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List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Structure Elucidation, Hirshfeld Surface Analysis, Molecular Docking and Computational Studies of a Jahn-Teller Distorted Octahedral Cobalt (II) Complex with Saccharin Ligand. Polycyclic Aromatic Compounds, 2023, 43, 4396-4406. | 2.6 | 4 |
| 2 | Synthesis, spectroscopic analyses, DFT calculations and molecular docking studies of Pd(II) complex of hydrazone ligand derived from ethyl carbazate. Molecular Crystals and Liquid Crystals, 2022, 736, 72-92. | 0.9 | 2 |
| 3 | Low pH-induced lone-pair activity in the hybrid (C ₆ H ₁₀ N ₂)[SnCl ₃]Cl: Chemical study and physical characterizations. Journal of Molecular Structure, 2022, 1248, 131403. | 3.6 | 2 |
| 4 | (E)-N-(3-chlorophenyl)-1-(5-nitro-2-(piperidin-1-yl)phenyl)methanimine: X-Ray, DFT, ADMET, Boiled-Egg Model, Druggability, Bioavailability, and Human Cyclophilin D (CypD) Inhibitory Activity. Journal of Molecular Structure, 2022, 1250, 131744. | 3.6 | 7 |
| 5 | Crystal structure and Hirshfeld surface analysis of 6-((<i>E</i>)-2-(4-[2-(4-chlorophenyl)-2-oxoethoxy]phenyl)ethenyl)-4,5-dihydropyridazin-3(2 <i>H</i>)-one. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 8-11. | 0.5 | 2 |
| 6 | Crystal structure and Hirshfeld surface analysis of (<i>Z</i>)-4-{[4-(3-methyl-3-phenylcyclobutyl)thiazol-2-yl]amino}-4-oxobut-2-enoic acid. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 120-124. | 0.5 | 9 |
| 7 | Stereoselective synthesis, structural determination, computational studies and antimicrobial activity of novel class of spiropyroloquinoxaline engrafted ferrocenoindole hybrid heterocycle. Journal of Molecular Structure, 2022, 1252, 132131. | 3.6 | 2 |
| 8 | A new dinuclear copper(II) complex of 2,5-furandicarboxylic acid with 4(5)-methylimidazole as a high potential α -glucosidase inhibitor: Synthesis, crystal structure, cytotoxicity study, and TD/DFT calculations. Applied Organometallic Chemistry, 2022, 36, e6590. | 3.5 | 0 |
| 9 | Crystal structure and Hirshfeld surface analysis of 3-(hydroxymethyl)-3-methyl-2,6-diphenylpiperidin-4-one. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 29-32. | 0.5 | 2 |
| 10 | Crystal structure and molecular docking study of diethyl 2,2-((1- <i>E</i> ,1- <i>E</i>)-(hydrazine-1,2-diylidene)bis(methanylylidene))bis(4,1-phenylene))bis(oxy))diacetate. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 88-91. | 0.5 | 1 |
| 11 | A novel series of M(II) complexes of 6-methylpyridine-2-carboxylic acid with 4(5)-methylimidazole: Synthesis, crystal structures, α -glucosidase activity, density functional theory calculations and molecular docking. Applied Organometallic Chemistry, 2022, 36, . | 3.5 | 0 |
| 12 | Crystal structure and Hirshfeld surface analysis of 6,6-((1- <i>E</i> ,1- <i>E</i>)-{[1,4-phenylenebis(methylene)]bis(azanylylidene))bis(methaneylylidene))bis(2-methoxyphenol). Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 84-87. | 0.5 | 1 |
| 13 | Synthesis, solid state self-assembly driven by antiparallel π - π stacking and $\{H\cdots C\cdots F\}_{2 \times 2}$ dimer synthons, and <i>in vitro</i> acetyl cholinesterase inhibition activity of phenoxy pendant isatins. RSC Advances, 2022, 12, 1788-1796. | 3.6 | 6 |
| 14 | Synthesis, spectral properties, <i>in vitro</i> α -glucosidase inhibitory activity and quantum chemical calculations of novel mixed-ligand M(II) complexes containing 1,10-phenanthroline. Applied Organometallic Chemistry, 2022, 36, . | 3.5 | 0 |
| 15 | Synthesis, Structure and Acetylcholinesterase Inhibition Activity of New Diarylpyrazoles. Bioorganic Chemistry, 2022, 121, 105658. | 4.1 | 1 |
| 16 | Growth, crystal structure, Hirshfeld surface analysis, DFT studies, physicochemical characterization, and cytotoxicity assays of novel organic triphosphate. Journal of Molecular Modeling, 2022, 28, 65. | 1.8 | 13 |
| 17 | Crystal structure and Hirshfeld surface analysis of 2-oxo-2-phenylethyl 3-nitroso-2-phenylimidazo[1,2- <i>a</i>]pyridine-8-carboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 322-325. | 0.5 | 0 |
| 18 | Crystal structure of (<i>E</i>)-3-([6-[2-(4-chlorophenyl)ethenyl]-3-oxo-2,3-dihydropyridazin-4-yl]methyl)pyridin-1-ium chloride dihydrate. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 458-462. | 0.5 | 1 |

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|----|--|-----|-----------|
| 19 | Therapeutical Potential of Imines; Synthesis, Single Crystal Structure, Computational, Molecular Modeling, and ADMET Evaluation. <i>ACS Omega</i> , 2022, 7, 10568-10579. | 3.5 | 10 |
| 20 | Crystal structure and Hirshfeld surface analysis of dimethyl 3,3-bis-[[[(1 <i>i>E</i></i> ,2 <i>i>E</i></i>)-ethane-1,2-diylidene]bis(azanylylidene)]bis(4-methylbenzoate). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 340-345. | 0.5 | 11 |
| 21 | Experimental and theoretical approaches on structural, spectroscopic (FT-IR and UV-Vis), nonlinear optical, and molecular docking analyses for Zn (II) and Cu (II) complexes of 6-chloropyridine-2-carboxylic acid. <i>Applied Organometallic Chemistry</i> , 2022, 36, . | 3.5 | 10 |
| 22 | Acesulfame based Co(II) complex: Synthesis, structural investigations, solvatochromism, Hirshfeld surface analysis and molecular docking studies. <i>Polyhedron</i> , 2022, 218, 115762. | 2.2 | 50 |
| 23 | Solvothermal synthesis, crystal structure, thermal, magnetic properties and DFT computations of a Ytterbium(III) complex derived from pyridine-2,6-dicarboxylic acid. <i>Journal of Molecular Structure</i> , 2022, 1260, 132877. | 3.6 | 10 |
| 24 | Stabilization of supramolecular network of fluconazole drug polyiodide: Synthesis, computational and spectroscopic studies. <i>Journal of Molecular Structure</i> , 2022, 1263, 133192. | 3.6 | 9 |
| 25 | Synthesis, structural, photo-physical properties and DFT studies of some diarylheptanoids. <i>Journal of Molecular Structure</i> , 2022, 1264, 133254. | 3.6 | 5 |
| 26 | Crystal structure and Hirshfeld surface analysis of 2,4,6-triaminopyrimidine-1,3-dium dinitrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 669-674. | 0.5 | 3 |
| 27 | Co (II) Complexes Based on the Bis-Pyrazol-S-Triazine Pincer Ligand: Synthesis, X-ray Structure Studies, and Cytotoxic Evaluation. <i>Crystals</i> , 2022, 12, 741. | 2.2 | 6 |
| 28 | Synthesis, Structure and Biological Evaluations of Zn(II) Pincer Complexes Based on S-Triazine Type Chelator. <i>Molecules</i> , 2022, 27, 3625. | 3.8 | 8 |
| 29 | X-ray Structure Analyses and Biological Evaluations of a New Cd(II) Complex with S-Triazine Based Ligand. <i>Crystals</i> , 2022, 12, 861. | 2.2 | 6 |
| 30 | Investigation on crystal structure, spectral FT-IR analysis, DFT and molecular docking studies of a novel complex with the N ² -(pyridin-2-ylmethylene)nicotinohydrazide. <i>Journal of Molecular Structure</i> , 2022, 1269, 133741. | 3.6 | 6 |
| 31 | A zinc(II) metal-organic complex based on 2-(2-aminophenyl)-1H-benzimidazole ligand: Exhibiting high adsorption capacity for aromatic hazardous dyes and catecholase mimicking activity. <i>Journal of Molecular Liquids</i> , 2022, 363, 119767. | 4.9 | 7 |
| 32 | Novel metal complexes containing 6-methylpyridine-2-carboxylic acid as potent α -glucosidase inhibitor: synthesis, crystal structures, DFT calculations, and molecular docking. <i>Molecular Diversity</i> , 2021, 25, 171-189. | 3.9 | 15 |
| 33 | Synthesis, Crystal Structure, DFT Calculations and Hirshfeld Surface Analysis of 3-Chloro-2,6-Bis(4-Chlorophenyl)-3-Methylpiperidin-4-One. <i>Journal of Chemical Crystallography</i> , 2021, 51, 273-287. | 1.1 | 51 |
| 34 | Design, stereoselective synthesis, computational studies and cholinesterase inhibitory activity of novel spiropyrrolidinoquinoxaline tethered indole hybrid heterocycle. <i>Journal of Molecular Structure</i> , 2021, 1225, 129165. | 3.6 | 6 |
| 35 | Synthesis, crystal structure, spectroscopic studies, NBO, AIM and SQMFF calculations of new pyridazinone derivative. <i>Journal of Molecular Structure</i> , 2021, 1223, 129213. | 3.6 | 42 |
| 36 | Synthesis, X-ray crystallography, vibrational spectroscopy, thermal and DFT studies of (E)-6-(4-methylstyryl)-4,5-dihydropyridazin-3(2H)-one. <i>Journal of Molecular Structure</i> , 2021, 1225, 129180. | 3.6 | 16 |

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|----|---|-----|-----------|
| 37 | Synthesis, X-ray structural determination and biological evaluation of novel ferrocene grafted spiroquinoxalinopyrrolidine. <i>Journal of Molecular Structure</i> , 2021, 1226, 129348. | 3.6 | 2 |
| 38 | Synthesis, spectroscopy, crystal structure, TGA/DTA study, DFT and molecular docking investigations of (E)-4-(4-methylbenzyl)-6-styrylpyridazin-3(2H)-one. <i>Journal of Molecular Structure</i> , 2021, 1228, 129435. | 3.6 | 55 |
| 39 | Novel Mn(II) and Zn(II) complexes of 6- α -bromopicolinic acid as a potential optical material: Synthesis, spectral characterizations, linear, and nonlinear optical properties and density functional theory calculations. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6125. | 3.5 | 10 |
| 40 | Crystal structure and Hirshfeld surface analysis of 2-methyl-3-nitro- <i>N</i> -[(<i>E</i>)-(5-nitrothiophen-2-yl)methylidene]aniline. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 138-141. | 0.5 | 17 |
| 41 | Synthesis, Structure and Hirshfeld Surface Analysis of a New Iron Complex [Fe(N4Py)(tcnspr)](tcnspr). <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3054-3061. | 3.7 | 2 |
| 42 | Crystal structure, Hirshfeld surface analysis, DFT and molecular docking investigation of 2-(2-oxo-1,3-oxazolidin-3-yl)ethyl 2-[2-(2-oxo-1,3-oxazolidin-3-yl)ethoxy]quinoline-4-carboxylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 28-33. | 0.5 | 0 |
| 43 | Crystal structure and Hirshfeld surface analysis of 4-(2,6-dichlorobenzyl)-6-[(<i>E</i>)-2-phenylethenyl]pyridazin-3(<i>H</i>)-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 23-27. | 0.5 | 6 |
| 44 | Crystal structure, DFT studies and thermal characterization of new luminescent stannate (IV) based inorganic-organic hybrid compound. <i>Journal of Molecular Structure</i> , 2021, 1224, 129266. | 3.6 | 22 |
| 45 | Theoretical and experimental approaches of new Schiff bases: efficient synthesis, X-ray structures, DFT, molecular modeling and ADMET studies. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2345-2368. | 2.2 | 20 |
| 46 | Synthesis of two new Schiff bases; crystal structure, Hirshfeld surface analysis, density functional theory and molecular docking. <i>Journal of Molecular Structure</i> , 2021, 1226, 129330. | 3.6 | 14 |
| 47 | Synthesis, crystal structures, Hirshfeld surface analysis and physico-chemical characterization of two new ZnII and CdII halidometallates. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10890-10905. | 2.2 | 2 |
| 48 | Crystal structure and Hirshfeld surface analysis of a copper(II) complex containing 2-nitrobenzoate and tetramethylethylenediamine ligands. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 412-415. | 0.5 | 1 |
| 49 | Formation of a new CuII-triazole ester complex from 1,2-cyclohexanedione-bis(<i>p</i> -bromobenzohydrazone) compound as a consequence of copper(II)-catalyzed click reaction. <i>Chemical Papers</i> , 2021, 75, 3901-3914. | 2.2 | 12 |
| 50 | Polymorphs of 2-[2-[(2,6-dichlorophenyl)amino]phenyl]acetic acid (Diclofenac): Differences from crystallography, Hirshfeld surface, QTAIM and NCIPlots. <i>Chemical Physics</i> , 2021, 544, 111119. | 1.9 | 4 |
| 51 | Two new copper (II) carboxylate complexes based on <i>N,N,N',N'</i> -tetramethylethylenediamine: Synthesis, crystal structures, spectral properties, dft studies and hirshfeld surface analysis. <i>Journal of Molecular Structure</i> , 2021, 1230, 129916. | 3.6 | 47 |
| 52 | An unprecedented formation of new copper(II) complexes as bioactive materials based on copper-catalyzed click reaction. <i>Polyhedron</i> , 2021, 198, 115084. | 2.2 | 8 |
| 53 | Crystal structure and Hirshfeld surface analysis of [2-(1- <i>H</i> -benzimidazol-2-yl)- <i>N</i>] Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 491-494. | 0.5 | 3 |
| 54 | 5-((1 <i>H</i> -imidazol-1-yl)methyl)quinolin-8-ol as potential antiviral SARS-CoV-2 candidate: Synthesis, crystal structure, Hirshfeld surface analysis, DFT and molecular docking studies. <i>Journal of Molecular Structure</i> , 2021, 1232, 130005. | 3.6 | 62 |

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|----|---|-----|-----------|
| 55 | A tris β -diketonate europium(III) complex based OLED fabricated by thermal evaporation method displaying efficient bright red emission. <i>Organic Electronics</i> , 2021, 96, 106216. | 2.6 | 51 |
| 56 | Stereoselective synthesis and discovery of novel spirooxindolopyrrolidine engrafted indandione heterocyclic hybrids as antimycobacterial agents. <i>Bioorganic Chemistry</i> , 2021, 110, 104798. | 4.1 | 20 |
| 57 | Crystal structure and molecular docking study of (<i>E</i>)-2-[(<i>E</i>)-2-hydroxy-5-methylbenzylidene]hydrazinylidene-1,2-diphenylethan-1-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 658-662. | 0.5 | 3 |
| 58 | Crystal structure, Hirshfeld and electronic transition analysis of 2-[(1 <i>H</i> -benzimidazol-1-yl)methyl]benzoic acid. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 755-758. | 0.5 | 2 |
| 59 | Single-Crystal-to-Single-Crystal Transformation and Catalytic Properties of New Hybrid Perhalidometallates. <i>Catalysts</i> , 2021, 11, 758. | 3.5 | 4 |
| 60 | Fabrication and Antimicrobial Activity of Poly(lactic acid) Nanofibers Containing Firstly Synthesized Silver Diclofenac Complex with (2-methylimidazole) for Wound Dressing Applications. <i>Fibers and Polymers</i> , 2021, 22, 2738-2749. | 2.1 | 14 |
| 61 | A newly synthesized small molecule: the evaluation against Alzheimer's Disease by in silico drug design and computational structure analysis methods. <i>Journal of Molecular Structure</i> , 2021, 1236, 130337. | 3.6 | 11 |
| 62 | Synthesis, Crystal Structure, Hirshfeld Surface Analysis, and Computational Study of a Novel Organic Salt Obtained from Benzylamine and an Acidic Component. <i>ACS Omega</i> , 2021, 6, 22357-22366. | 3.5 | 66 |
| 63 | Synthesis, Anti-Bacterial and Anti-Oxidant Activity of Azo-Oxazolone and Their Ring Opening Azo-Benzamide Derivatives. <i>Current Organic Synthesis</i> , 2021, 18, 493-505. | 1.3 | 4 |
| 64 | Synthesis, crystal structure, vibrational spectral investigation, intermolecular interactions, chemical reactivity, NLO properties and molecular docking analysis on (E)-N-(4-nitrobenzylidene)-3-chlorobenzenamine: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2021, 1240, 130589. | 3.6 | 37 |
| 65 | Synthesis, structural determination, Hirshfeld surface analysis, 3D energy frameworks, electronic and (static, dynamic) NLO properties of o-Nitroacetanilide (o-NAA): A combined experimental and quantum chemical study. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108884. | 3.9 | 5 |
| 66 | Concentration effects on optical properties, DFT, crystal characterization and α -glucosidase activity studies: Novel Zn(II) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120072. | 3.9 | 16 |
| 67 | Crystallographic, spectroscopic, thermal, optical investigations and density functional theory calculations for novel Co(II) and Mn(II) complexes. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 2.3 | 11 |
| 68 | Crystal structure and Hirshfeld surface analysis of (<i>Z</i>)-2-[(2,4-dimethylphenyl)imino]methyl-4-methylphenol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1087-1090. | 0.5 | 0 |
| 69 | Validation of crystal structure of 2-acetamidophenyl acetate: an experimental and theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-13. | 3.5 | 1 |
| 70 | Crystal structure and Hirshfeld surface analysis of bis[(ethoxymethanethioyl)sulfanido](<i>N,N,N,N</i> -tetramethylethane-1,2-diamine)mercury(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1126-1129. | 0.5 | 0 |
| 71 | Crystal structure and Hirshfeld surface analysis of 2-[(<i>E</i>)-(3-cyclobutyl-1 <i>H</i> -1,2,4-triazol-5-yl)imino]methylphenol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1267-1271. | 0.5 | 5 |
| 72 | Chemical Synthesis, X-ray Crystallography, Hirshfeld Surface Analysis, and Molecular Docking Studies of (E)-2-((3-Bromophenyl)imino)methyl)-5-(diethylamino)phenol Schiff Base. <i>Crystallography Reports</i> , 2021, 66, 1023-1030. | 0.6 | 2 |

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|----|--|-----|-----------|
| 73 | Synthesis and X-ray crystal structures of three new nickel(II) complexes of benzoylhydrazones: Catalytic applications in the synthesis of 2-arylbenzoxazoles. <i>Inorganica Chimica Acta</i> , 2020, 500, 119222. | 2.4 | 12 |
| 74 | Synthesis, crystal structure, photophysical properties, density functional theory calculations and molecular docking studies on Cd(II) complex of 4,4'-dimethyl-2,2'-dipyridyl. <i>Journal of Molecular Structure</i> , 2020, 1202, 127288. | 3.6 | 15 |
| 75 | Synthesis of a novel phenytoin derivative: Crystal structure, Hirshfeld surface analysis and DFT calculations. <i>Journal of Molecular Structure</i> , 2020, 1205, 127630. | 3.6 | 56 |
| 76 | Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of 2-[(2,3-dimethylphenyl)amino]-N ¹ -[(E)-thiophen-2-ylmethylidene]benzohydrazide. <i>Journal of Molecular Structure</i> , 2020, 1205, 127654. | 3.6 | 76 |
| 77 | Synthesis of the first mixed ligand Mn (II) and Cd (II) complexes of 4-methoxy-2-pyridine-carboxylic acid, molecular docking studies and investigation of their anti-tumor effects <i>in vitro</i> . <i>Applied Organometallic Chemistry</i> , 2020, 34, e5416. | 3.5 | 49 |
| 78 | Crystal Structure and Hirshfeld Surface Analysis of 3,5-Bis(4-Methoxyphenyl)-4,5-Dihydro-1H-Pyrazole-1-Carbothioamide. <i>Journal of Structural Chemistry</i> , 2020, 61, 126-132. | 1.0 | 7 |
| 79 | Highly functionalized N-1-(2-pyridinylmethyl)-3,5-bis[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: Synthesis, characterization, crystal structure and DFT studies. <i>Journal of Molecular Structure</i> , 2020, 1222, 128940. | 3.6 | 11 |
| 80 | Synthesis, crystal structure, spectroscopic (FT-IR, 1H and 13C NMR) and nonlinear optical properties of a novel potential HIV-1 protease inhibitor. <i>Chemical Physics Letters</i> , 2020, 742, 137171. | 2.6 | 11 |
| 81 | [Bmim]Br Accelerated One-Pot Three-Component Cascade Protocol for the Construction of Spirooxindole-Pyrrolidine Heterocyclic Hybrids. <i>Molecules</i> , 2020, 25, 4779. | 3.8 | 5 |
| 82 | Synthesis and X-ray crystal structures of two different zinc (II) complexes of N,N'-cyclohexane-1,2-diylidene-bis(4-fluorobenzoylhydrazide) based on zinc salt effect. <i>Journal of Molecular Structure</i> , 2020, 1217, 128387. | 3.6 | 4 |
| 83 | Synthesis, experimental and theoretical characterization of (E)-2-((2,3-dimethylphenyl)amino)-N ¹ -(furan-2-ylmethylene)benzohydrazide. <i>Journal of Molecular Structure</i> , 2020, 1219, 128518. | 3.6 | 12 |
| 84 | 1,4-Disubstituted 1H-1,2,3-Triazoles for Renal Diseases: Studies of Viability, Anti-Inflammatory, and Antioxidant Activities. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3823. | 4.1 | 18 |
| 85 | Towards white light emission from a hybrid thin film of a self-assembled ternary samarium(III) complex. <i>New Journal of Chemistry</i> , 2020, 44, 5673-5683. | 2.8 | 54 |
| 86 | Synthesis, spectral properties, α -glucosidase inhibition, second-order and third-order NLO parameters and DFT calculations of Cr(III) and V(IV) complexes of 3-methylpicolinic acid. <i>Journal of Molecular Structure</i> , 2020, 1220, 128761. | 3.6 | 4 |
| 87 | X-ray diffraction, Hirshfeld surface, local and global chemical activity studies of a Bis{(E)-2,4-di-tert-butyl-6-((3-iodo-4-methylphenylimino)methyl)phenolato-N,O}-copper(II) complex. <i>Journal of Molecular Structure</i> , 2020, 1208, 127874. | 3.6 | 4 |
| 88 | Co(II) and Zn(II) pyrazolyl-benzimidazole complexes with remarkable antibacterial activity. <i>New Journal of Chemistry</i> , 2020, 44, 2210-2221. | 2.8 | 54 |
| 89 | Synthesis, spectral properties, <i>in vitro</i> α -glucosidase inhibitory activity and quantum chemical calculations of novel mixed-ligand M(II) complexes containing 1,10-phenanthroline. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5412. | 3.5 | 10 |
| 90 | A facile ionic liquid-accelerated, four-component cascade reaction protocol for the regioselective synthesis of biologically interesting ferrocene engrafted spiropyrrolidine hybrid heterocycles. <i>Journal of King Saud University - Science</i> , 2020, 32, 2500-2504. | 3.5 | 8 |

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|-----|--|-----|-----------|
| 91 | Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterization, and quantum computational evaluation of (E)-2-(((4-bromophenyl)imino)methyl)-6-methylphenol. Journal of Physics and Chemistry of Solids, 2020, 144, 109478. | 4.0 | 5 |
| 92 | Crystal structural and in silico studies of Schiff bases derived from 4-aminoantipyrine. Solid State Sciences, 2020, 106, 106293. | 3.2 | 7 |
| 93 | Regio- and diastereoselective synthesis of spiropyrrroloquinoxaline grafted indole heterocyclic hybrids and evaluation of their anti- <i>Mycobacterium tuberculosis</i> activity. RSC Advances, 2020, 10, 23522-23531. | 3.6 | 21 |
| 94 | Two new zinc(II) and mercury(II) complexes based on ϵ^2 -(cyclohexane-1,2-diylidene)bis(4-fluorobenzohydrazide): synthesis, crystal structures and antibacterial activities. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 476-482. | 0.5 | 6 |
| 95 | Crystal structure, DFT and MEP study of (E)-2-[[3-chlorophenyl]imino]methyl-6-methylphenol. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 141-144. | 0.5 | 7 |
| 96 | Polymorphism of 2-(5-benzyl-6-oxo-3-phenyl-1,6-dihydropyridazin-1-yl)acetic acid with two monoclinic modifications: crystal structures and Hirshfeld surface analyses. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 432-437. | 0.5 | 3 |
| 97 | Bis[tris(pyridin-2-yl)amine]iron(II) tris(dicyanomethylidene)methanediide. IUCrData, 2020, 5, . | 0.3 | 1 |
| 98 | Crystal structure and Hirshfeld surface analysis of hexyl 1-hexyl-2-oxo-1,2-dihydroquinoline-4-carboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 642-645. | 0.5 | 0 |
| 99 | Crystal structure and Hirshfeld surface analysis of one-dimensional copper(II) coordination polymer incorporating succinate and tetramethylethylenediamine ligands. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1038-1041. | 0.5 | 1 |
| 100 | Crystal structure and Hirshfeld surface analysis of 2-[[4-iodophenyl]imino]methyl-4-nitrophenol. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1146-1149. | 0.5 | 3 |
| 101 | Crystal structure, Hirshfeld surface analysis and DFT studies of (E)-4-methyl-2-[[4-methylphenyl]imino]methylphenol. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1075-1079. | 0.5 | 0 |
| 102 | Synthesis, crystal structures and Hirshfeld surface analysis of 1,4-dibenzyl-6-methyl-1,4-dihydroquinoxaline-2,3-dione. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1361-1364. | 0.5 | 1 |
| 103 | Crystal structure, Hirshfeld surface analysis and DFT studies of 4-methyl-2-[[4-(trifluoromethyl)phenyl]imino]methylphenol. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1325-1330. | 0.5 | 2 |
| 104 | Synthesis, crystal structure and Hirshfeld surface analysis of 1,7-dimethyl-5a,6,11a,12-tetrahydrobenzo[<i>b</i>]benzo[5,6][1,4]oxazino[2,3- <i>e</i>][1,4]oxazine. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1472-1475. | 0.5 | 2 |
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