

Alina BieÅ,,ko

List of Publications by Year in descending order

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1254
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#	ARTICLE	IF	CITATIONS
1	Doubly chloro bridged dimeric copper(Cu^{II}) complex: magneto-structural correlation and anticancer activity. Dalton Transactions, 2015, 44, 8876-8888.	3.3	45
2	Synthesis, Crystal Structure, Spectroscopic, Magnetic, Theoretical, and Microbiological Studies of a Nickel(II) Complex of L^{I} -Tyrosine and Imidazole, $[\text{Ni}(\text{Im})_2(\text{L}^{\text{I}}\text{-tyr})_2]\cdot 4\text{H}_2\text{O}$. Inorganic Chemistry, 2011, 50, 11532-11542.	4.0	44
3	Slow Magnetic Relaxation in Cobalt(II) Field-Induced Single-Ion Magnets with Positive Large Anisotropy. Inorganic Chemistry, 2018, 57, 12740-12755.	4.0	41
4	Synthesis of new pyrazole-containing binuclear and mononuclear Cu(II) complexes: crystal structure, EPR, magnetic and spectroscopic properties. Polyhedron, 2004, 23, 1309-1316.	2.2	37
5	A study of the Raman spectra of alkanes in the Fermi-resonance region. Journal of Molecular Structure, 2004, 708, 189-195.	3.6	35
6	Intermetallic Interactions in Face-to-Face Homo- and Heterodinuclear Bismacrocylic Complexes of Copper(II) and Nickel(II). Inorganic Chemistry, 2003, 42, 5513-5522.	4.0	32
7	Synthesis, Crystal Structure and Magnetic Properties of Heterodimetallic $\text{Re}^{\text{IV}}\text{Cu}^{\text{II}}$ Complexes. European Journal of Inorganic Chemistry, 2005, 2005, 1787-1793.	2.0	30
8	Physical and Structural Characterization of Imidazolium-Based Organic-Inorganic Hybrid: $(\text{C}_3\text{N}_2\text{H}_5)_2[\text{CoCl}_4]$. Journal of Physical Chemistry A, 2016, 120, 2014-2021.	2.5	29
9	Multifunctional materials based on the double-perovskite organic-inorganic hybrid $(\text{CH}_3\text{NH}_3)_2[\text{KCr}(\text{CN})_6]$ showing switchable dielectric, magnetic, and semiconducting behaviour. Dalton Transactions, 2019, 48, 16650-16660.	3.3	29
10	The effect of the sol-gel autocombustion synthesis conditions on the Mn-Zn ferrite magnetic properties. Journal of Alloys and Compounds, 2014, 604, 1-7.	5.5	25
11	Polymeric Zn(II) and Cu(II) complexes with exobidentate bridging l-tyrosine: Synthesis, structural and spectroscopic properties. Polyhedron, 2009, 28, 1481-1489.	2.2	24
12	Slow magnetic relaxation in hexacoordinated cobalt(Co^{II}) field-induced single-ion magnets. Inorganic Chemistry Frontiers, 2020, 7, 2637-2650.	6.0	24
13	Thiocyanate copper complexes with pyrazole-derived ligands - synthesis, crystal structures, DFT calculations and magnetic properties. CrystEngComm, 2016, 18, 9042-9055.	2.6	20
14	Dielectric-Optical Switches: Photoluminescent, EPR, and Magnetic Studies on Organic-Inorganic Hybrid (azetidinium) $_2\text{MnBr}_4$. Inorganic Chemistry, 2022, 61, 5626-5636.	4.0	20
15	Anticancer potency of novel organometallic Ir^{III} complexes with phosphine derivatives of fluoroquinolones encapsulated in polymeric micelles. Inorganic Chemistry Frontiers, 2020, 7, 3386-3401.	6.0	19
16	Ferromagnetic Properties of a Trinuclear Nickel(II) Complex with a Trithiocyanurate Bridge. European Journal of Inorganic Chemistry, 2009, 2009, 5475-5482.	2.0	18
17	Syntheses, crystallographic characterization, catecholase activity and magnetic properties of three novel aqua bridged dinuclear nickel(II) complexes. Inorganica Chimica Acta, 2014, 416, 122-134.	2.4	18
18	Synthesis and magneto-structural studies on a new family of carbonato bridged $3d^6-4f$ complexes featuring a $[\text{Co}(\text{CO})_3]\text{Ln}(\text{CO})_3$ ($\text{Ln} = \text{La}, \text{Gd}, \text{Tb}, \text{Dy}$ and Ho) core: slow magnetic relaxation displayed by the cobalt(Co^{II})-dysprosium(Dy^{III}) analogue. Dalton Transactions, 2018, 47, 3425-3439.	3.3	18

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19	Folic acid-mediated re-shuttling of ferritin receptor specificity towards a selective delivery of highly cytotoxic nickel(II) coordination compounds. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1099-1111.	7.5	18
20	Nanohydroxyapatite (nHAp) Doped with Iron Oxide Nanoparticles (IO), miR-21 and miR-124 Under Magnetic Field Conditions Modulates Osteoblast Viability, Reduces Inflammation and Inhibits the Growth of Osteoclast – A Novel Concept for Osteoporosis Treatment: Part 1. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3429-3456.	6.7	18
21	Trinuclear thiocyanate-bridged compounds of the type $[ML]_2[Mn(NCS)_4](ClO_4)_2$ (where M = Cu(II), Tj ETQq1 1 0.784314 rgBT /Over 2007, , 2681-2688.	3.3	17
22	Rhenium(IV)-copper(II) heterobimetallic complexes: Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , 2008, 27, 2464-2470.	2.2	16
23	Structure and magnetic properties of a trinuclear nickel(II) complex with benzenetricarboxylate bridge. <i>Inorganica Chimica Acta</i> , 2008, 361, 3723-3729.	2.4	16
24	Anisotropy and magnetic properties of the bimetallic thiocyanate-bridged chains: Density-matrix renormalization approach. <i>Polyhedron</i> , 2010, 29, 1485-1491.	2.2	16
25	Synthesis, crystal structure, magnetic properties and EPR studies of Cu/Hg bimetallic thiocyanato-bridged coordination polymer. <i>Inorganica Chimica Acta</i> , 2009, 362, 1369-1373.	2.4	15
26	ROS-mediated lipid peroxidation as a result of Cu(II) interaction with FomA protein fragments of <i>Escherichia coli</i> : relevance to colorectal carcinogenesis. <i>Metallomics</i> , 2019, 11, 2066-2077.	2.4	15
27	Anisotropy, Geometric Structure and Frustration Effects in Molecule-Based Nanomagnets. <i>Acta Physica Polonica A</i> , 2012, 121, 992-998.	0.5	15
28	Magnetism and crystal structures of CuIIMnII and CuIINiII ordered bimetallic chains. <i>Polyhedron</i> , 2007, 26, 5030-5038.	2.2	14
29	Synthesis and magnetic characteristic of new tetrabromo- and tetrachloroferrates(III) with 2-methylquinolinium cation: X-ray crystal structure of bis(2-methylquinolinium) bromide tetrabromoferrate(III). <i>Inorganica Chimica Acta</i> , 2006, 359, 1582-1588.	2.4	13
30	Magneto-structural analysis of metal-oxalato coordination complexes based on NH_4^+O and OH^-O supramolecular synthon. <i>Polyhedron</i> , 2016, 111, 53-63.	2.2	12
31	Dinuclear Copper(II) Complexes with Schiff Bases Derived from 2-Hydroxy-5-Methylisophthalaldehyde and Histamine or 2-(2-Aminoethyl)pyridine and Their Application as Magnetic and Fluorescent Materials in Thin Film Deposition. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4587.	4.1	12
32	Magnetic properties and molecular structure of a binuclear alternative bridged Cu(II)Re(IV) complex containing a macrocyclic ligand. <i>Polyhedron</i> , 2014, 75, 1-8.	2.2	11
33	A blue luminescent binuclear cadmium-oxalato coordination polymer: synthesis, crystal structure, and thermogravimetric analysis. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3959-3970.	2.2	11
34	Magnetic properties and DMRG modeling of the 1D bimetallic thiocyanate bridged compound $\{(CuL1)[Co(NCS)_4]\}$ (L1=N-rac-5,12-Me2-[14]-4,11-dieneN4). <i>Polyhedron</i> , 2009, 28, 1838-1841.	2.2	10
35	Interchain relay of antiferromagnetic ordering in 1D Co(II) coordination polymers via $\pi-\pi$ interactions. <i>CrystEngComm</i> , 2014, 16, 8523.	2.6	10
36	Iron(III) bis(pyrazol-1-yl)acetate based decanuclear metallacycles: synthesis, structure, magnetic properties and DFT calculations. <i>Dalton Transactions</i> , 2016, 45, 15089-15096.	3.3	10

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37	Structural and spectroscopic parameters of distortion in [Cu(bpy) ₂ (O ₂ SO ₂)]·CH ₃ OH and [Cu(bpy) ₃][SO ₄]·7.5H ₂ O – Synthesis, crystal structure, spectroscopic and magnetic properties. <i>Polyhedron</i> , 2011, 30, 1547-1554.	2.2	9
38	Synthesis, crystal structure and magnetic properties of trithiocyanurate or thiodiacetate polynuclear Ni(II) and Co(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 416, 147-156.	2.4	9
39	Synthesis, crystal structure, luminescent and magnetic properties of europium(III) and terbium(III) complexes with a bidentate benzoate and a tripod N ₇ ligand containing three imidazole, [Ln(III)(H ₃ L)benzoate](ClO ₄) ₂ ·H ₂ O·2MeOH (Ln(III)=Eu(III) and Tb(III)). <i>Polyhedron</i> , 2015, 34, 28-34.	2.2	9
40	Unusual slow magnetic relaxation in a mononuclear copper(II) complex. <i>Dalton Transactions</i> , 2022, 51, 5612-5616.	3.3	9
41	Ferrimagnetic chain compounds [Cu ₂ ReCl ₆ ·H ₂ O] and [Cu ₂ ReBr ₆] (where T _J = 0.784314 K, J _{BT} = 10 K, T _f = 50 K, T _d = 587 K, L = 5.35). <i>Molecular Structure</i> , 2002, 613, 115-119.	3.6	8
42	New manganese(II) complexes with tetraorganodichalcogenoimidodiphosphinato ligands. Crystal and molecular structure of monomeric Mn[(SPMe ₂)(SPPH ₂)N] ₂ and dimeric [Mn{(OPPh ₂){OP(OEt) ₂ }N] ₂ (H ₂ O)] ₂ . <i>Polyhedron</i> , 2008, 27, 2905-2910.	2.2	8
43	Family of Mn(II)Ln(III) (Ln(III)= Sm(III), Gd(III), Dy(III)) coordination clusters: Experimental and theoretical investigations. <i>Polyhedron</i> , 2016, 35, 202-215.	2.2	8
44	Characterization of a Mixed-Valence Ru(II)/Ru(III) Ion-Pair Complex. Unexpected High-Frequency Electron Paramagnetic Resonance Evidence for Ru(III)–Ru(III) Dimer Coupling. <i>Inorganic Chemistry</i> , 2020, 59, 8609-8619.	4.0	8
45	H-bonded supramolecular synthon induced magnetic superexchange phenomenon results weak ferromagnetic and strong antiferromagnetic interactions in two new copper-oxalate coordination network. <i>Polyhedron</i> , 2018, 37, 247-261.	2.2	7
46	Stability of Cu(II) complexes with FomA protein fragments containing two His residues in the peptide chain. <i>Metallomics</i> , 2019, 11, 1518-1531.	2.4	7
47	A Cu/Zn heterometallic complex with solvent-binding cavity, catalytic activity for the oxidation of 1-phenylethanol and unusual magnetic properties. <i>Dalton Transactions</i> , 2019, 48, 17780-17791.	3.3	7
48	Cu(II) complexes with peptides from FomA protein containing -His-Xaa-Yaa-Zaa-His and -His-His-motifs. ROS generation and DNA degradation. <i>Journal of Inorganic Biochemistry</i> , 2020, 212, 111250.	3.5	7
49	Generalized Heisenberg-Type Magnetic Phenomena in Coordination Polymers with Nickel–Lanthanide Dinuclear Units. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11182-11196.	3.1	7
50	Non-traditional thermal behavior of Co(II) coordination networks showing slow magnetic relaxation. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4356-4366.	6.0	7
51	Symmetry-breaking phase transitions, dielectric and magnetic properties of pyrrolidinium-tetrahalidocobaltates. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2353-2364.	6.0	7
52	A heterobimetallic cyanide-bridged Cu ₂ Fe ₃ Cu ₂ trimer. Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , 2010, 29, 2546-2552.	2.2	6
53	Synthesis and structural, magnetic, thermal and electronic properties of Mn-doped ZnCr ₂ Se ₄ . <i>Materials Chemistry and Physics</i> , 2019, 238, 121901.	4.0	6
54	The Bright and Dark Sides of Reactive Oxygen Species Generated by Copper–Peptide Complexes. <i>Separations</i> , 2022, 9, 73.	2.4	6

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55	X-ray structure and magnetic and fluorescence characteristics of new Cu(II) complexes with Schiff bases derived from 2-(2-aminoethyl)pyridine and 2-hydroxy-1-naphthaldehyde; morphology and fluorescence of their thin films. Dalton Transactions, 2018, 47, 13902-13912.	3.3	5
56	Synthesis and structural characterization of antimicrobial binuclear copper(II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid. Journal of Inorganic Biochemistry, 2019, 191, 8-20.	3.5	5
57	A novel μ -vanillin Fe(III) complex catalytically active in C-H oxidation: exploring the magnetic exchange interactions and spectroscopic properties with different DFT functionals. Dalton Transactions, 2021, 50, 14782-14796.	3.3	5
58	Ferro- vs. antiferromagnetic exchange between two Ni(II) ions in a series of Schiff base heterometallic complexes: what makes the difference?. Dalton Transactions, 2021, 50, 2841-2853.	3.3	5
59	Two out of Three Musketeers Fight against Cancer: Synthesis, Physicochemical, and Biological Properties of Phosphino Cu(I), Ru(II), Ir(III) Complexes. Pharmaceuticals, 2022, 15, 169.	3.8	5
60	Synthesis, crystal structure and magnetic properties of a 1D mixed-metal μ -mixed-ligand Ni(II)/Fe(II) coordination polymer built on the nitroprusside anion. Inorganica Chimica Acta, 2007, 360, 2846-2850.	2.4	4
61	Synthesis, crystal structure and magnetic properties of new molecular, macrocyclic building blocks of Ni(II) and Cu(II). Journal of Molecular Structure, 2012, 1019, 135-142.	3.6	4
62	Syntheses, structures and magnetic behaviors of 1D and 3D μ -1,5-dicyanamide bridged copper(II) coordination polymers containing a symmetrical 1,2-diamine as a chelator. Polyhedron, 2020, 188, 114693.	2.2	4
63	Vanadium(IV) Complexes with Methyl-Substituted 8-Hydroxyquinolines: Catalytic Potential in the Oxidation of Hydrocarbons and Alcohols with Peroxides and Biological Activity. Molecules, 2021, 26, 6364.	3.8	4
64	Aminopropyltriethoxysilane (APTES)-Modified Nanohydroxyapatite (nHAp) Incorporated with Iron Oxide (IO) Nanoparticles Promotes Early Osteogenesis, Reduces Inflammation and Inhibits Osteoclast Activity. Materials, 2022, 15, 2095.	2.9	4
65	Heterometallic Group 4 μ -Lanthanide Oxo-alkoxide Precursors for Synthesis of Binary Oxide Nanomaterials. Inorganic Chemistry, 2020, 59, 16545-16556.	4.0	3
66	A new molecular building blocks: Synthesis, crystal structure, magnetic and spectroscopic properties of Cu(II) and Ni(II) macrocyclic complexes. Polyhedron, 2011, 30, 2550-2557.	2.2	2
67	The effects of protonated heterocyclic cations on the structural and magnetic properties of tetrachlorocuprate(II) anions; X-ray, magnetochemical and EPR studies. New Journal of Chemistry, 2018, 42, 15705-15713.	2.8	2
68	Investigation of vanadium(III) and vanadium(IV) compounds supported by the linear diaminebis(phenolate) ligands: correlation between structures and magnetic properties. Dalton Transactions, 2021, 50, 5184-5196.	3.3	2
69	DMRG Approach to a Molecular-Based Bimetallic Chain Containing Re(IV) and Cu(II) Ions. Acta Physica Polonica A, 2010, 118, 975-977.	0.5	1
70	A strategy for new macrocycle magnetic materials synthesis. Chemical Papers, 2009, 63, .	2.2	0
71	Hybrid compound based on diethylenetriamincopper(II) cations and scarce V-monosubstituted μ -octamolybdate as water oxidation catalyst. RSC Advances, 2021, 11, 32119-32125.	3.6	0