

S Sudhahar

List of Publications by Year in descending order

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1,094
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430874

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#	ARTICLE	IF	CITATIONS
1	Celosia argentea leaf extract-mediated green synthesized iron oxide nanoparticles for bio-applications. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 625-640.	9.1	27
2	Experimental and theoretical evaluation of a novel organic proton transfer crystal p-Toluidinium 5-chloro-2-hydroxybenzoate for third order nonlinear optical applications. <i>Chinese Journal of Physics</i> , 2022, 75, 76-89.	3.9	1
3	Experimental and theoretical approach of novel third-order nonlinear optical single crystal: benzamide 5-chloro-2-hydroxybenzoic acid. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4579-4597.	2.2	1
4	Experimental and theoretical studies on new 2-amino-6-methylpyridinium 2,4-dihydroxybenzoate monohydrate organic single crystal for second order nonlinear optical applications. <i>Journal of Molecular Structure</i> , 2022, 1254, 132330.	3.6	7
5	Crystal growth and characterization of 2-amino-6-methylpyridinium p-chlorobenzoate dihydrate single crystal: a novel third-order nonlinear optical material for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4598-4616.	2.2	2
6	Environmental and biomedical applications in the synthesis and structural, optical, elemental characterizations of Mg doped ZnO nanoparticles using <i>Coleus aromaticus</i> leaf extract. <i>South African Journal of Botany</i> , 2022, 151, 290-300.	2.5	5
7	Green synthesis and characterization of CuO nanoparticles using <i>Panicum sumatrense</i> grains extract for biological applications. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 1993-2021.	3.1	12
8	Stoke shifted photoluminescence in Guanidinium lead halides for light emitting applications. <i>Chemical Physics Letters</i> , 2022, 800, 139693.	2.6	2
9	Green synthesis and biomedical behavior of Mg-doped ZnO nanoparticle using leaf extract of <i>Ficus religiosa</i> . <i>Ceramics International</i> , 2022, 48, 24619-24628.	4.8	11
10	Green synthesis of silver oxide nanoparticles using <i>Panicum miliaceum</i> grains extract for biological applications. <i>Advanced Powder Technology</i> , 2022, 33, 103645.	4.1	23
11	Investigations on effect of graphitic carbon nitride loading on the properties and electrochemical performance of g-C ₃ N ₄ /TiO ₂ nanocomposites for energy storage device applications. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105328.	4.0	44
12	Studies of crystal growth, structural, spectral and optical properties of solution grown 2-phenylethylaminium p-nitrophenolate monohydrate single crystals for efficient nonlinear optical applications. <i>Journal of Molecular Structure</i> , 2021, 1225, 129304.	3.6	10
13	Piperazinium bis (5-chlorosalicylate) – A new third order nonlinear optical single crystal. <i>Journal of Molecular Structure</i> , 2021, 1228, 129728.	3.6	19
14	Evolution of stability enhancement in organo-metallic halide perovskite photovoltaics-a review. <i>Materials Today Communications</i> , 2021, 27, 102159.	1.9	12
15	Green synthesis of lanthanum oxide nanoparticles using <i>Moringa oleifera</i> leaves extract and its biological activities. <i>Advanced Powder Technology</i> , 2021, 32, 1963-1971.	4.1	26
16	Physicochemical and quantum chemical calculations on new bis (2-amino-6-methylpyridinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 applications. <i>Chinese Journal of Physics</i> , 2021, 72, 100-125.	3.9	8
17	<i>Zephyranthes candida</i> flower extract mediated green synthesis of silver nanoparticles for biological applications. <i>Advanced Powder Technology</i> , 2021, 32, 4408-4419.	4.1	15
18	Physicochemical and computational perspectives of 8-hydroxyquinoline 5-chloro-2-hydroxybenzoic acid: a novel second-order nonlinear optical crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	0

#	ARTICLE	IF	CITATIONS
19	Effect of cytotoxicity and antibacterial activity of biosynthesis of ZnO hexagonal shaped nanoparticles by Echinochloa frumentacea grains extract as a reducing agent. <i>Materials Chemistry and Physics</i> , 2020, 239, 121976.	4.0	80
20	Investigations on structural, morphological and electrochemical properties of Co(OH) ₂ nanosheets embedded carbon nanotubes for supercapacitor applications. <i>Diamond and Related Materials</i> , 2020, 110, 108120.	3.9	12
21	Studies on structural, optical, homo-lumo and mechanical properties of piperazinium p-hydroxybenzoate monohydrate single crystal for nonlinear optical applications. <i>Chemical Physics Letters</i> , 2020, 758, 137934.	2.6	15
22	Investigation of the optical, photoluminescence, and dielectric properties of P-Toluidinium picrate single crystals. <i>Chinese Journal of Physics</i> , 2020, 67, 283-292.	3.9	19
23	Crystal growth, structural, optical, thermal, and mechanical properties of new bis(2-amino-6-methyl) Tj ETQq1 1 0.784314 rgBT /Over <i>Chinese Journal of Physics</i> , 2020, 68, 436-460.	3.9	9
24	Experimental and theoretical studies on 4-hydroxy-3-methoxybenzaldehyde nicotinamide organic co-crystal for third harmonic nonlinear optical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 18937-18953.	2.2	9
25	Investigations and fabrication of Ni(OH) ₂ encapsulated carbon nanotubes nanocomposites based asymmetrical hybrid electrochemical supercapacitor. <i>Journal of Energy Storage</i> , 2020, 32, 101934.	8.1	23
26	Green synthesis of CuO nanoparticles via Allium sativum extract and its characterizations on antimicrobial, antioxidant, antilarvicidal activities. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104123.	6.7	119
27	Evaluations of biosynthesized Ag nanoparticles via Allium Sativum flower extract in biological applications. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3675-3691.	3.1	30
28	Growth, experimental and theoretical investigations on 4-hydroxy-3-methoxybenzaldehyde 5-chloro-2-hydroxybenzoic acid: A new high second order nonlinear optical material. <i>Journal of Molecular Structure</i> , 2020, 1217, 128406.	3.6	10
29	Green synthesis of Silver oxide nanoparticles using Zephyranthes Rosea flower extract and evaluation of biological activities. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104137.	6.7	78
30	Green Synthesis of CuO nanoparticles via Plectranthus amboinicus leaves extract with its characterization on structural, morphological, and biological properties. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3953-3971.	3.1	41
31	Synthesis, growth and physicochemical characterization of 8-hydroxyquinolinium 3,4 dimethoxybenzoate, a novel organic nonlinear optical single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	13
32	Physicochemical and DFT studies on new organic Bis-(2-amino-6-methylpyridinium) succinate monohydrate good quality single crystal for nonlinear optical applications. <i>Journal of Molecular Structure</i> , 2020, 1212, 128069.	3.6	32
33	Enhanced electrochemical studies of ZnO/CNT nanocomposite for supercapacitor devices. <i>Physica B: Condensed Matter</i> , 2019, 568, 51-59.	2.7	79
34	Synthesis, growth, structural, thermal and optical studies of pyrrolidinium-2-carboxylate-4-nitrophenol single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 333-339.	3.9	17
35	Studies of the structural and third-order nonlinear optical properties of solution grown 4-hydroxy-3-methoxy-4- ϵ -methylstilbazolium tosylate monohydrate crystals. <i>Optical Materials</i> , 2014, 36, 988-995.	3.6	122
36	Crystal growth, structural, linear and nonlinear optical studies of 4-methyl-4- ϵ -methylstilbazolium tosylate single crystals. <i>Optik</i> , 2014, 125, 751-755.	2.9	34

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37	Crystal growth, spectral, structural and optical studies of π -conjugated stilbazolium crystal: 4-Bromobenzaldehyde-4- π -N-methylstilbazolium tosylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 79-89.	3.9	27
38	Synthesis, crystal growth, structural, thermal, optical and mechanical properties of solution grown 4-methylpyridinium 4-hydroxybenzoate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 929-937.	3.9	42
39	Effect of Sm ⁺ Rare Earth Ion on the Structural, Thermal, Mechanical and Optical Properties of Potassium Hydrogen Phthalate Single Crystals. <i>Journal of Materials Science and Technology</i> , 2014, 30, 13-18.	10.7	19
40	Studies on Structural, Spectral, and Optical Properties of Organic Nonlinear Optical Single Crystal: 2-Amino-4,6-dimethylpyrimidinium p-Hydroxybenzoate. <i>Journal of Materials</i> , 2013, 2013, 1-7.	0.1	21
41	Investigation on Rare Earth Doped Nonlinear Optical Potassium Hydrogen Phthalate (KHP) Single Crystals. <i>Advanced Materials Research</i> , 2012, 584, 56-59.	0.3	2
42	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.	3.9	15
43	Investigations on Electrochemical Performance of Hausmannite Manganese Oxide Nanoparticles in KOH and Na ₂ SO ₄ Electrolytes for Energy Storage Applications. <i>Nano</i> , 0, , .	1.0	1