

Vijayan Viswanathan

List of Publications by Year in descending order

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papers

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59
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771
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure prediction and discovery of inhibitors against phosphopantothenoyl cysteine synthetase of <i>Acinetobacter baumannii</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11405-11417.	3.5	4
2	Growth, structural, spectral, Hirshfeld analysis, photoluminescence, linear and third order NLO properties of a novel organic p-toluidinium succinate succinic acid single crystal. <i>Journal of Crystal Growth</i> , 2022, 580, 126471.	1.5	6
3	Eco-friendly synthesis and structural determination of pyrene fused pyrroloquinolinone hybrid. <i>Journal of Molecular Structure</i> , 2022, 1259, 132714.	3.6	2
4	Identification of potential drug candidates to combat COVID-19: a structural study using the main protease (mpro) of SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6649-6659.	3.5	25
5	Identification of promising drug candidates against NSP16 of SARS-CoV-2 through computational drug repurposing study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6713-6727.	3.5	20
6	Potassium-induced partial inhibition of lactoperoxidase: structure of the complex of lactoperoxidase with potassium ion at 2.20 Å... resolution. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 149-159.	2.6	4
7	Structure of Yak Lactoperoxidase at 1.55 Å... Resolution. <i>Protein Journal</i> , 2021, 40, 8-18.	1.6	5
8	A facile synthesis and molecular structure determination of a novel class of 1,3,4-oxadiazoles. <i>Journal of Molecular Structure</i> , 2021, 1229, 129752.	3.6	1
9	Synthesis, crystal growth, structure, crystalline perfection, thermal, linear, and nonlinear optical investigations on 2-amino-5-nitropyridine 4-chlorobenzoic acid (1:1): a novel organic single crystal for NLO and optical limiting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15026-15045.	2.2	12
10	Lactosmart: A Novel Therapeutic Molecule for Antimicrobial Defense. <i>Frontiers in Microbiology</i> , 2021, 12, 672589.	3.5	4
11	The exploration of the crystal nucleation parameters and physico-chemical analysis of a single crystal: 2-amino-4,6-dimethoxypyrimidinium hydrogen (2 <i>R</i> ,3 <i>R</i>)-tartrate 2-amino-4,6-dimethoxypyrimidine. <i>RSC Advances</i> , 2021, 11, 15710-15721.	3.6	2
12	A Peptide Bond from the Inter-lobe Segment in the Bilobal Lactoferrin Acts as a Preferred Site for Cleavage for Serine Proteases to Generate the Perfect C-lobe: Structure of the Pepsin Hydrolyzed Lactoferrin C-lobe at 2.28 Å... Resolution. <i>Protein Journal</i> , 2021, 40, 857-866.	1.6	3
13	Crystal structure, DFT and third order non-linear optical studies of an organic bisguanidinium isophthalate monohydrate single crystal. <i>Journal of Molecular Structure</i> , 2020, 1204, 127476.	3.6	9
14	Structure-Based Virtual Screening and Biochemical Validation to Discover a Potential Inhibitor of the SARS-CoV-2 Main Protease. <i>ACS Omega</i> , 2020, 5, 33151-33161.	3.5	27
15	The crystal structures and Hirshfeld surface analysis of N,N' -bis(2-oxo-1,2,3,4-tetrahydro-1H-benzimidazol-5-yl)- N,N' -bis(6-bromo-3,1-phenylene)-bis(methanylylidene)bis(isonitrile) dihydrate and N,N' -bis(2-oxo-1,2,3,4-tetrahydro-1H-benzimidazol-5-yl)- N,N' -bis(2,1-phenylene)-bis(methanylylidene)bis(isonitrile) [· <i>n</i> -solvent]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 655-661.	0.5	0
16	Structure-Based Drug Design with a Special Emphasis on Herbal Extracts. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2019, , 271-305.	0.6	0
17	Crystal structures and Hirshfeld surface analyses of $4,4'$ -[[1,3-phenylenebis(methylene)]bis(oxy)]bis(3-methoxybenzaldehyde) and		

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19	Crystal structure of 6-(4-chlorophenyl)-6a-nitro-6a,6b,8,9,10,12a-hexahydro-6 <i>H</i> ,7 <i>H</i> -spiro[chromeno[3,4- <i>a</i>]indolizine-1,11 <i>a</i> -indeno[1,2- <i>b</i>]quinoline]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 255-259.	0.5	1
20	The crystal structures of 6-(4-chlorophenyl)- and 6-(4-methoxyphenyl)-6a-nitro-6a,6b,7a,8a,9a,10a,12a-hexahydro-2 <i>H</i> ,6 <i>H</i> ,8 <i>H</i> -spiro[acene-1,11 <i>a</i> -indeno[1,2- <i>b</i>]quinoline]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 218-222.	0.5	0
21	The crystal structures of two new coumarin derivatives: 2-(4-[(2-oxo-2 <i>H</i> -chromen-4-yl)oxy]acetyl)piperazin-1-yl)acetamide and 2-(4-[(2-oxo-2 <i>H</i> -chromen-4-yl)oxy]acetyl)pyridin-2-yl)acetamide. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 482-488.	0.5	1
22	Crystal structures of two new isocoumarin derivatives: 8-amino-6-methyl-3,4-diphenyl-1 <i>H</i> -isochromen-1-one and 8-amino-3,4-diethyl-6-methyl-1 <i>H</i> -isochromen-1-one. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1117-1122.	0.5	0
23	The crystal structures and Hirshfeld surface analyses of four 3,5-diacetyl-2-methyl-2,3-dihydro-1,3,4-thiadiazol-2-yl derivatives. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1436-1444.	0.5	0
24	The crystal structures and Hirshfeld surface analysis of 6-(naphthalen-1-yl)-6a-nitro-6a,6b,7,9,11a-hexahydrospiro[chromeno[3,4]pyrrolo[1,2- <i>c</i>]thiazole-11,11 <i>a</i> -indeno[1,2- <i>b</i>]quinoline] and 6-(naphthalen-1-yl)-6a-nitro-6a,6b,7a,8a,9a,10a,12a-octahydro-2 <i>H</i> -spiro[acenaphthylene-1,12 <i>a</i> -indeno[1,2- <i>b</i>]quinoline]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1519-1524.	0.5	1
25	Phytochemical constituents from dietary plant <i>Citrus hystrix</i> . Natural Product Research, 2018, 32, 1721-1726.	1.8	8
26	Crystal structure, molecular packing, FMO, NBO, nonlinear optical and optical limiting properties of an organic imidazolium diphenylacetate diphenylacetic acid single crystal. New Journal of Chemistry, 2018, 42, 2439-2449.	2.8	28
27	Bis(thiosemicarbazone)copper(I) Complexes as Prospective Therapeutic Agents: Interaction with DNA/BSA Molecules, and In Vitro and In Vivo Anti-proliferative Activities. ChemistrySelect, 2018, 3, 7100-7111.	1.5	20
28	An approach towards the oxidation of 2-amino-4 <i>H</i> -chromenes to 2-imino-2 <i>H</i> -chromenes. Tetrahedron Letters, 2018, 59, 4616-4619.	1.4	2
29	Structural, multichannel sensing and optical properties of 2-aminopyridinium diphenylacetate diphenylacetic acid crystal. Materials Chemistry and Physics, 2018, 219, 478-492.	4.0	2
30	Crystal engineering, structural and optical properties of 2-aminopyridinium diphenylacetate diphenylacetic acid crystal. Journal of Crystal Growth, 2018, 498, 115-123.	1.5	5
31	Crystal structures and Hirshfeld surface analyses of 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]- <i>N</i> -(pyridin-2-yl)acetamide and 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]- <i>N</i> -(pyrazin-2-yl)acetamide. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 718-723.	0.5	0
32	Heteroscorpionate-based heteroleptic copper(II) complexes: Antioxidant, molecular docking and in vitro cytotoxicity studies. Applied Organometallic Chemistry, 2017, 31, e3809.	3.5	14
33	1-(4-(6-Fluorobenzylidene)isoxazol-3-yl)piperidin-1-yl)-2-(4-(hydroxymethyl)-1 <i>H</i> -1,2,3-triazol-1-yl)ethanone: Synthesis, spectroscopic characterization, Hirshfeld surface analysis, cytotoxic studies and docking studies. Journal of Molecular Structure, 2017, 1141, 276-283.	3.6	0
34	Novel Benzylidene Thiazolidinedione Derivatives as Partial PPAR α Agonists and their Antidiabetic Effects on Type 2 Diabetes. Scientific Reports, 2017, 7, 14453.	3.3	35
35	In vitro and in vivo anti-proliferative evaluation of bis(4-(4-tolyl)-2,2,6,6-tetrapyridine)copper(II) complex against Ehrlich ascites carcinoma tumors. Journal of Biological Inorganic Chemistry, 2017, 22, 1109-1122.	2.6	20
36	Synthesis, crystal structure, Hirshfeld surface analysis and frontier molecular orbital analysis of 2-((2-hydroxynaphthalen-1-yl)methylene)hydrazinecarbothioamide. Chemical Data Collections, 2017, 11-12, 220-231.	2.3	11

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37	Crystal structures of (E)-4-[1-(2-carbamothioylhydrazinylidene)ethyl]phenyl acetate and (E)-4-[1-(2-carbamothioylhydrazinylidene)ethyl]phenyl benzoate. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 20-23.	0.5	1
38	Crystal structures of 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(2,4-dimethylphenyl)acetamide and 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(3-methoxyphenyl)acetamide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 996-1000.	0.5	2
39	Crystal structures of N-(4-chlorophenyl)-2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]acetamide and N-(3-chlorophenyl)-2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]acetamide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 467-471.	0.5	3
40	Crystal structures of 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(naphthalen-1-yl)acetamide and 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(4-fluorophenyl)acetamide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 306-309.	0.5	2
41	Crystal structures of 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(3-nitrophenyl)acetamide monohydrate and N-(2-chlorophenyl)-2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]acetamide. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1171-1175.	0.5	3
42	Crystal structures of two substituted thiazolidine derivatives. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1126-1129.	0.5	5
43	A new organic NLO material isonicotinamidium picrate (ISPA): crystal structure, structural modeling and its physico-chemical properties. RSC Advances, 2016, 6, 57977-57985.	3.6	54
44	Theoretical, photophysical and biological investigations of an organic charge transfer compound 2-aminobenzimidazolium-2-oxyisoindolate-1,3-dione-2-hydroxyisoindoline-1,3-dione. RSC Advances, 2016, 6, 60336-60348.	3.6	8
45	Targeting of DNA molecules, BSA/c-Met tyrosine kinase receptors and anti-proliferative activity of bis(terpyridine)copper(II) complexes. Dalton Transactions, 2016, 45, 7794-7814.	3.3	81
46	Crystal structure of 4-(2-methoxyquinolin-3-yl)-1-methylspiro[indan-2,2'-pyrrolidine-3,3'-indoline]-1,3,2'-trione. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o1038-o1039.	0.5	6
47	Crystal structure of ethyl 6-methyl-2-sulfanylidene-4-(thiophen-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o81-o82.	0.5	1
48	Crystal structure of (E)-4-[1-[2-(carbamothioyl)hydrazin-1-ylidene]ethyl]phenyl 4-methylbenzoate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o43-o44.	0.5	2
49	Synthesis and molecular modelling studies of novel sulphonamide derivatives as dengue virus 2 protease inhibitors. Bioorganic Chemistry, 2015, 62, 74-82.	4.1	34
50	Crystal structure of 2-[[[(naphthalen-1-yl)oxy]methyl]-5-(2,4,5-trifluorophenyl)-1,3,4-oxadiazole. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o190-o191.	0.5	0
51	Crystal structure of 2-(4-fluoro-3-methylphenyl)-5-[[[(naphthalen-1-yl)oxy]methyl]-1,3,4-oxadiazole. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o229-o230.	0.5	0
52	Crystal structures of two 2,9-dithia-13-azadispiro[4.1.47.35]tetradecan-6-ones. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1516-1520.	0.5	1
53	Crystal structures of two triazolo-dioxola-benzenacyclononaphanes. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 827-831.	0.5	4
54	Crystal structure of ethyl 6-chloromethyl-2-oxo-4-(2,3,4-trimethoxyphenyl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 821-823.	0.5	1

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55	Crystal structure of 15-(2-chlorophenyl)-6b-hydroxy-17-methyl-6b,7,16,17-tetrahydro-7,14a-methanonaphtho[1,8-c:2,8-c']pyrrolo[3,2-b]indole. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o1091-o1092.	0.2	0
56	An amide cyclophane. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o865-o865.	0.2	0
57	Crystal structure of 4-acetylphenyl 3-methylbenzoate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1060-o1060.	0.2	1
58	Crystal structure of 6-(4-chlorophenyl)-6a-nitro-6,6a,6b,7,9,11a-hexahydrospiro[chromeno[3,4]pyrrolo[1,2-c]thiazole-1,11'-indeno[1,2-b]pyridine]chloroform monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1111-o1112.	0.2	5
59	(E)-1-(5-iodothiophen-2-yl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2921-o2921.	0.2	1