

Kanadasamy Anitha

List of Publications by Year in descending order

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86
papers

1,143
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430442

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docs citations

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times ranked

1095
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#	ARTICLE	IF	CITATIONS
1	Synthesis and spectral characterization of Schiff base complexes of Cu(II), Co(II), Zn(II) and VO(IV) containing 4-(4-aminophenyl)morpholine derivatives: Antimicrobial evaluation and anticancer studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 87-94.	2.0	117
2	Synthesis, crystal growth, structure and characterization of a novel third order nonlinear optical organic single crystal: 2-Amino 4,6-Dimethyl Pyrimidine 4-nitrophenol. <i>Optical Materials</i> , 2018, 84, 475-489.	1.7	75
3	DNA interaction, antimicrobial, antioxidant and anticancer studies on Cu(II) complexes of Luotonin A. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 20-28.	1.7	55
4	Investigation on growth, structure and characterization of succinate salt of 8-hydroxyquinoline: An organic NLO crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 44-53.	2.0	38
5	Experimental and theoretical investigation on 2-amino 5-bromopyridinium L-tartrate-A new organic charge-transfer crystal for optoelectronics device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1124-1135.	1.1	33
6	Augmented photocatalytic and electrochemical activities of Ag tailored LaCoO ₃ perovskite semiconductor. <i>Materials Letters</i> , 2018, 218, 205-208.	1.3	30
7	Structural, optical, thermal, dielectric, laser damage threshold and Z-scan studies on fumarate salt of creatinine: A promising third-order nonlinear optical material. <i>Materials Letters</i> , 2017, 206, 30-33.	1.3	29
8	Design and growth of novel organic molecular Quinoline 4-nitrophenol (QNP) single crystals: For Nonlinear optical (NLO) applications. <i>Journal of Molecular Structure</i> , 2020, 1210, 128036.	1.8	29
9	Synthesis, growth, characterization and quantum chemical investigations of a promising organic nonlinear optical material: Thiourea-glutaric acid. <i>Journal of Molecular Structure</i> , 2018, 1171, 915-925.	1.8	28
10	Experimental and density functional theory (DFT): A dual approach to probe the key properties of creatininium l-tartrate monohydrate single crystal for nonlinear optical applications. <i>Journal of Molecular Structure</i> , 2017, 1149, 48-57.	1.8	27
11	Natural alkaloid Luotonin A and its affixed acceptor molecules: Serum albumin binding studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 499-507.	1.7	27
12	X-ray, vibrational spectra and quantum chemical studies on a new semiorganic crystal: 4-Chloroanilinium perchlorate. <i>Journal of Molecular Structure</i> , 2014, 1076, 115-125.	1.8	26
13	Experimental and computational studies on creatininium 4-nitrobenzoate - An organic proton transfer complex. <i>Journal of Molecular Structure</i> , 2017, 1146, 273-284.	1.8	25
14	Synthesis, structural analysis and cytotoxic effect of copper(II)-thiosemicarbazone complexes having heterocyclic bases: A selective naked eye sensor for Fâ ²⁺ and CNâ ²⁻ . <i>Polyhedron</i> , 2015, 85, 830-840.	1.0	23
15	Structural, optical, thermal, mechanical, dielectric and laser damage threshold studies of a succinate salt of creatinine for nonlinear optical applications. <i>Materials Letters</i> , 2016, 185, 214-217.	1.3	23
16	Near UV excitable yellow light emitting Zn doped MgO for WLED application. <i>Superlattices and Microstructures</i> , 2017, 106, 174-183.	1.4	20
17	Yellow emitting Cd doped SnO ₂ nanophosphor for phosphor converted white LED applications. <i>Materials Science in Semiconductor Processing</i> , 2018, 85, 141-149.	1.9	20
18	Synthesis, crystal growth and physicochemical characterization of organic NLO crystal: L-ornithinium dipicrate (LODP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 700-706.	2.0	19

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19	L-Valinium picrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1530-o1532.	0.2	18
20	Influence of pH in La-doped SnO ₂ nanoparticles towards sensor applications. Ionics, 2017, 23, 2909-2917.	1.2	17
21	2-Amino-6-methylpyridinium 4-nitrobenzoate: a phase matchable organic single crystal for optoelectronics device applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 9704-9716.	1.1	17
22	2-Amino 4-methylpyridinium 3-chlorobenzoate " A phase matchable organic nonlinear optical material for optoelectronics device applications. Optics and Laser Technology, 2017, 94, 253-260.	2.2	16
23	Structure elucidation, biological evaluation and molecular docking studies of 3-aminoquinolinium 2-carboxy benzoate- A proton transferred molecular complex. Journal of Molecular Structure, 2019, 1176, 238-248.	1.8	16
24	L-Asparaginium picrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1463-o1465.	0.2	15
25	Growth, structural, physical and computational perspectives of trans-4-hydroxy-l-proline: a promising organic nonlinear optical material with large laser-induced damage threshold. Materials Research Express, 2017, 4, 056202.	0.8	15
26	Reinforced photocatalytic reduction of SnO ₂ nanoparticle by La incorporation for efficient photodegradation under visible light irradiation. Journal of Materials Science: Materials in Electronics, 2019, 30, 8479-8492.	1.1	15
27	L-Prolinium picrate and 2-methylpyridinium picrate. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o567-o570.	0.4	14
28	L-Aspartic acid monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o1073-o1075.	0.2	13
29	Synthesis, characterization, DNA-binding and cleavage studies of polypyridyl copper(II) complexes. Journal of Molecular Structure, 2014, 1075, 419-429.	1.8	13
30	Synthesis, characterization, crystal structure and cytotoxic properties of thiosemicarbazide Ni(II) and Zn(II) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 292-302.	2.0	13
31	Growth, structural, thermal, mechanical, optical and third order nonlinear optical studies of 3-hydroxy 2-nitropyridine single crystal. Optical Materials, 2018, 86, 562-570.	1.7	13
32	Band gap enhancement on metal chelation: Growth and characterization of cobalt chelated glycine single crystals for optoelectronic applications. Materials Chemistry and Physics, 2009, 118, 284-287.	2.0	12
33	Creatininium 4-nitrobenzoate " A phase matchable organic nonlinear optical material with large laser-induced damage threshold value for optoelectronics applications. Optics and Laser Technology, 2018, 105, 106-113.	2.2	12
34	Enhanced visible light photocatalytic performance of SnO ₂ nanoparticle co-doped with (Co, Nb) for organic dye degradation. Journal of Materials Science: Materials in Electronics, 2020, 31, 10689-10701.	1.1	12
35	Synthesis, growth, structural, optical, thermal and NLO studies of new organic single crystal: 3-Hydroxy pyridinium 2-hydroxy benzoate. Journal of Molecular Structure, 2021, 1244, 130850.	1.8	12
36	Elucidation of two photon absorption of ethylenediaminium (2,4-dinitrophenolate) crystals. Optical Materials, 2016, 60, 214-220.	1.7	11

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37	Potentially useful to NLO materials: 4-Chloro-3-(trifluoromethyl)aniline, 4-bromo-3-(trifluoromethyl)aniline and 4-fluoro-3-(trifluoromethyl)aniline are combined experimental and theoretical vibrational analysis. <i>Journal of Molecular Structure</i> , 2017, 1141, 81-92.	1.8	11
38	Synthetic Method Dependent Physicochemical Properties and Electrochemical Performance of Ni-Doped ZnO. <i>ChemistrySelect</i> , 2017, 2, 9014-9023.	0.7	11
39	The effect of malonic acid on the physico-chemical characterisation of 4-hydroxy pyridine: A new third order NLO single crystal. <i>Journal of Molecular Structure</i> , 2019, 1179, 469-476.	1.8	11
40	Synthesis, growth, spectral and thermal properties of a new organic crystal: 2-Carboxypyridin-1-ium trichloroacetate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 73-79.	2.0	10
41	Experimental and Computational Perspectives on Bis(Creatinium) Succinate: An Efficient Organic Nonlinear Optical Material. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1849-1874.	1.4	10
42	Study of electrical conductivity and photoelectric response of liquid phase exfoliated graphene thin film prepared via spray pyrolysis route. <i>Carbon Letters</i> , 2020, 30, 417-423.	3.3	10
43	Synthesis, structural elucidation and spectroscopic analysis of 3a,8b-dihydroxy-4-oxo-1H,2H,3H,3aH,4H,8bH-indeno[1,2-d]imidazolidin-2-iminium chloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 1063-1071.	2.0	9
44	Photocatalytic and antimicrobial activities of fluorine doped TiO ₂ -carbon nano cones and disc composites. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 543-550.	1.9	9
45	Structural, thermal, optical and nonlinear optical properties of ethylenediaminium picrate single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 106, 37-43.	1.9	9
46	Synthesis, crystal growth and characterization of bioactive material: 2- Amino-1H-benzimidazolium pyridine-3-carboxylate single crystal- a proton transfer molecular complex. <i>Journal of Molecular Structure</i> , 2017, 1143, 444-451.	1.8	9
47	Synthesis, growth and characterization of L-Phenylalaninium methanesulfonate nonlinear optical single crystal. <i>Journal of Molecular Structure</i> , 2018, 1155, 758-764.	1.8	9
48	Assessment of long-range corrected and conventional DFT functional for the prediction of second order NLO properties and other molecular properties of N-(2-cyanoethyl)-N-butylaniline – A vibrational spectroscopy study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 66-79.	2.0	8
49	̂ ² -Alanine ̂ ² -alaninium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1630-o1632.	0.2	7
50	L-Asparaginium nitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2042-o2044.	0.2	7
51	Pyridoxinium picrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o426-o428.	0.4	7
52	Influence of formic acid on optical and electrical properties of glycine crystal. <i>Materials Research Express</i> , 2017, 4, 115101.	0.8	7
53	Dipicolinate salt of imidazole: Discovering its structure and properties using different experimental methodologies and quantum chemical investigations. <i>Journal of Molecular Structure</i> , 2018, 1155, 267-277.	1.8	7
54	L-LeucineL-leucinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o1604-o1606.	0.2	6

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55	Structural, spectral, computational and thermal studies on a new organic NLO crystal: 2-aminopyrazinium 5-nitro-2-hydroxybenzoate. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16207-16215.	1.1	6
56	Enhanced piezoelectric, optical, mechanical, and laser damage threshold studies on creatinine doped glycine single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9735-9741.	1.1	6
57	DL-ValineDL-valinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1722-o1724.	0.2	5
58	DL-PhenylalanineDL-phenylalaninium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o589-o591.	0.2	5
59	Ag modified LaCoO ₃ perovskite oxide for photocatalytic application. <i>AIP Conference Proceedings</i> , 2018, , ,	0.3	5
60	Vibrational studies, quantum chemical calculations, and molecular modelling of ferrous fumarate. <i>Canadian Journal of Physics</i> , 2019, 97, 308-316.	0.4	5
61	Molecular structure, vibrational spectroscopic, natural bond orbital analysis, frontier molecular orbital analysis and thermodynamic properties of N-tert-butoxy carbonyl-L-phenylalanine by DFT methods. <i>Materials Research Innovations</i> , 2019, 23, 330-344.	1.0	5
62	Structural investigation, spectral characterization, thermal and antibacterial activity on a organic crystal: 2-Aminopyrazin-1-ium3-carboxypicolinate. <i>Materials Letters</i> , 2019, 235, 202-206.	1.3	5
63	Investigation on crystallinity and optical properties of l-tartaric acid single crystal at dynamic shocked conditions. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 10841-10850.	1.1	5
64	DL-MethionineDL-methioninium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o8-o10.	0.2	4
65	Structural investigation and molecular docking studies of 2-amino-1H-benzimidazolium 2-hydroxybenzoate and 2-amino-1H-benzimidazolium pyridine 2-carboxylate single crystal. <i>Materials Science and Engineering C</i> , 2018, 91, 103-114.	3.8	4
66	Exfoliation of high-quality graphene in volatile and nonvolatile solvents. <i>Graphene Technology</i> , 2017, 2, 29-40.	1.9	3
67	Structure elucidation, biological evaluation and molecular docking studies on a new organic salt: 2-Aminobenzimidazolium 5-nitro-2-hydroxybenzoate. <i>Journal of Molecular Structure</i> , 2019, 1177, 457-468.	1.8	3
68	Supramolecular self-assembly of a novel 2-aminopyrazinium hydrogen tartrate single crystal through hydrogen bonds: Experimental analyses and theoretical investigations. <i>Journal of Molecular Structure</i> , 2020, 1206, 127684.	1.8	3
69	Experimental and Theoretical Investigations on a Hydrous Organic salt of 2,4,6-triaminopyrimidine-1,3-diium L-tartrate monohydrate (TTM). <i>Journal of Molecular Structure</i> , 2021, 1237, 130368.	1.8	3
70	Experimental and theoretical studies on bis (6-nitroquinoline) fumaric acid co-crystal. <i>Journal of Molecular Structure</i> , 2022, 1249, 131561.	1.8	3
71	Growth, characterisation and DFT investigations on 3-hydroxy-6- methyl -2- nitropyridine (3H6M2NP)-A novel third order nonlinear optical material. <i>Journal of Molecular Structure</i> , 2021, 1245, 131199.	1.8	3
72	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.	1.1	3

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73	Nicotinium dihydrogenphosphate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2553-o2555.	0.2	2
74	A novel organic nonlinear optical crystal: Creatinium succinate. AIP Conference Proceedings, 2015, , .	0.3	2
75	Molecular orbital analysis, vibrational spectroscopic investigation, static and dynamic NLO responses of Ethyl 6-nitro-1H-indole-3-carboxylate. Materials Research Innovations, 0, , 1-10.	1.0	2
76	Spectroscopic investigation, molecular orbital studies, frequency and solvent dependent NLO properties of (2E)-1-(4-bromophenyl)-3-phenylprop-2-en-1-one. Materials Research Innovations, 2019, 23, 385-396.	1.0	2
77	Comparison of platelet count by peripheral smear method and automated method in pregnant women. National Journal of Physiology, Pharmacy and Pharmacology, 2014, 4, 39.	0.0	2
78	Thiaminium dipicrate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2324-o2326.	0.2	1
79	Studies on synthesis, growth, structural, optical properties of organic 8-hydroxyquinolinium succinate single crystals. , 2014, , .		1
80	Diethyl 3-[2-methoxy-5-(1-methyl-1-phenylethyl)phenyl]-2-phenyl-2,3,4,5-tetrahydroisoxazole-4,5-dicarboxylate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2068-o2069.	0.2	0
81	{3-[2-Methoxy-5-(1-methyl-1-phenylethyl)phenyl]-2,5-diphenyl-1,2,3,4-tetrahydro-4-isoxazol-4-yl}(2-thienyl)methanone. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2503-o2505.	0.2	0
82	Nicotinium picrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2556-o2558.	0.2	0
83	Synthesis and structural study of 4-(2-chlorophenyl)-2-ethoxy-5,6,7,8,9,10-hexahydrocycloocta[B]pyridine-3-carbonitrile. AIP Conference Proceedings, 2016, , .	0.3	0
84	Synthesis, crystal growth and characterization of bioactive material: 2-amino-1H-benzo[d]imidazol-3-ium salicylate single crystal-a proton transfer molecular complex. AIP Conference Proceedings, 2017, , .	0.3	0
85	Growth and characterization of organic 2, 4, 6-triaminopyrimidinium 4-nitrophenolate single crystal. AIP Conference Proceedings, 2017, , .	0.3	0
86	Does leucocyte count vary with Beedi smoking?. National Journal of Physiology, Pharmacy and Pharmacology, 2014, 4, 69.	0.0	0