

Parthiban Shanmugasundaram

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Interesting Correlation between Crystalline Perfection and Second Harmonic Generation Efficiency on KCl- and Oxalic Acid-Doped ADP Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 446-451.	1.4	177
2	Enhancement of crystalline perfection by organic dopants in ZTS, ADP and KHP crystals as investigated by high-resolution XRD and SEM. <i>Journal of Applied Crystallography</i> , 2006, 39, 784-790.	1.9	175
3	Effect of organic dopants on ZTS single crystals. <i>Journal of Crystal Growth</i> , 2006, 293, 376-381.	0.7	70
4	Effect of chelating agent (1,10-phenanthroline) on potassium hydrogen phthalate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 94, 21-25.	2.0	67
5	Effect of zinc(II) doping on thermal and optical properties of potassium hydrogen phthalate (KHP) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 751-756.	2.0	43
6	Rare earth cerium doping effects in nonlinear optical materials: potassiumhydrogen phthalate (KHP) and tris(thiourea)zinc(II) sulfate (ZTS). <i>CrystEngComm</i> , 2010, 12, 493-499.	1.3	43
7	The influence of Mn-doping on the nonlinear optical properties and crystalline perfection of tris(thiourea)zinc(II) sulphate crystals: Concentration effects. <i>Journal of Crystal Growth</i> , 2009, 311, 960-965.	0.7	35
8	Influence of alkali metal sodium doping on the properties of potassium hydrogen phthalate (KHP) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 861-865.	2.0	30
9	Os(VIII) doping effects on the properties and crystalline perfection of potassium hydrogen phthalate (KHP) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 793-799.	2.0	30
10	Influence of organic solvent on tris(thiourea)zinc(II)sulphate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 125-129.	2.0	26
11	Effect of low and high concentrations of KCl dopant on ADP crystal properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 77-80.	2.0	23
12	Effect of alkaline earth and transition metals doping on the properties and crystalline perfection of potassium hydrogen phthalate (KHP) crystals. <i>CrystEngComm</i> , 2009, 11, 1635.	1.3	21
13	Influence of inorganic and organic additives on the crystal growth, properties and crystalline perfection of tris(thiourea)copper(I) chloride (TCC) crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2575-2583.	0.7	20
14	Effect of complexing agent (1,10-phenanthroline) on ADP and KDP crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 94, 15-20.	2.0	18
15	Thermal and optical properties of ZTS single crystals in the presence of 1,10-phenanthroline (Phen). <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 831-837.	2.0	17
16	Thermal and optical properties of Cu(II)-doped magnesium rubidium sulfate hexahydrate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 963-967.	2.0	16
17	Novel Ag@TiO ₂ /ZnFe ₂ O ₄ Nanocomposites for Effective Photocatalytic, Electrocatalytic and Cytotoxicity Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 709-718.	0.9	13
18	Effect of anthracene doping on potassium hydrogen phthalate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 821-826.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Synthesis, structural characterization, Hirshfeld surface analysis and third-order nonlinear optical properties of Schiff bases derived from 1,1-diphenylmethanamine. <i>Journal of Molecular Structure</i> , 2022, 1251, 131942.	1.8	9
20	Influence of Vo(II) doping on the thermal and optical properties of magnesium rubidium sulfate hexahydrate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 881-885.	2.0	8
21	The effect of Co ²⁺ -doping on tetra(thiourea)copper(I) chloride crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 94, 53-57.	2.0	7
22	Synthesis, structural characterization, and Hirshfeld surface analysis of novel NLO active 1-methyl-1,3,5,7-tetraazaadamantan-1-ium 3-carboxy-5-nitrobenzoate hydrate. <i>Journal of Molecular Structure</i> , 2022, 1269, 133740.	1.8	7
23	Synthesis, Crystal Structure and NLO Properties of a Mixed Crystal $K_1 \times (NH_4)_x H_2PO_4$ ($x \approx 0.5$). <i>Journal of Chemical Crystallography</i> , 2011, 41, 111-114.	0.5	6
24	Metal-organic hybrids of tin(IV): Synthesis, crystal structure, third-order nonlinear optical properties and Hirshfeld surface analysis of bis(1,2,3,4-tetrahydroquinolinium) hexahalostannate(IV). <i>Journal of Molecular Structure</i> , 2021, 1237, 130421.	1.8	6
25	Influence of Cd(II) doping on the thermal and optical properties of ammonium dihydrogen phosphate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 871-878.	2.0	4
26	Thermal, mechanical, and optical studies of NaBr-added l-alanine crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1025-1030.	2.0	2
27	Influence of picric acid on SHG efficiency of tris (thiourea) zinc(II) sulphate (ZTS). <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 953-958.	2.0	2
28	Self-assembled organic-inorganic hybrids: Synthesis, structural, third-order nonlinear optical properties and Hirshfeld surface analysis of bis(1,2,3,4-tetrahydroisoquinolin-2-ium) hexahalostannate(IV). <i>Journal of Molecular Structure</i> , 2021, 1245, 131092.	1.8	2
29	Crystal growth and optical properties of ammonium dihydrogen phosphate (ADP) crystals doped with Fe(II) and Fe(III): Oxidation number effects. <i>Materials Today: Proceedings</i> , 2020, 29, 1119-1124.	0.9	1
30	Effect of alkali metals doping on the properties of ZTS crystals (tris(thiourea)zinc(II)sulphate). <i>Materials Today: Proceedings</i> , 2021, 49, 2592-2592.	0.9	0
31	The influence of Mn (II) "Doping on the non-linear optical properties and crystalline perfection of ADP crystals. <i>Materials Today: Proceedings</i> , 2021, 49, 2569-2569.	0.9	0
32	The Influence of Mn(II) Doping on the Properties of ADP Crystals. <i>Materials Focus</i> , 2015, 4, 409-411.	0.4	0
33	Synthesis, spectral, structural characterization and Hirshfeld surface analysis of bis(4-hydroxypyridinium) hexachlorostannate(IV) hybrid. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-15.	0.4	0