

P Karuppasamy

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

608
citations

687363

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32
docs citations

32
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Immersing ampoule Sankaranarayananâ€™s Ramasamy (ISR) method: Unidirectional high-quality single crystal growth. <i>Journal of Crystal Growth</i> , 2022, 577, 126401.	1.5	3
2	Growth of large size Triphenylphosphine Oxide 4-Nitrophenol (TP4N) single crystal by Sankaranarayananâ€™s Ramasamy (SR) method for third order nonlinear optical applications. <i>Chinese Journal of Physics</i> , 2022, 76, 68-78.	3.9	2
3	A study of the phase transition by the electrical resistivity and photocurrent on TGS crystal grown using the unidirectional growth method of Sankaranarayananâ€™s Ramasamy. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 5763.	2.2	0
4	Influence of ⁶⁰ Co gamma irradiation on the structural and optical properties of 2-aminopyridinium 4-nitrophenolate 4-nitrophenol crystals. <i>Current Applied Physics</i> , 2022, 37, 1-7.	2.4	2
5	Synthesis, crystal growth, structural and physicochemical properties of an organic single crystal (C ₁₁ H ₁₆ N ₂ O ₄) for fast scintillation and NLO applications. <i>CrystEngComm</i> , 2022, 24, 2867-2877.	2.6	1
6	Synthesis and growth of new organic 2-amino-4,6-dimethylpyrimidinium trifluoroacetate (AMPTF) single crystals for nonlinear optical (NLO) applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8035-8047.	2.2	3
7	Investigation on Tetracycline degradation and bactericidal properties of binary and ternary ZnO/NiO/g-C ₃ N ₄ composites prepared by a facile co-precipitation method. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107368.	6.7	24
8	Investigation of structural, optical, and thermal properties of 2-amino-4,6-dimethylpyrimidine benzoic acid (2APB) single crystal for non-linear optical (NLO) applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 17780-17792.	2.2	8
9	Unidirectional crystal growth of L-alanine doped triglycine sulphate crystals along [010] polar direction in ferroelectric and paraelectric temperature ranges, and their comparative characterizations. <i>Materials Research Bulletin</i> , 2021, 134, 111118.	5.2	4
10	Synthesis, crystal growth, and physicochemical characterization of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol (4AP4NP) single crystals for NLO applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6141-6157.	2.2	17
11	Crystal growth and physico-chemical characterization of semi-organic [C ₄ H ₁₂ N ₂] ZnCl ₄ ·H ₂ O single crystal for laser applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16467-16480.	2.2	9
12	Device-relevant properties of [010]-oriented undoped TGS single crystals grown above and below the phase transition temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15778-15788.	2.2	4
13	Bulk crystal growth, crystalline perfection and optical homogeneities of 2AP4N single crystals for second and third order frequency conversion and terahertz (THz) device applications. <i>Optical Materials</i> , 2021, 118, 111261.	3.6	11
14	Combustion synthesis, characterization and antibacterial properties of pristine ZnO and Ga doped ZnO nanoparticles. <i>Ceramics International</i> , 2021, 47, 27934-27941.	4.8	18
15	Studies on semi-organic (C ₈ H ₁₁ NO) ₂ [ZnCl ₄] single crystal for nonlinear optical (NLO) applications. <i>Journal of Crystal Growth</i> , 2020, 535, 125528.	1.5	30
16	Growth and characterization of novel organic quinoline 4-nitrophenol (QNP) single crystals for frequency conversion applications. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
17	Growth of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol (4AP4N) single crystal and its structural, optical, electrical and laser damage threshold characterization. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
18	Fabrication of type-I and type-II SHG elements using organic 2-aminopyridinium 4-nitrophenolate 4-nitrophenol (2AP4N) single crystals grown by point seed rotation and novel RSR technique. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1

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19	Design and growth of novel organic molecular Quinoline 4-nitrophenol (QNP) single crystals: For Nonlinear optical (NLO) applications. Journal of Molecular Structure, 2020, 1210, 128036.	3.6	29
20	TGS crystal growth below and above Curie temperature (T _c). Journal of Crystal Growth, 2020, 546, 125793.	1.5	3
21	Optical and mechanical properties of Li ₂ Mg ₂ (MoO ₄) ₃ crystal grown by Czochralski method. Optik, 2020, 207, 164430.	2.9	2
22	Physicochemical properties of cesium tetroxalate dihydrate single crystal: An efficient material for nonlinear optical applications. Optical Materials, 2020, 107, 110033.	3.6	14
23	Synthesis, growth, structural, optical, thermal, laser damage threshold and computational perspectives of 4-nitrophenol 4-aminobenzoic acid monohydrate (4NPABA) single crystal. Journal of Molecular Structure, 2019, 1176, 254-265.	3.6	38
24	Growth of 2-amino 4,6-dimethyl pyrimidine 4-nitrophenol (AMP4N) single crystals for technological applications. AIP Conference Proceedings, 2019, , .	0.4	0
25	Growth of high-quality organic single crystal of 2-aminopyridinium 4-nitrophenolate 4-nitrophenol (2AP4N) by a novel Rotational Sankaranarayananâ€™Ramasamy (RSR) method. Journal of Crystal Growth, 2019, 518, 59-72.	1.5	16
26	Growth, structural, optical, thermal, laser damage threshold and theoretical investigations of organic nonlinear optical 2-aminopyridinium 4-nitrophenolate 4-nitrophenol (2AP4N) single crystal. Journal of Materials Science: Materials in Electronics, 2019, 30, 1553-1570.	2.2	14
27	Crystal growth, structural, optical, thermal, mechanical, laser damage threshold and electrical properties of triphenylphosphine oxide 4-nitrophenol (TP4N) single crystals for nonlinear optical applications. Optical Materials, 2018, 79, 152-171.	3.6	98
28	Crystal growth and characterization of semi organic nonlinear optical (NLO) piperazinium tetrachlorozincate monohydrate (PTCZ) single crystal. AIP Conference Proceedings, 2018, , .	0.4	2
29	Crystal growth of triphenylphosphine oxide 4-nitrophenol (TP4N) for nonlinear optical (NLO) applications. AIP Conference Proceedings, 2018, , .	0.4	1
30	Growth and characterization of semi-organic nonlinear optical (NLO) guanidinium trichloroacetate (GTCA) single crystal. Optik, 2018, 156, 707-719.	2.9	39
31	Synthesis, crystal growth, structure and characterization of a novel third order nonlinear optical organic single crystal: 2-Amino 4,6-Dimethyl Pyrimidine 4-nitrophenol. Optical Materials, 2018, 84, 475-489.	3.6	75
32	Growth and characterization of semi-organic third order nonlinear optical (NLO) potassium 3,5-dinitrobenzoate (KDNB) single crystals. RSC Advances, 2016, 6, 109105-109123.	3.6	140