

Michal Dusek

List of Publications by Year in descending order

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515
papers

9,634
citations

100601

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528
all docs

528
docs citations

528
times ranked

11913
citing authors

#	ARTICLE	IF	CITATIONS
1	Deferasirox pyridine solvate and its Cu(II) complex: Synthesis, crystal structure, Hirshfeld surface analysis, antimicrobial assays and antioxidant activity. <i>Journal of Molecular Structure</i> , 2022, 1249, 131525.	1.8	7
2	Heterodinuclear Cu–Gd (3d-4f) complex with di-compartmental Schiff base ligand in biological activity: Synthesis, crystal structure, catecholase activity and DNA & BSA-binding studies. <i>Journal of Molecular Liquids</i> , 2022, 345, 117785.	2.3	14
3	Structure of the high-temperature phase of caesium nitrate – the importance of high-resolution data. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 140-152.	0.5	0
4	Single crystal structure features of a new Bi(III) complex, for preparation an effective bleaching catalyst. <i>Polyhedron</i> , 2022, 216, 115725.	1.0	1
5	Collaboration between 3d-4f metal centers of heterodimetallic Ni(II)-Gd(III) complex in catecholase activity and interaction with FS-DNA & BSA. <i>Polyhedron</i> , 2022, 218, 115758.	1.0	7
6	Synthesis, characterization, cytotoxicity and DNA/BSA binding of two amino acid palladium(II) complexes derived from alanine and valine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2022, 41, 97-122.	0.4	3
7	Single crystal structure features of a new tri-hetero metallic polymer, a catalyst for mild homogeneous peroxidative oxidation of cyclohexane. <i>Journal of Solid State Chemistry</i> , 2022, 311, 123123.	1.4	2
8	Database Survey of Single-and-Half Phosphorus–Oxygen Bonds in Salts with the C2PO2 Segment: Crystal Structure of [NH2C5H4NH][(C6H5)2P(O)(O)]·2H2O. <i>Crystallography Reports</i> , 2022, 67, 218-223.	0.1	0
9	Template synthesis, DNA binding, antimicrobial activity, Hirshfeld surface analysis, and 1D helical supramolecular structure of a novel binuclear copper(II) Schiff base complex. <i>RSC Advances</i> , 2022, 12, 13580-13592.	1.7	12
10	Crystal structure evolution in the van der Waals vanadium trihalides. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 294007.	0.7	5
11	Synthesis, crystal structure and catalytic activity of the new hybrid phosphate (C4H12N2)[Co(H2O)6](HPO4)2. <i>Journal of Molecular Structure</i> , 2022, 1265, 133296.	1.8	4
12	A new phenoxo-bridged dicopper Schiff base complex: Synthesis, crystal structure, DNA/BSA interaction, cytotoxicity assay and catecholase activity. <i>Polyhedron</i> , 2022, 221, 115891.	1.0	3
13	Synthesis, characterisation, investigation of flame retardancy properties and thermal stability of two new phosphoramides with cotton fabric. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 165, 105568.	2.6	6
14	Structure–property relations of a unique and systematic dataset of 19 isostructural multicomponent apremilast forms. <i>IUCr</i> , 2022, 9, 508-515.	1.0	0
15	New Water-Soluble Cytokinin Derivatives and Their Beneficial Impact on Barley Yield and Photosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7288-7301.	2.4	2
16	DNA interaction and BSA binding of O-vanillin-based new Schiff base Co(III) and Ni(II) complexes: Theoretical, experimental, antibacterial and anticancer studies. <i>Polyhedron</i> , 2022, 223, 115987.	1.0	10
17	A novel schiff base ligand and its copper complex: Synthesis, characterization, X-ray crystal structure and biological evaluation. <i>Journal of Molecular Structure</i> , 2021, 1226, 129395.	1.8	14
18	Synthesis new Co–Mn mixed oxide catalyst for the production of light olefins by tuning the catalyst structure. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	1.7	4

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19	Hydrothermal synthesis and crystal structure of a new organic-inorganic magnesium complex for the removal of tetracycline. <i>Journal of Molecular Structure</i> , 2021, 1224, 129315.	1.8	6
20	A new vanadium complex having [OVV(μ -O) ₂ VVO] core with anti-coplanar configuration: Synthesis, crystal structure, DFT calculation, antibacterial and a homogeneous catalyst for epoxidation of alkenes. <i>Polyhedron</i> , 2021, 194, 114939.	1.0	11
21	Experimental and computational studies of di- μ -chlorido-bis[chlorido(1,10-phenanthroline- η ^2N,N ϵ ^2)nickel(II)] NiCl ₂ (H ₂ O)(C ₁₂ N ₂ H ₈): Crystal structure, quantitative analysis of the intermolecular interactions and electronic properties. <i>Journal of Molecular Structure</i> , 2021, 1227, 129576.	1.8	0
22	Synthesis and crystal structure of phosphonic acid and bisphosphoramidate derivatives: QSAR studies of their anti-fungal potential on <i>Macrophomina Phaseolina</i> (Tassi) Goid. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1591-1606.	1.2	1
23	Crystal structure and spectroscopy studies of the thulium acid pyrophosphate HTmP ₂ O ₇ ·3H ₂ O. <i>Journal of Molecular Structure</i> , 2021, 1224, 129157.	1.8	2
24	Conformational analysis of two new organotin(IV) structures completed with a CSD survey. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 68-80.	0.2	4
25	Synthesis, structural characterization and cytotoxicity of a new proton transfer compound based on 2,4-diamino-1,3,5-triazine: an experimental and computational study. <i>New Journal of Chemistry</i> , 2021, 45, 19755-19763.	1.4	4
26	A Unique Example of a Co-crystal of [Co(AMTTO) ₂ (H ₂ O) ₂](NO ₃) ₂ and [Co(AMTTO) ₂ (CH ₃ CN) ₂](NO ₃) ₂ (AMTTO = 4-amino-5-methyl-1,2,4-triazol-3(2H)-thione). <i>Journal of Chemical Crystallography</i> , 2021, 51, 575.	0.5	0
27	One-Pot Synthesis of 2,5-Dihydrosiloles and Their Silole-Annulated Analogs Starting from Alkynylsilanes with a Terminal Alkynyl Group. <i>Journal of Organic Chemistry</i> , 2021, 86, 3871-3881.	1.7	4
28	Structural differences/similarities of diastereotopic groups in three new chiral phosphoramides. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 186-196.	0.2	0
29	Iron(III) and cobalt(III) complexes with pentadentate pyridoxal Schiff base ligand – structure, spectral, electrochemical, magnetic properties and DFT calculations. <i>Polyhedron</i> , 2021, 197, 115019.	1.0	7
30	A new silver 1D-coordination polymer with bridging 2-aminopyrimidine, synthesis, characterization and antibacterial activity. <i>Journal of Coordination Chemistry</i> , 2021, 74, 1057-1065.	0.8	1
31	Structure analysis and biological functionalities of a nickel(II) complex and its sonochemically synthesized nano form: in vitro anti-proliferation, DNA binding, antibacterial and molecular docking study. <i>Journal of Molecular Structure</i> , 2021, 1231, 129989.	1.8	0
32	Catalytic oxidation of organic sulfides by new iron-chloro Schiff base complexes: The effect of methoxy substitution and ligand isomerism on the electronic, electrochemical and catalytic performance of the complexes. <i>Polyhedron</i> , 2021, 200, 115135.	1.0	7
33	Hydrogen-bond directionality and symmetry in [C(O)NH](N) ₂ P(O)-based structures: a comparison between X-ray crystallography data and neutron-normalized values, and evaluation of reliability. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 384-396.	0.5	4
34	Apoptotic induction in K562 cell line by new water-soluble complexes of nickel(II) and zinc(II). <i>Polyhedron</i> , 2021, 202, 115205.	1.0	2
35	New Schiff base ligand N-(2-hydroxy-1-naphthylidene)-2-methyl aniline and its nano-sized copper(II) complex: synthesis, characterization, crystal structure and application as an electrochemical sensor of 2-phenylphenol in the presence of 4-chlorophenol. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25118-25136.	1.1	5
36	New heterobimetallic Cu(II)/Mn(II) complexes with trans-1,8-cyclam derivatives: Synthesis, characterization, magnetic properties and crystal structures of (μ -2-Chloro)-(dpc)-copper(II)-trichloro-manganese(II) and two polymorphs of (μ -2-Chloro)-(dac)-copper(II)-trichloro-manganese(II). <i>Journal of Molecular Structure</i> , 2021, 1241, 130592.	1.8	1

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37	Formation of 1D coordination polymers by reaction of a tetrazine ligand and PbX ₂ (X: Br, I) salts: Spectral, structural and theoretical studies. <i>Polyhedron</i> , 2021, 208, 115440.	1.0	3
38	Sonochemical synthesis, crystal structure and catalase interaction of a new 2D coordination polymer based on isoniazid and oxalato bridges. <i>Journal of Molecular Structure</i> , 2021, 1244, 131276.	1.8	3
39	Synthesis, Structural Elucidation, In Vitro Antibacterial Activity and Antioxidant Property of a Novel Oxo- Vanadium(V) Dimer Complex Incorporating Deferasirox Ligand. <i>ChemistrySelect</i> , 2021, 6, 10405-10411.	0.7	2
40	Low-temperature phases of dicalcium barium hexakis(propanoate). <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 683-690.	0.2	4
41	A novel Au(III) complex with the 5,5'-dimethyl-2,2'-bipyridine ligand: Synthesis, characterization, X-ray crystal structure and biological evaluation. <i>Polyhedron</i> , 2021, 210, 115513.	1.0	0
42	A novel cadmium(II) complex of bipyridine derivative: synthesis, X-ray crystal structure, DNA-binding and antibacterial activities. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 236-247.	2.0	18
43	Synthesis of imidazolium zwitterions via an efficient one-pot three-component synthetic protocol. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 513-519.	1.2	1
44	Crystal structure of a supramolecular dimer of Co(III) complex and evaluation of the DNA /BSA interaction. <i>Journal of Molecular Structure</i> , 2020, 1200, 127100.	1.8	7
45	Sonochemical synthesis and structural characterization of an organic-inorganic nanohybrid based on a copper-dithiocarbamate complex and PMo ₁₂ O ₄₀ ³⁻ polyanion as a novel sonocatalyst. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104727.	3.8	12
46	Synthesis and structural characterization of phosphinate coordination polymers with tin(IV) and copper(II). <i>Journal of Molecular Structure</i> , 2020, 1202, 127369.	1.8	10
47	Mechanochemically Induced Polymorphic Transformations of Sofosbuvir. <i>Crystal Growth and Design</i> , 2020, 20, 139-147.	1.4	9
48	Synthesis, Characterization and Thermal Studies of a Nanosized 1D L-Arginine/Copper(II) Coordination Polymer by Sonochemical Method: A New Precursor for Preparation of Copper(II) Oxide Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2907-2915.	1.9	10
49	¹ H, ¹³ C and ¹⁵ N NMR of spiro acridines integrated with pyrrole scaffolds. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 204-214.	1.1	3
50	Formation of the First Non-Isostructural Cocrystal of Apremilast Explained. <i>Crystal Growth and Design</i> , 2020, 20, 5785-5795.	1.4	8
51	New Mn(II) and Cu(II) Complexes of Naphthaldimine Schiff Base Ligands: Synthesis, Characterization and Crystal Structures. <i>Journal of Structural Chemistry</i> , 2020, 61, 57-65.	0.3	2
52	New Pd/Co-Ni electrocatalysts for formic acid electrooxidation and their fabrication from inorganic precursor [Co _{0.14} Ni _{1.86} (dipic) ₂ (phen) ₂ (H ₂ O) ₂] ₄ ·4H ₂ O. <i>Dalton Transactions</i> , 2020, 49, 15864-15873.	1.6	4
53	New hybrid nanostructures based on keggin-type 12-tungstophosphate and some metal-semicarbazone complexes: Synthesis, x-ray crystal structures and spectroscopic studies. <i>Journal of Molecular Structure</i> , 2020, 1217, 128385.	1.8	4
54	Crystal structure, physical study and Hirshfeld surface analysis of (C ₉ H ₂₆ N ₄)[SnCl ₆]Cl ₂ ·2H ₂ O. <i>Inorganic Chemistry Communication</i> , 2020, 118, 107981.	1.8	0

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55	The synthesis, characterization, DNA/BSA/HSA interactions, molecular modeling, antibacterial properties, and <i>in vitro</i> cytotoxic activities of novel parent and niosome nano-encapsulated Ho(III) complexes. <i>RSC Advances</i> , 2020, 10, 22891-22908.	1.7	45
56	A new Ru(II) polypyridyl complex as an efficient photosensitizer for enhancing the visible-light-driven photocatalytic activity of a TiO ₂ /reduced graphene oxide nanocomposite for the degradation of atrazine: DFT and mechanism insights. <i>RSC Advances</i> , 2020, 10, 22500-22514.	1.7	12
57	A Reversible NO-Triggered Multiple Metallaborane Cluster Fusion by Ligand Expulsion/Addition from (PMe ₂ Ph) ₄ Pt ₂ B ₁₀ H ₁₀ to Afford (PMe ₂ Ph) ₈ Pt ₈ B ₄₀ H ₄₀ and (PMe ₂ Ph) ₅ Pt ₄ B ₂₀ H ₂₀ . <i>Inorganic Chemistry</i> , 2020, 59, 5030-5040.	1.9	1
58	Synthesis, crystal structure, hirshfeld surface analysis, spectroscopic, biological and first-principles studies of novel aminocoumarins. <i>Journal of Molecular Structure</i> , 2020, 1221, 128862.	1.8	28
59	Influence of Terminal Carboxyl Groups on the Structure and Reactivity of Functionalized <i>m</i> -Carboranethiolate Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2020, 32, 6800-6809.	3.2	8
60	Resolution limits of a single crystal scintillator based X-ray micro-radiography camera. <i>Journal of Instrumentation</i> , 2020, 15, C02014-C02014.	0.5	1
61	Fe ₂ MnSn “ Experimental quest for predicted Heusler alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 501, 166426.	1.0	14
62	Magnetic phase diagram of the antiferromagnet U ₂ Rh ₂ Pb. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153485.	2.8	3
63	Crystal structure of a new polyoxometalate (POM) compound with a high level of crystallographic disorder. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 164-169.	0.2	2
64	Synthesis and characterization of a series of acylpyrazolone transition metal complexes: Crystal structures and catalytic performance in the epoxidation of cyclooctene. <i>Inorganica Chimica Acta</i> , 2020, 508, 119637.	1.2	7
65	Spectral, structural, biological and molecular docking studies of a new mixed-valence V(IV)/V(V) ofloxacin complex. <i>Journal of Molecular Structure</i> , 2020, 1216, 128300.	1.8	7
66	Pyrazolate as bridging ligand in stabilization of self-assemble Cu(II) Schiff base complexes: Synthesis, structural investigations, DNA/protein (BSA) binding and growth inhibitory effects on the MCF7, CT-26, MDA-MB-231 cell lines. <i>Inorganica Chimica Acta</i> , 2020, 509, 119674.	1.2	21
67	Formation of a copper–copper bond in coordination of a cyclotriphosphazene ligand toward Cu(II): Structural, spectral and docking studies. <i>Journal of Molecular Structure</i> , 2020, 1207, 127804.	1.8	9
68	Synthesis, Spectroscopy and X-ray Crystallography Structure of Pyridine 4-Carbaldehyde Semicarbazone Schiff Base Ligand. <i>Advanced Journal of Chemistry-Section A</i> , 2020, 3, 534-541.	1.4	4
69	Synthesis, crystal structure, physical and catalytic oxidation studies of a new hybrid phosphate [(N ₂ H ₅) ₂ Co(HPO ₄) ₂]. <i>Journal of Molecular Structure</i> , 2020, 1217, 128317.	1.8	5
70	New bipyrazolic compounds: Synthesis, characterization, antibacterial activity and computational studies. <i>Journal of Molecular Structure</i> , 2019, 1176, 110-116.	1.8	4
71	Ultrasonic synthesis, crystal structure, luminescent, and magnetic properties of a new metal–organic complex based on Ce(IV)–Sr(II). <i>Research on Chemical Intermediates</i> , 2019, 45, 4335-4347.	1.3	1
72	Design of Mixed Metal Oxides with Increased Catalytic Activity for Fischer–Tropsch Synthesis. <i>Catalysis Letters</i> , 2019, 149, 3257-3267.	1.4	9

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73	Design novel inorganic precursors for producing clean fuels by using Fischer-Tropsch synthesis. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 1070-1079.	2.4	7
74	New series of water-soluble thiosemicarbazones and their copper(II) complexes as potentially promising anticancer compounds. <i>Journal of Molecular Liquids</i> , 2019, 293, 111412.	2.3	8
75	Structural and theoretical studies of a new hexachlorostannate: (C ₇ H ₁₀ NO) ₂ [SnCl ₆]·2H ₂ O. <i>Journal of Molecular Structure</i> , 2019, 1197, 707-713.	1.8	1
76	Synthesis, Characterization, Crystal Structure, and DFT Study of 4-Bromo-2-(4,6-Dichloro-Phenylimino)-Phenol. <i>Journal of Structural Chemistry</i> , 2019, 60, 890-897.	0.3	6
77	Three new chloromercurate compounds: Synthesis, crystal structure, electronic characteristics, reactivity, polarity, flexibility and thermodynamic properties. <i>Polyhedron</i> , 2019, 173, 114118.	1.0	1
78	A One-Pot Synthesis of Oxazepine-Quinazolinone bis-Heterocyclic Scaffolds via Isocyanide-Based Three-Component Reactions. <i>Frontiers in Chemistry</i> , 2019, 7, 623.	1.8	14
79	Synthesis, structure and luminescence properties of zinc and cadmium linear-chain compounds with anionic monoalkoxy-tetracyanopropenes bridged by 4,4'-bipyridines. <i>Polyhedron</i> , 2019, 170, 271-277.	1.0	5
80	Synthesis, X-ray Diffraction Studies, and Hydrogen Bonding Analysis of a New Phosphoramidate Counterion in Solid State. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 557-564.	0.3	6
81	New hybrid phosphite (CH ₃ OH)Cd(H ₂ PO ₃) ₂ : Synthesis, characterization and application of nanocomposite. <i>Journal of Molecular Liquids</i> , 2019, 289, 111142.	2.3	1
82	The (CF ₃) ₃ C(O)NH(C ₆ H ₅) ₂ CH ₂ NH) ₂ P(O) phosphoric triamide as a novel carrier with excellent efficiency for Cu(II) in a liquid membrane transport system. <i>RSC Advances</i> , 2019, 9, 9153-9159.	1.7	3
83	Novel Co(II) coordination polymers based on 1,2-bis(diphenylphosphino)ethane monoxide and dioxide ligands. <i>Monatshefte für Chemie</i> , 2019, 150, 639-647.	0.9	1
84	A heterodinuclear complex of s-d block containing sodium(I), manganese(II) and the enrofloxacin anion: Preparation, crystal structure and antibacterial activity. <i>Journal of Molecular Structure</i> , 2019, 1186, 355-361.	1.8	9
85	Synthesis, crystal structure and magnetic properties of a new trinuclear iron (II, III) complex, a precursor for the preparation of superparamagnetic Fe ₃ O ₄ nanoparticles applicable in the removal of Cd ²⁺ . <i>Applied Organometallic Chemistry</i> , 2019, 33, e4880.	1.7	8
86	Electrochemical behavior and conversion to Fe ₂ O ₃ nano particles of a neutral seven coordinated iron(III) complex with dipicolinic acid. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 17-22.	0.9	0
87	Hardness of Re-, Ru-, Os-based borides and metal substituted aluminum diborides of MgB ₂ type MO.5Al _{0.5} B ₂ . <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 82, 110-112.	1.7	3
88	Homodinuclear Ni (II) and Cu (II) Schiff base complexes derived from O-vanillin with a pyrazole bridge: Preparation, crystal structures, DNA and protein (BSA) binding, DNA cleavage, molecular docking and cytotoxicity study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 374, 145-160.	2.0	53
89	Sonochemical synthesis and characterization of nano-sized copper(I) thiosemicarbazone complex: crystal structure and thermal study. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1179-1187.	1.2	0
90	A novel iron(III) complex: synthesis, spectra, X-ray structure photoluminescence study, and antibacterial properties. <i>Chemical Papers</i> , 2019, 73, 1639-1646.	1.0	10

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91	Design and fabrication of novel thiourea coordination compounds as potent inhibitors of bacterial growth. <i>Journal of Antibiotics</i> , 2019, 72, 260-270.	1.0	4
92	1D Copper(I) Coordination Polymer [Cu ₂ (μ-(2,4-Cl-ba)2bn)(μ-I ₂)] _n with a Flexible Schiff Base Ligand: Synthesis, Crystal Structure, and Thermal Stability. <i>Journal of Structural Chemistry</i> , 2019, 60, 1983-1988.	0.3	4
93	The structures and phase transitions in 4-aminopyridinium tetraaquabis(sulfato)iron(III), (C ₅ H ₇ N ₂)[Fe ^{III} (H ₂ O) ₄ (SO ₄) ₂]. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 1144-1151.	0.5	1
94	Preparation of a dimer from self-complementary of cobalt(III) complex with dissymmetric compartmental ligand and study of the interaction of the complex with DNA and BSA. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3304-3325.	0.8	7
95	New Cobalt(II) Field-Induced Single-Molecule Magnet and the First Example of a Cobalt(III) Complex with Tridentate Binding of a Deprotonated 4-aminobis(pyridin-2-yl)-1,2,4-triazole Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 250-261.		8
96	Synthesis of new bipyridine N,N-dioxides and their application in asymmetric allylation of benzaldehyde and aldol addition to acetophenone. <i>Monatshefte für Chemie</i> , 2019, 150, 29-48.	0.9	5
97	Crystal structures and phase transitions of the van der Waals ferromagnet $\sqrt{3} \times \sqrt{3} \times 1$. <i>Physical Review Materials</i> , 2019, 3.	0.9	33
98	Investigation of the effect of the N-oxidation process on the interaction of selected pyridine compounds with biomacromolecules: structural, spectral, theoretical and docking studies. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 750-757.	0.2	0
99	Crystal structures of the bis-bidentate N ₂ S ₂ Schiff base ligand and its copper(I) coordination polymer. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2019, 38, 207.	0.2	0
100	Synthesis and structure elucidation of a novel mixed-ligand Cu(II) Schiff base complex and its catalytic performance for the synthesis of 2-amino-4H-pyrans and tetrahydro-4H-chromenes. <i>Polyhedron</i> , 2018, 146, 73-80.	1.0	17
101	Copper(II), nickel(II), zinc(II) and vanadium(IV) Schiff base complexes: Synthesis, characterization, crystal structure determination, and thermal studies. <i>Polyhedron</i> , 2018, 146, 19-25.	1.0	25
102	A novel coordination polymer of Cd(II) based on 2-mercaptopyrimidine: Sonochemical synthesis, characterization, and antibacterial properties. <i>Journal of Molecular Structure</i> , 2018, 1166, 470-478.	1.8	11
103	Design and synthesis of novel thiourea metal complexes with controllable antibacterial properties. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4342.	1.7	4
104	Ibrutinib Polymorphs: Crystallographic Study. <i>Crystal Growth and Design</i> , 2018, 18, 1315-1326.	1.4	23
105	Crystallography, vibrational, electronic and optical analysis of 4-Bromo-2-(2,5-dichloro-phenylimino)-phenol. <i>Journal of Molecular Structure</i> , 2018, 1173, 521-530.	1.8	4
106	A Cu ^{II} complex with an carbamoylcyanonitrosomethanide ligand formed <i>in situ</i> by the nucleophilic addition of water to dicyanonitrosomethanide: structure, spectral and magnetic properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 584-589.	0.2	5
107	Chiral one-dimensional hydrogen-bonded architectures constructed from single-enantiomer phosphoric triamides. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 608-617.	0.2	8
108	Ethylene diamine grafted nanoporous UiO-66 as an efficient basic catalyst in the multi-component synthesis of 2-aminothiophenes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4307.	1.7	19

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109	New asymmetric and symmetric 2-((pyridin-4-yl)methylenamino)-3 aminomaleo nitrile and 2,3-bis((pyridin-4-yl)methylenamino)maleonitrile Schiff bases: Synthesis, experimental characterization along with theoretical studies. <i>Journal of Molecular Structure</i> , 2018, 1163, 388-396.	1.8	7
110	Sonochemical synthesis of polyoxometalate based of ionic crystal nanostructure: A photocatalyst for degradation of 2,4-dichlorophenol. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 174-183.	3.8	30
111	CePd ₂ Ga ₃ and CePd ₂ Zn ₃ – Kondo lattices and magnetic behaviour. <i>Physica B: Condensed Matter</i> , 2018, 536, 413-417.	1.3	1
112	A new one-dimensional 3D supramolecular coordination polymer of Cd ^{II} based on pyrazine and 3-nitrophthalic acid: Synthesis, characterization, crystal structure, thermal analysis. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 74-79.	0.9	1
113	Preparation of magnetically recyclable ZnFe ₂ O ₄ nanoparticles by easy single-step coprecipitation method and their catalytic performance in the synthesis of 2-aminothiophenes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4047.	1.7	15
114	A new supramolecular zinc(II) complex containing 4-biphenylcarbaldehyde isonicotinoylhydrazone ligand: Nanostructure synthesis, catalytic activities and Hirshfeld surface analysis. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4141.	1.7	10
115	Novel inorganic precursors [Co ₄ .32Zn _{1.68} (HCO ₂) ₁₈ (C ₂ H ₈ N) ₆]/SiO ₂ and Co ₄ .32Zn _{1.68} (HCO ₂) ₁₈ (C ₂ H ₈ N) ₆ /Al ₂ O ₃ for Fischer-Tropsch synthesis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 685-694.	3.8	16
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250	Structural Basis for Inhibition of Mycobacterial and Human Adenosine Kinase by 7-Substituted 7-(Het)aryl-7-deazaadenine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8268-8279.	2.9	26
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255	Crystallographic Computing System JANA2006: General features. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, 345-352.	0.4	3,399
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274	Characterization of Schiff bases derived from 3,4-dimethoxybenzaldehyde: The crystal structure of N,N'-bis(3,4-dimethoxy-benzylidene)-2,2-dimethylpropane-1,3-diamine hydrate. <i>Journal of Structural Chemistry</i> , 2013, 54, 774-778.	0.3	1
275	meso-4,4'-Dimethoxy-2,2'-[[[(3aR,7aS)-2,3,3a,4,5,6,7,7a-octahydro-1H-benzimidazole-1,3-diyl]bis(methylene)]diphenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1057-o1058.	0.2	0
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278	Zinc(II) and mercury(II) complexes [Zn((2,6-Cl-ba) ₂ en) ₂] and [Hg((2,6-Cl-ba) ₂ en)Br ₂] with the bidentate Schiff base ligand (2,6-Cl-ba) ₂ en: Synthesis, characterization and crystal structures. <i>Polyhedron</i> , 2013, 49, 19-23.	1.0	17
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281	The crystal structure of magnesiozippeite, Mg[(UO ₂) ₂ (SO ₄)](H ₂ O) _{3.5} , from East Saddle Mine, San Juan County, Utah (U.S.A.). <i>Mineralogy and Petrology</i> , 2013, 107, 211-219.	0.4	13
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291	$[N(CH_3)_3]P(O)(OC_6H_5)_2$ and $[N(CH_3)_3]P(O)(OC_6H_5)(OC_4H_9)$ mixed-amide phosphinates. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013.		
292	Low-dimensional compounds containing cyanide groups. XXVI. (Dicyanamido- ¹⁹ N1)bis(5,5-dimethyl-2,2'-bipyridine- ¹⁹ N ₂ ,N ₂)copper(II) complexes with tetrafluoroborate and perchlorate anions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1357-1361.	0.4	0
293	Multiple anion... interactions in tris(1,10-phenanthroline- ⁹ - ²)iron(II) bis[1,1,3,3-tetracyano-2-(2-hydroxyethyl)propenide] monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1351-1356.	0.4	22
294	Synthesis, X-ray crystallography, spectroscopy, electrochemistry, thermal and kinetic study of uranyl Schiff base complexes. <i>Journal of Coordination Chemistry</i> , 2013, 66, 3629-3646.	0.8	6
295	2,2'-[[4-Methyl-2-phenylimidazolidine-1,3-diyl]bis(methylene)]diphenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1198-o1198.	0.2	1
296	Acetyltriphenylphosphonium nitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o303-o303.	0.2	3
297	2,2'-[[2-(2-Chlorophenyl)-4-methylimidazolidine-1,3-diyl]bis(methylene)]diphenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1221-o1222.	0.2	1
298	2,2'-[[2-(2-Hydroxyphenyl)-4-methylimidazolidine-1,3-diyl]bis(methylene)]diphenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1295-o1296.	0.2	0
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301	6H,13H-5,12:7,14-Dimethanodinaphtho[2,3-d:2,3-i][1,3,6,8]tetraazecine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1061-o1061.	0.2	0
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303	2,2'-[[imidazolidine-1,3-diyl]bis(methylene)]diphenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o170-o171.	0.2	8
304	$[1/4-N, N$ -Bis(2-aminoethyl)ethane-1,2-diamine- ¹⁹ 4N ₁ ,N ₁ ·N ₂ ,N ₂] ₂ bis{[N, N-bis(2-aminoethyl)ethane-1,2-diamine- ¹⁹ 4N, N]·N} tetrakis(perchlorate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m1153-m1154.	0.2	0
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306	5,11,17,23,29,35-Hexa-tert-butyl-37,38,39,40,41,42-hexakis(ethoxycarbonylmethoxy)calix[6]arene acetonitrile disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1418-o1419.	0.2	0

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346	Phosphoramidates: Synthesis, spectroscopy, and Xâ€™Ray crystallography. <i>Heteroatom Chemistry</i> , 2012, 23, 478-485.	0.4	5
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363	Crystal structure of N,N'-Bis-(2,5-dimethoxybenzylidene)-1,3-diaminopropane. <i>Journal of Structural Chemistry</i> , 2011, 52, 1131-1133.	0.3	2
364	New complex of mercury(II) with Schiff base derived from A-methylcinnamaldehyde and ethylenediamine. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011, 37, 743-747.	0.3	5
365	The crystal structure of franckeite, Pb ₂₁ 7Sn ₉ 3Fe ₄ 0Sb ₈ 1S ₅₆ 9. <i>American Mineralogist</i> , 2011, 96, 1686-1702.	0.9	23
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380	The triclinic form of dipotassium cobalt(II) bis(dihydrogendiphosphate) dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, i37-i38.	0.2	3
381	4,4â€²-Dimethoxy-2,2â€²-[[3aRS,7aRS)-2,3,3a,4,5,6,7,7a-octahydro-1H-1,3-benzimidazole-1,3-diyl]bis(methylene)diphenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2298-o2299.	0.2	1
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383	Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2923-o2923.	0.2	0
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385	4,4â€²-Dibromo-2,2â€²-[[3aS,7aS)-2,3,3a,4,5,6,7,7a-octahydro-1H-1,3-benzimidazole-1,3-diyl]bis(methylidene)diphenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o753-o753.	0.2	4
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392	Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2131-o2131.	0.2	0
393	Di-n-butyl 4,4â€²-dihydroxy-3,3â€²-[[3aRS,7aRS)-2,3,3a,4,5,6,7,7a-octahydro-1H-1,3-benzimidazole-1,3-diyl]bis(methylene)dibenzoate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2297-o2297.	0.2	0
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398	1,1'-bis-[[[(2,3,3 <i>a</i> ,4,5,6,7,7 <i>a</i> -Octahydro-1 <i>H</i> -1,3-benzimidazole-1,3-diyl)bis(methylene)]bis(1 <i>H</i> -benzotriazole)]. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3071-o3071.	0.2	1
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402	(<i>E</i>)-2-Cyano-3-(2,3-dimethoxyphenyl)acrylic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3508-o3509.	0.2	2
403	Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2256-o2256.	0.2	1
404	Di- <i>n</i> -propyl 4,4'-dihydroxy-3,3'-bis-[[[(3 <i>a</i> RS,7 <i>a</i> RS)-2,3,3 <i>a</i> ,4,5,6,7,7 <i>a</i> -octahydro-1 <i>H</i> -benzimidazole-1,3-diyl]bis(methylene)]dibenzoate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2627-o2628.		2
405	Dimethyl 4,4'-dihydroxy-3,3'-bis-[[[(3 <i>a</i> RS,7 <i>a</i> RS)-2,3,3 <i>a</i> ,4,5,6,7,7 <i>a</i> -octahydro-1 <i>H</i> -1,3-benzimidazole-1,3-diyl]bis(methylene)]dibenzoate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2911-o2912.		
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