

# Kanagathara Narayanan

## List of Publications by Year in descending order

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47  
papers

555  
citations

623734

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677142

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g-index

47  
all docs

47  
docs citations

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times ranked

421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth, optical, thermal, dielectric and microhardness characterizations of melaminium bis (trifluoroacetate) trihydrate single crystal. <i>Journal of Crystal Growth</i> , 2014, 389, 30-38.	1.5	79
2	Growth and characterization of Melaminium bis (trichloroacetate) dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 101, 112-118.	3.9	44
3	Structure, crystal growth, optical and mechanical studies of poly bis (thiourea) silver (I) nitrate single crystal: A new semi organic NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 603-613.	3.9	30
4	Growth, Optical and Dielectric Studies on Pure and L-Lysine Doped KDP Crystals. <i>International Journal of Optics</i> , 2012, 2012, 1-6.	1.4	24
5	FT-IR, FT-Raman spectra and DFT calculations of melaminium perchlorate monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 343-350.	3.9	24
6	Vibrational, DFT, thermal and dielectric studies on 3-nitrophenol-1,3,5-triazine-2,4,6-triamine (2/1). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 1025-1037.	3.9	24
7	A brief review on aniline and its derivatives. <i>Materials Today: Proceedings</i> , 2020, 33, 4751-4755.	1.8	23
8	Vibrational, DFT, and thermal analysis of 2,4,6-triamino-1,3,5-triazin-1-ium 3-(prop-2-enoyloxy) propanoate acrylic acid monosolvate monohydrate. <i>Journal of Molecular Structure</i> , 2013, 1054-1055, 307-320.	3.6	21
9	Spectroscopic (FT-IR, FT-Raman, UV-Vis) molecular structure, electronic, molecular docking, and thermodynamic investigations of indole-3-carboxylic acid by DFT method. <i>Journal of Molecular Structure</i> , 2021, 1234, 130182.	3.6	21
10	Structure and vibrational spectra of melaminium bis(trifluoroacetate) trihydrate: FT-IR, FT-Raman and quantum chemical calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 252-263.	3.9	19
11	Growth, crystalline perfection, optical, thermal, laser damage threshold and electrical characterization of melaminium levulinate monohydrate single crystal. <i>Journal of Crystal Growth</i> , 2015, 426, 86-94.	1.5	18
12	Synthesis, characterization and theoretical studies of 5-(benzylthio)-1-cylopentyl-1H-tetrazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 1011-1018.	3.9	16
13	Preparation, crystal structure, vibrational spectral and density functional studies of bis (4-nitrophenol)-2,4,6-triamino-1,3,5-triazine monohydrate. <i>Journal of Molecular Structure</i> , 2013, 1049, 345-354.	3.6	15
14	Crystal structure, Hirshfeld surface analysis and vibrational spectral studies on P-nitroanilinium p-toluene sulphonate single crystal. <i>Journal of Molecular Structure</i> , 2019, 1183, 78-86.	3.6	15
15	Growth, structural, crystallisation, thermal decomposition and dielectric behaviour of melaminium bis(hydrogen oxalate) single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 307-318.	3.6	13
16	Structural and vibrational spectroscopic studies on charge transfer and ionic hydrogen bonding interactions of melaminium benzoate dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 394-409.	3.9	13
17	Experimental and theoretical (DFT) investigation of crystallographic, spectroscopic and Hirshfeld surface analysis of anilinium arsenate. <i>Journal of Molecular Structure</i> , 2021, 1223, 128965.	3.6	13
18	Molecular geometry, vibrational, NBO, HOMO-LUMO, first order hyper polarizability and electrostatic potential studies on anilinium hydrogen oxalate hemihydrate an organic crystalline salt. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 226-233.	1.6	13

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19	XRD, FT-IR, FT-Raman spectra and ab initio HF vibrational analysis of bis (5-amino-3-carboxy-1H-1,2,4-triazol-4-ium) selenate dihydrate. <i>Journal of Molecular Structure</i> , 2019, 1180, 532-541.	3.6	12
20	A study of thermal and dielectric behavior of melaminium perchlorate monohydrate single crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1317-1323.	3.6	11
21	Synthesis, thermal decomposition and dielectric behavior of bis(thiourea)silver(I)nitrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1295-1301.	3.6	10
22	Crystal and molecular structure, conformational, vibrational properties and DFT calculations of melaminium bis (hydrogen oxalate). <i>Journal of Molecular Structure</i> , 2014, 1067, 14-26.	3.6	10
23	Kinetics and Mechanical Studies of Melaminium bis(trichloroacetate) dihydrate. <i>Acta Physica Polonica A</i> , 2014, 126, 827-832.	0.5	9
24	Structural, Spectroscopic and Hirshfeld Surface Analysis of Anilinium Malonate. <i>Asian Journal of Chemistry</i> , 2019, 31, 860-872.	0.3	8
25	Structural and spectroscopic investigation of glycinium oxalurate. <i>Journal of Molecular Structure</i> , 2017, 1143, 378-387.	3.6	8
26	Vibrational Spectroscopic and Computational Studies on Bis(2-aminopyridinium)fumarate - Fumaric Acid (1:1) Complex. <i>Acta Physica Polonica A</i> , 2018, 133, 45-56.	0.5	7
27	Crystal structure and vibrational spectra of melaminium arsenate. <i>Journal of Molecular Structure</i> , 2015, 1079, 407-413.	3.6	6
28	The theoretical and experimental vibrational studies of thiourea and silver nitrate (2:1) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 717-725.	3.9	6
29	4-Nitrophenolâ€“2,4,6-triamino-1,3,5-triazineâ€“water (2/1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2286-o2286.	0.2	5
30	Effect of Metal Dopant on Ninhydrinâ€”Organic Nonlinear Optical Single Crystals. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-5.	1.3	5
31	Single crystal X-ray diffraction, spectral characterization, evaluation of electronic and chemical reactivity of tert-butylammonium N-acetylglycinate monohydrate â€” A DFT study. <i>Journal of Molecular Structure</i> , 2020, 1220, 128764.	3.6	5
32	Thermal Decomposition Behaviour of Bis(4-Nitrophenol)-2,4,6-Triamino-1,3,5-Triazine Monohydrate. <i>Acta Physica Polonica A</i> , 2016, 129, 1235-1241.	0.5	4
33	Quantum Chemical Computational Studies of Nitrogen Rich Energetic Organic Crystalline Salt: 2,4-Diamino-6-methyl-1,3,5-triazinium Trifluoroacetate. <i>Asian Journal of Chemistry</i> , 2020, 32, 2660-2670.	0.3	4
34	Structural and Vibrational Investigation of Benzil-(1,2-Diphenylethane-1,2-Dione): Experimental and Theoretical Studies. <i>Journal of Chemistry</i> , 2022, 2022, 1-11.	1.9	4
35	Growth and structural, optical, and thermal studies of nonlinear optical brucinium hydrogen (S) malate pentahydrate. <i>Journal of Applied Spectroscopy</i> , 2013, 80, 176-183.	0.7	3
36	Structural and Vibrational Spectroscopic Elucidation of Nitrogen Rich Energetic Salt: 2,4-Diamino-6-methyl-1,3,5-triazinium Levulinate Dihydrate. <i>Asian Journal of Chemistry</i> , 2021, 33, 1891-1904.	0.3	3

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37	Broadband dielectric spectroscopic investigation of Melaminium bis (trichloroacetate) dihydrate a nonlinear optical single crystal. Journal of Materials Science: Materials in Electronics, 2021, 32, 10778-10788.	2.2	3
38	3-Nitrophenol 1,3,5-triazine-2,4,6-triamine (2/1). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o827-o827.	0.2	1
39	Quantum Chemical Studies on 3-Nitroanilinium Trichloroacetate. Asian Journal of Chemistry, 2018, 30, 171-178.	0.3	1
40	Geometry and vibrational analysis of thiosemicarbazide 5-sulfosalicylate single crystal. Materials Today: Proceedings, 2020, 33, 4074-4078.	1.8	1
41	Studies on Structural, Dielectric, and Electrical Properties of a $\text{Ni}_{0.284}\text{Zn}_{0.549}\text{Cu}_{0.183}\text{Fe}_{1.984}\text{O}_4$ Piezomagnetic Material. Acta Physica Polonica A, 2016, 130, 751-757.	1.5	1
42	Growth and Characterization of L-Histidinium Ammonium Acetate Nonlinear Optical Single Crystal. Acta Physica Polonica A, 2019, 136, 395-399.	0.5	1
43	Quantum chemical computational studies of 1,3-diammonium propylarsenate: a semi organic crystalline salt. Inorganic and Nano-Metal Chemistry, 2022, 52, 1352-1363.	1.6	1
44	Electric Modulus, Dielectric Relaxation Mechanism and Impedance Properties of Melaminum Perchlorate Monohydrate - Broadband Dielectric Spectroscopic Study. Acta Physica Polonica A, 2022, 141, 500-506.	0.5	1
45	2,4,6-Triamino-1,3,5-triazin-1-ium 3-(prop-2-enoyloxy)propanoate acrylic acid monosolvate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o741-o741.	0.2	0
46	Synthesis, thermal, dielectric and hardness studies on thiosemicarbazide 5-sulfosalicylate (t5ss). Materials Today: Proceedings, 2020, 33, 4777-4780.	1.8	0
47	Quantum Chemical Computational Studies on N-Acetylglycine Single Crystal for Potential Applications. Asian Journal of Chemistry, 2021, 33, 3056-3062.	0.3	0