doping on the properties and crystalline perfection of bis(thiourea)zinc(II) chloride crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 927-932.	2.0	13

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109	Effect of magnesium doping on the properties and crystalline perfection of bis(thiourea)zinc(II) chloride crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 951-958.	2.0	15
110	Effect of Mn(II) doping on crystalline perfection, nonlinear, optical and mechanical properties of KDP single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 477-484.	1.1	16
111	Synthesis, growth and optical properties of semi organic non linear optical single crystal: l-Arginine acetate. <i>Optik</i> , 2012, 123, 189-192.	1.4	18
112	Synthesis, growth of single crystals and their characterization: l-Alaninium maleate (LAM). <i>Optik</i> , 2012, 123, 604-608.	1.4	19
113	Effect of annealing on Bridgman grown organic scintillation material of trans-stilbene. <i>Materials Chemistry and Physics</i> , 2012, 132, 453-457.	2.0	6
114	Effect of magnesium chloride on growth, crystalline perfection, structural, optical, thermal and NLO behavior of l <sup>3</sup> -glycine crystals. <i>Materials Chemistry and Physics</i> , 2012, 134, 371-376.	2.0	48
115	The growth of benzophenone crystals by Sankaranarayananâ€™s Ramasamy (SR) method and slow evaporation solution technique (SEST): A comparative investigation. <i>Materials Research Bulletin</i> , 2012, 47, 826-835.	2.7	75
116	Growth, spectral, optical, thermal, crystallization perfection and nonlinear optical studies of novel nonlinear optical crystalâ€™ Urea thiosemicarbazone monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 345-351.	2.0	21
117	Growth, crystalline perfection and characterization of benzophenone oxime crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 207-211.	2.0	1
118	Optical, elemental and structural analyses of acetoacetanilide single crystals for nonlinear optical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 75-80.	2.0	9
119	Growth, crystalline perfection and characterization of Hexaaquanickel(II) dipotassium tetrahydrogen tetra-o-phthalate tetrahydrate crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 289-294.	2.0	6
120	Growth, structural, thermal, linear and nonlinear optical and laser damage threshold studies of Picolinium tartrate monohydrate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 310-316.	2.0	41
121	Synthesis, growth, structural, spectroscopic, crystalline perfection, second harmonic generation (SHG) and thermal studies of 2-aminopyridinium picrate (2APP): A new nonlinear optical material. <i>Solid State Sciences</i> , 2012, 14, 773-776.	1.5	37
122	Unidirectional crystal growth and crystalline perfection of l-arginine phosphate monohydrate. <i>Journal of Applied Crystallography</i> , 2012, 45, 679-685.	1.9	12
123	Growth and characterization of benzil single crystals using nanotranslation by the modified vertical Bridgman technique. <i>CrystEngComm</i> , 2011, 13, 4018.	1.3	48
124	Optical, crystalline perfection and mechanical studies on unidirectional grown bis(thiourea) cadmium zinc chloride single crystal. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2343-2347.	2.8	20
125	Crystal growth, structural and thermal studies of amino acids admixed l-arginine phosphate monohydrate single crystals. <i>Solid State Sciences</i> , 2011, 13, 915-922.	1.5	10
126	Synthesis, growth, optical, mechanical, dielectric and thermal properties of 4-chloro-4â€™-chlorobenzylidene aniline single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 91-96.	2.0	29



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127	Growth and characterization of thiosemicarbazide hydrochloride: A semiorganic NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 102-107.	2.0	9
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