

Perumal Venkatesan

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

627
citations

840776

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48
all docs

48
docs citations

48
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure, Hirshfeld surfaces and DFT computation of NLO active (2E)-2-(ethoxycarbonyl)-3-[(1-methoxy-1-oxo-3-phenylpropan-2-yl)amino] prop-2-enoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 625-636.	3.9	217
2	Removal of pharmaceuticals from wastewater by electrochemical oxidation using cylindrical flow reactor and optimization of treatment conditions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 985-994.	1.7	43
3	1-Alkyl-(N,N-dimethylamino)pyridinium bromides: inhibitory effect on virulence factors of <i>Candida albicans</i> and on the growth of bacterial pathogens. <i>Journal of Medical Microbiology</i> , 2013, 62, 241-248.	1.8	40
4	Solvatochromism and pH effect on the emission of a triphenylimidazole-phenylacrylonitrile derivative: experimental and DFT studies. <i>RSC Advances</i> , 2019, 9, 12085-12096.	3.6	40
5	Invariant and variable intermolecular interactions in functionalized malonic acid half-esters: X-ray, Hirshfeld surface and PIXEL energy analyses. <i>CrystEngComm</i> , 2015, 17, 904-915.	2.6	28
6	Quantitative analysis of weak non-covalent interactions in (Z)-3-(4-halophenyl)-2-(pyridin-2/3/4-yl)acrylonitriles. <i>CrystEngComm</i> , 2018, 20, 2681-2697.	2.6	27
7	Synthesis, characterization and antimicrobial activity of 4-amino-1-alkyl pyridinium salts. <i>Medicinal Chemistry Research</i> , 2012, 21, 694-702.	2.4	24
8	Structural investigation of (2E)-2-(ethoxycarbonyl)-3-[(4-methoxyphenyl)amino]prop-2-enoic acid: X-ray crystal structure, spectroscopy and DFT. <i>Journal of Molecular Structure</i> , 2016, 1119, 259-268.	3.6	22
9	Two Different Emissions of (Z)-2-(4-Bromophenyl)-3-[4-(dimethylamino)phenyl]prop-2-enenitrile Due to Crystal Habit and Size: Synthesis, Optical, and Supramolecular Characterization. <i>Crystal Growth and Design</i> , 2017, 17, 1679-1694.	3.0	22
10	Removal of Fatty Acids from Palm Oil Effluent by Combined Electro-Fenton and Biological Oxidation Process. <i>Water, Air, and Soil Pollution</i> , 2010, 211, 203-210.	2.4	21
11	Multiple Photoluminescence from Pyrene- <i>Fused Hexaarylbenzenes with Aggregation-Enhanced Emission Features</i> . <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 444-450.	2.7	18
12	Crystallography and computational electronic structure investigations on 14-(3, 4,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Id (5-trim	3.6	11
13	Novel lanthanide(III) complex [LaL2(NO3) (H2O)2]·5H2O with 2-pyridine carboxaldehyde isonicotinoyl hydrazine exhibiting a 3D supramolecular topology 3,6T49. <i>Journal of Molecular Structure</i> , 2020, 1212, 128151.	3.6	11
14	A quantitative study of weak noncovalent interactions in two pyridine isomers containing nitrile and thiophene moieties: a combined X-ray and theoretical investigation. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	1.5	7
15	Experimental study and DFT calculation for the strength of intermolecular interactions in Schiff base with the phenylarsonic acid scaffold. <i>Journal of Molecular Structure</i> , 2019, 1196, 306-322.	3.6	7
16	Intramolecular resonance assisted N=C...O=C hydrogen bond and weak noncovalent interactions in two asymmetrically substituted geminal amido-esters: Crystal structures and quantum chemical exploration. <i>Journal of Molecular Structure</i> , 2021, 1246, 131210.	3.6	7
17	Crystal Packing Modulation of the Strength of Resonance-Assisted Hydrogen Bonds and the Role of Resonance-Assisted Pseudoring Stacking in Geminal Amido Esters: Study Based on Crystallography and Theoretical Calculations. <i>Crystal Growth and Design</i> , 2021, 21, 779-798.	3.0	7
18	Relating the Structure of Geminal Amido Esters to their Molecular Hyperpolarizability. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29439-29448.	3.1	6

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19	A low molecular weight OLED material: 2-(4-((2-hydroxyethyl)(methyl)amino)benzylidene)malononitrile. Synthesis, crystal structure, thin film morphology, spectroscopic characterization and DFT calculations. RSC Advances, 2019, 9, 28704-28717.	3.6	6
20	4-Amino-(1-methylphenyl)pyridinium bromide. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2353-o2355.	0.2	5
21	4-Amino-(1-carboxymethyl)pyridinium chloride. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3389-o3390.	0.2	5
22	1-Allyl-2-aminopyridin-1-ium bromide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o884-o884.	0.2	5
23	Solution and Solid-State Photophysical Properties of Positional Isomeric Acrylonitrile Derivatives with Core Pyridine and Phenyl Moieties: Experimental and DFT Studies. Molecules, 2021, 26, 1500.	3.8	5
24	Quantitative analysis of intermolecular interactions in cocrystals and a pair of polymorphous cocrystal hydrates from 1,4-dihydroquinoxaline-2,3-dione and 1 <i>H</i> -benzo[<i>d</i>]imidazol-2(3 <i>H</i>)-one with 2,5-dihydroxy-1,4-benzoquinones: a combined X-ray structural and theoretical analysis. CrystEngComm, 2020, 22, 6645-6660.	2.6	4
25	4-Amino-(1-ethoxycarbonylmethyl)pyridinium iodide. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2560-o2562.	0.2	3
26	Two new isatin derivatives: 1-benzyl-4,5,6-trimethoxyindoline-2,3-dione and 1-benzyl-5-fluoroindoline-2,3-dione. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 975-978.	0.5	3
27	Crystal structure and Hirshfeld surface analysis of 1-carboxy-2-(3,4-dihydroxyphenyl)ethan-1-aminium chloride 2-ammonio-3-(3,4-dihydroxyphenyl)propanoate: a new polymorph of <i>L</i> -dopa HCl and isotypic with its bromide counterpart. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1628-1632.	0.5	3
28	Crystal structure and Hirshfeld surface analysis of 1-carboxy-2-(3,4-dihydroxyphenyl)ethan-1-aminium bromide 2-ammonio-3-(3,4-dihydroxyphenyl)propanoate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1544-1548.	0.5	3
29	Film morphology of acrylonitrile materials deposited by a solution process and vacuum evaporation. Supramolecular interactions, optoelectronic properties and an approximation by computational calculations. New Journal of Chemistry, 2019, 43, 15513-15524.	2.8	3
30	Experimental and Theoretical Insights into the Optical Properties and Intermolecular Interactions in Push-Pull Bromide Salts. ChemistryOpen, 2019, 8, 483-496.	1.9	3
31	2-Amino-1-(4-nitrobenzyl)pyridinium bromide. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o74-o76.	0.2	2
32	3-Amino-1-(4-nitrobenzyl)pyridinium bromide. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o482-o484.	0.2	2
33	Crystal structure of 3-amino-1-propylpyridinium bromide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, 580-583.	0.2	2
34	Preferential Orientation of Crystals and its Influence on the Emission Wavelength of Acrylonitrile Derivatives Treated with Polar Solvents. Crystal Research and Technology, 2019, 54, 1800156.	1.3	2
35	¹ H-NMR, Photophysical, and pH Studies of 4-(4,5-diphenyl-1 <i>H</i> -imidazol-2-yl)benzaldehyde through Experimental and DFT Theoretical Analysis. ChemistrySelect, 2020, 5, 415-425.	1.5	2
36	Crystal and geometry-optimized structure, and Hirshfeld surface analysis of 1-(2-bromoethyl)indoline-2,3-dione. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1569-1573.	0.5	2

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37	Crystal structure and Hirshfeld surface analysis of the hydrated 2:1 adduct of piperazine-1,4-dium 3,5-dinitro-2-oxidobenzoate and piperazine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 198-202.	0.5	2
38	4-Amino-1-(4-nitrobenzyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1118-o1120.	0.2	1
39	1-Allyl-4-aminopyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4730-o4731.	0.2	1
40	Electrochemical degradation of methyl parathion. <i>International Journal of Environmental Engineering</i> , 2013, 5, 311.	0.1	1
41	Hydrogen bonding due to regioisomerism and its effect on the supramolecular architecture of diethyl 2-[(2/4-hydroxyanilino)methylidene]malonates. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 70-73.	0.4	1
42	Insights from QM/MM-ONIOM, PIXEL, NBO and DFT calculations: The molecular conformational origins for optical properties on (Z)-2-phenyl-3-(4-(pyridin-2-yl)-phenyl) acrylonitrile polymorphs. <i>Journal of Molecular Structure</i> , 2020, 1210, 128016.	3.6	1
43	Ethyl 2,2-dimethyl-4-oxo-6-phenyl-3,4-dihydro-2H-pyran-5-carboxylate. <i>IUCrData</i> , 2016, 1, .	0.3	1
44	Crystal structure of 4-(2-methoxyphenyl)piperazin-1-ium 3,5-dinitrosalicylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 774-778.	0.5	1
45	2-Amino-(1-methylphenyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4010-o4011.	0.2	0
46	1-(Benzyloxy)naphthalene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1924-o1925.	0.2	0
47	1-Benzyl-5-methylindoline-2,3-dione. <i>IUCrData</i> , 2016, 1, .	0.3	0
48	Ethyl 6-(4-chlorophenyl)-2,2-dimethyl-4-oxo-3,4-dihydro-2H-pyran-5-carboxylate. <i>IUCrData</i> , 2017, 2, .	0.3	0