

Perumal Venkatesan

List of Publications by Year in descending order

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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 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
2	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
3	Solution and Solid-State Photophysical Properties of Positional Isomeric Acrylonitrile Derivatives with Core Pyridine and Phenyl Moieties: Experimental and DFT Studies. <i>Molecules</i> , 2021, 26, 1500.	3.8	5
4	Intramolecular resonance assisted N-H...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
5	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
6	¹ H-NMR, Photophysical, and pH Studies of 4-(4,5-diphenyl-1-imidazol-2-yl)benzaldehyde through Experimental and DFT Theoretical Analysis. <i>ChemistrySelect</i> , 2020, 5, 415-425.	1.5	2
7	Quantitative analysis of intermolecular interactions in cocrystals and a pair of polymorphous cocrystal hydrates from 1,4-dihydroquinoxaline-2,3-dione and 1-(3-benzimidazol-2-yl)-2,5-dihydroxy-1,4-benzoquinone: a combined X-ray structural and theoretical analysis. <i>CrystEngComm</i> , 2020, 22, 6645-6660.	2.6	4
8	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
9	Novel lanthanide(III) complex [La ₂ (NO ₃)(H ₂ O) ₂ ·5H ₂ O] 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
10	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
11	Film morphology of acrylonitrile materials deposited by a solution process and vacuum evaporation. Supramolecular interactions, optoelectronic properties and an approximation by computational calculations. <i>New Journal of Chemistry</i> , 2019, 43, 15513-15524.	2.8	3
12	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. <i>RSC Advances</i> , 2019, 9, 28704-28717.	3.6	6
13	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
14	Preferential Orientation of Crystals and its Influence on the Emission Wavelength of Acrylonitrile Derivatives Treated with Polar Solvents. <i>Crystal Research and Technology</i> , 2019, 54, 1800156.	1.3	2
15	Experimental and Theoretical Insights into the Optical Properties and Intermolecular Interactions in Push-Pull Bromide Salts. <i>ChemistryOpen</i> , 2019, 8, 483-496.	1.9	3
16	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
17	Multiple Photoluminescence from Pyrene-Fused Hexaarylbenzenes with Aggregation-Enhanced Emission Features. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 444-450.	2.7	18
18	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

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19	Two Different Emissions of (2 <i>Z</i>)-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
20	Ethyl 6-(4-chlorophenyl)-2,2-dimethyl-4-oxo-3,4-dihydro-2H-pyran-5-carboxylate. <i>IUCrData</i> , 2017, 2, .	0.3	0
21	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
22	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 isotopic with its bromide counterpart. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1628-1632.	0.5	3
23	Crystal structure and Hirshfeld surface analysis of 1-carboxy-2-(3,4-dihydroxyphenyl)ethan-1-aminium bromide 2-ammonio-3-(3,4-dihydroxyphenyl)propanoate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1544-1548.	0.5	3
24	Structural investigation of (2 <i>E</i>)-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
25	Crystal structure, Hirshfeld surfaces and DFT computation of NLO active (2 <i>E</i>)-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
26	Crystal and geometry-optimized structure, and Hirshfeld surface analysis of 1-(2-bromoethyl)indoline-2,3-dione. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1569-1573.	0.5	2
27	1-Benzyl-5-methylindoline-2,3-dione. <i>IUCrData</i> , 2016, 1, .	0.3	0
28	Ethyl 2,2-dimethyl-4-oxo-6-phenyl-3,4-dihydro-2H-pyran-5-carboxylate. <i>IUCrData</i> , 2016, 1, .	0.3	1
29	Crystallography and computational electronic structure investigations on 14-(3, 4)-Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342	3.6	11
30	Two new isatin derivatives: 1-benzyl-4,5,6-trimethoxyindoline-2,3-dione and 1-benzyl-5-fluoroindoline-2,3-dione. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 975-978.	0.5	3
31	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
32	Crystal structure of 3-amino-1-propylpyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 580-583.	0.2	2
33	Electrochemical degradation of methyl parathion. <i>International Journal of Environmental Engineering</i> , 2013, 5, 311.	0.1	1
34	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
35	1-Allyl-2-aminopyridin-1-ium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o884-o884.	0.2	5
36	1-Alkyl-(<i>N,N</i> -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

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37	Synthesis, characterization and antimicrobial activity of 4-amino-1-alkyl pyridinium salts. <i>Medicinal Chemistry Research</i> , 2012, 21, 694-702.	2.4	24
38	1-(Benzyloxy)naphthalene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1924-o1925.	0.2	0
39	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
40	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
41	2-Amino-1-(4-nitrobenzyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o74-o76.	0.2	2
42	3-Amino-1-(4-nitrobenzyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o482-o484.	0.2	2
43	4-Amino-1-(4-nitrobenzyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1118-o1120.	0.2	1
44	4-Amino-(1-methylphenyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2353-o2355.	0.2	5
45	4-Amino-(1-ethoxycarbonylmethyl)pyridinium iodide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2560-o2562.	0.2	3
46	4-Amino-(1-carboxymethyl)pyridinium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o3389-o3390.	0.2	5
47	2-Amino-(1-methylphenyl)pyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4010-o4011.	0.2	0
48	1-Allyl-4-aminopyridinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4730-o4731.	0.2	1