

Kanadasamy Anitha

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2881561/publications.pdf>

Version: 2024-02-01

86
papers

1,143
citations

430442

18
h-index

500791

28
g-index

86
all docs

86
docs citations

86
times ranked

1095
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical studies on bis (6-nitroquinoline) fumaric acid co-crystal. Journal of Molecular Structure, 2022, 1249, 131561.	1.8	3
2	Investigation on crystallinity and optical properties of l-tartaric acid single crystal at dynamic shocked conditions. Journal of Materials Science: Materials in Electronics, 2022, 33, 10841-10850.	1.1	5
3	Synthesis and growth of new organic 2-amino-4,6-dimethylpyrimidinium trifluoroacetate (AMPTF) single crystals for nonlinear optical (NLO) applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 8035-8047.	1.1	3
4	Experimental and Theoretical Investigations on a Hydrous Organic salt of 2,4,6-triaminopyrimidine-1,3-diium L-tartrate monohydrate (TTM). Journal of Molecular Structure, 2021, 1237, 130368.	1.8	3
5	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
6	Growth, characterisation and DFT investigations on 3-hydroxy-6- methyl -2- nitropyridine (3H6M2NP)-A novel third order nonlinear optical material. Journal of Molecular Structure, 2021, 1245, 131199.	1.8	3
7	Supramolecular self-assembly of a novel 2-aminopyrazinium hydrogen tartrate single crystal through hydrogen bonds: Experimental analyses and theoretical investigations. Journal of Molecular Structure, 2020, 1206, 127684.	1.8	3
8	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
9	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.	1.8	29
10	Study of electrical conductivity and photoelectric response of liquid phase exfoliated graphene thin film prepared via spray pyrolysis route. Carbon Letters, 2020, 30, 417-423.	3.3	10
11	Vibrational studies, quantum chemical calculations, and molecular modelling of ferrous fumarate. Canadian Journal of Physics, 2019, 97, 308-316.	0.4	5
12	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. Materials Research Innovations, 2019, 23, 330-344.	1.0	5
13	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
14	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
15	Structural, spectral, computational and thermal studies on a new organic NLO crystal: 2-aminopyrazinium 5-nitro-2-hydroxybenzoate. Journal of Materials Science: Materials in Electronics, 2019, 30, 16207-16215.	1.1	6
16	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
17	Enhanced piezoelectric, optical, mechanical, and laser damage threshold studies on creatinine doped glycine single crystals. Journal of Materials Science: Materials in Electronics, 2019, 30, 9735-9741.	1.1	6
18	The effect of malonic acid on the physico-chemical characterisation of 4-hydroxy pyridine: A new third order NLO single crystal. Journal of Molecular Structure, 2019, 1179, 469-476.	1.8	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Ag modified LaCoO ₃ perovskite oxide for photocatalytic application. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
22	Augmented photocatalytic and electrochemical activities of Ag tailored LaCoO ₃ perovskite semiconductor. <i>Materials Letters</i> , 2018, 218, 205-208.	1.3	30
23	Creatininium 4-nitrobenzoate – A phase matchable organic nonlinear optical material with large laser-induced damage threshold value for optoelectronics applications. <i>Optics and Laser Technology</i> , 2018, 105, 106-113.	2.2	12
24	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
25	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
26	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
27	Growth, structural, thermal, mechanical, optical and third order nonlinear optical studies of 3-hydroxy 2-nitropyridine single crystal. <i>Optical Materials</i> , 2018, 86, 562-570.	1.7	13
28	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
29	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
30	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
31	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
32	Experimental and Computational Perspectives on Bis(Creatininium) Succinate: An Efficient Organic Nonlinear Optical Material. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1849-1874.	1.4	10
33	2-Amino 4-methylpyridinium 3-chlorobenzoate – A phase matchable organic nonlinear optical material for optoelectronics device applications. <i>Optics and Laser Technology</i> , 2017, 94, 253-260.	2.2	16
34	Near UV excitable yellow light emitting Zn doped MgO for WLED application. <i>Superlattices and Microstructures</i> , 2017, 106, 174-183.	1.4	20
35	Influence of pH in La-doped SnO ₂ nanoparticles towards sensor applications. <i>Ionics</i> , 2017, 23, 2909-2917.	1.2	17
36	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

#	ARTICLE	IF	CITATIONS
37	Growth, structural, physical and computational perspectives of trans-4-hydroxy-L-proline: a promising organic nonlinear optical material with large laser-induced damage threshold. <i>Materials Research Express</i> , 2017, 4, 056202.	0.8	15
38	Exfoliation of high-quality graphene in volatile and nonvolatile solvents. <i>Graphene Technology</i> , 2017, 2, 29-40.	1.9	3
39	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
40	Synthesis, crystal growth and characterization of bioactive material: 2-amino-1H-benzo[d]imidazol-3-ium salicylate single crystal-a proton transfer molecular complex. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
41	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
42	2-Amino-6-methylpyridinium 4-nitrobenzoate: a phase matchable organic single crystal for optoelectronics device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9704-9716.	1.1	17
43	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
44	Synthetic Method Dependent Physicochemical Properties and Electrochemical Performance of Ni-Doped ZnO. <i>ChemistrySelect</i> , 2017, 2, 9014-9023.	0.7	11
45	Influence of formic acid on optical and electrical properties of glycine crystal. <i>Materials Research Express</i> , 2017, 4, 115101.	0.8	7
46	Growth and characterization of organic 2, 4, 6-triaminopyrimidinium 4-nitrophenolate single crystal. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
47	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
48	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
49	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
50	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
51	Elucidation of two photon absorption of ethylenediaminium (2,4-dinitrophenolate) crystals. <i>Optical Materials</i> , 2016, 60, 214-220.	1.7	11
52	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
53	Synthesis and structural study of 4-(2-chlorophenyl)-2-ethoxy-5,6,7,8,9,10-hexahydrocycloocta[B]pyridine-3-carbonitrile. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
54	A novel organic nonlinear optical crystal: Creatininium succinate. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	2

#	ARTICLE	IF	CITATIONS
55	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
56	Synthesis, characterization, crystal structure and cytotoxic properties of thiosemicarbazide Ni(II) and Zn(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 292-302.	2.0	13
57	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
58	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
59	Synthesis, structural analysis and cytotoxic effect of copper(II)-thiosemicarbazone complexes having heterocyclic bases: A selective naked eye sensor for F ²⁺ and CN ⁻ . <i>Polyhedron</i> , 2015, 85, 830-840.	1.0	23
60	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
61	Studies on synthesis, growth, structural, optical properties of organic 8-hydroxyquinolinium succinate single crystals. , 2014, , .		1
62	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
63	Synthesis, characterization, DNA-binding and cleavage studies of polypyridyl copper(II) complexes. <i>Journal of Molecular Structure</i> , 2014, 1075, 419-429.	1.8	13
64	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
65	Comparison of platelet count by peripheral smear method and automated method in pregnant women. <i>National Journal of Physiology, Pharmacy and Pharmacology</i> , 2014, 4, 39.	0.0	2
66	Does leucocyte count vary with Beedi smoking?. <i>National Journal of Physiology, Pharmacy and Pharmacology</i> , 2014, 4, 69.	0.0	0
67	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
68	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
69	Band gap enhancement on metal chelation: Growth and characterization of cobalt chelated glycine single crystals for optoelectronic applications. <i>Materials Chemistry and Physics</i> , 2009, 118, 284-287.	2.0	12
70	Pyridoxinium picrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o426-o428.	0.4	7
71	L-Prolinium picrate and 2-methylpyridinium picrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o567-o570.	0.4	14
72	DL-MethionineDL-methioninium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o8-o10.	0.2	4

#	ARTICLE	IF	CITATIONS
73	Thiaminium dipicrate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2324-o2326.	0.2	1
74	DL-PhenylalanineDL-phenylalaninium picrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o589-o591.	0.2	5
75	L-Asparaginium picrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1463-o1465.	0.2	15
76	L-LeucineL-leucinium picrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1604-o1606.	0.2	6
77	L-Asparaginium nitrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2042-o2044.	0.2	7
78	Nicotinium picrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2556-o2558.	0.2	0
79	Nicotinium dihydrogenphosphate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2553-o2555.	0.2	2
80	L-Valinium picrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1530-o1532.	0.2	18
81	Î²-Alanine Î²-alaninium picrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1630-o1632.	0.2	7
82	DL-ValineDL-valinium picrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1722-o1724.	0.2	5
83	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
84	{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
85	L-Aspartic acid monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o1073-o1075.	0.2	13
86	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