

Alina BieÅ,,ko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Two out of Three Musketeers Fight against Cancer: Synthesis, Physicochemical, and Biological Properties of Phosphino CuI, RuII, IrIII Complexes. <i>Pharmaceuticals</i> , 2022, 15, 169.	3.8	5
2	Unusual slow magnetic relaxation in a mononuclear copper(II) complex. <i>Dalton Transactions</i> , 2022, 51, 5612-5616.	3.3	9
3	Symmetry-breaking phase transitions, dielectric and magnetic properties of pyrrolidinium-tetrahalidocobaltates. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2353-2364.	6.0	7
4	The Bright and Dark Sides of Reactive Oxygen Species Generated by Copper(II)-Peptide Complexes. <i>Separations</i> , 2022, 9, 73.	2.4	6
5	Dielectric-Optical Switches: Photoluminescent, EPR, and Magnetic Studies on Organic-Inorganic Hybrid (azetidinium) ₂ MnBr ₄ . <i>Inorganic Chemistry</i> , 2022, 61, 5626-5636.	4.0	20
6	Aminopropyltriethoxysilane (APTES)-Modified Nanohydroxyapatite (nHAp) Incorporated with Iron Oxide (IO) Nanoparticles Promotes Early Osteogenesis, Reduces Inflammation and Inhibits Osteoclast Activity. <i>Materials</i> , 2022, 15, 2095.	2.9	4
7	Investigation of vanadium(III) and vanadium(IV) compounds supported by the linear diaminebis(phenolate) ligands: correlation between structures and magnetic properties. <i>Dalton Transactions</i> , 2021, 50, 5184-5196.	3.3	2
8	A novel vanillin-Fe(III) complex catalytically active in C-H oxidation: exploring the magnetic exchange interactions and spectroscopic properties with different DFT functionals. <i>Dalton Transactions</i> , 2021, 50, 14782-14796.	3.3	5
9	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
10	Generalized Heisenberg-Type Magnetic Phenomena in Coordination Polymers with Nickel(II)-Lanthanide Dinuclear Units. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11182-11196.	3.1	7
11	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
12	Ferro- vs. antiferromagnetic exchange between two Ni(II) ions in a series of Schiff base heterometallic complexes: what makes the difference?. <i>Dalton Transactions</i> , 2021, 50, 2841-2853.	3.3	5
13	Hybrid compound based on diethylenetriamincopper(II) cations and scarce V-monosubstituted [2]-octamolybdate as water oxidation catalyst. <i>RSC Advances</i> , 2021, 11, 32119-32125.	3.6	0
14	Vanadium(IV) Complexes with Methyl-Substituted 8-Hydroxyquinolines: Catalytic Potential in the Oxidation of Hydrocarbons and Alcohols with Peroxides and Biological Activity. <i>Molecules</i> , 2021, 26, 6364.	3.8	4
15	Anticancer potency of novel organometallic Ir(III) complexes with phosphine derivatives of fluoroquinolones encapsulated in polymeric micelles. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3386-3401.	6.0	19
16	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
17	Heterometallic Group 4-Lanthanide Oxo-alkoxide Precursors for Synthesis of Binary Oxide Nanomaterials. <i>Inorganic Chemistry</i> , 2020, 59, 16545-16556.	4.0	3
18	Slow magnetic relaxation in hexacoordinated cobalt(II) field-induced single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2637-2650.	6.0	24

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19	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
20	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. <i>Polyhedron</i> , 2020, 188, 114693.	2.2	4
21	Characterization of a Mixed-Valence Ru(II)/Ru(III) Ion-Pair Complex. Unexpected High-Frequency Electron Paramagnetic Resonance Evidence for Ru(III) \leftrightarrow Ru(III) Dimer Coupling. <i>Inorganic Chemistry</i> , 2020, 59, 8609-8619.	4.0	8
22	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
23	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
24	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
25	Multifunctional materials based on the double-perovskite organic-inorganic hybrid (CH ₃ NH ₂) ₂ [KCr(CN) ₆] showing switchable dielectric, magnetic, and semiconducting behaviour. <i>Dalton Transactions</i> , 2019, 48, 16650-16660.	3.3	29
26	ROS-mediated lipid peroxidation as a result of Cu(II) interaction with FomA protein fragments of <i>E. coli</i> : relevance to colorectal carcinogenesis. <i>Metallomics</i> , 2019, 11, 2066-2077.	2.4	15
27	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
28	Synthesis and structural characterization of antimicrobial binuclear copper(II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid. <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 8-20.	3.5	5
29	Synthesis and magneto-structural studies on a new family of carbonato bridged 3d-4f complexes featuring a [CoLn ₃ (CO) ₃] (Ln = La, Gd, Tb, Dy and Ho) core: slow magnetic relaxation displayed by the cobalt-dysprosium analogue. <i>Dalton Transactions</i> , 2018, 47, 3425-3439.	3.3	18
30	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, 141, 247-261.	2.2	7
31	Slow Magnetic Relaxation in Cobalt(II) Field-Induced Single-Ion Magnets with Positive Large Anisotropy. <i>Inorganic Chemistry</i> , 2018, 57, 12740-12755.	4.0	41
32	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. <i>Dalton Transactions</i> , 2018, 47, 13902-13912.	3.3	5
33	The effects of protonated heterocyclic cations on the structural and magnetic properties of tetrachlorocuprate(II) anions; X-ray, magnetochemical and EPR studies. <i>New Journal of Chemistry</i> , 2018, 42, 15705-15713.	2.8	2
34	A blue luminescent binuclear cadmium-oxalate coordination polymer: synthesis, crystal structure, and thermogravimetric analysis. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3959-3970.	2.2	11
35	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
36	Family of Mn ₄ Ln ₂ (Ln = Sm, Gd, Dy) coordination clusters: Experimental and theoretical investigations. <i>Polyhedron</i> , 2016, 119, 202-215.	2.2	8

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37	Thiocyanate copper complexes with pyrazole-derived ligands – synthesis, crystal structures, DFT calculations and magnetic properties. <i>CrystEngComm</i> , 2016, 18, 9042-9055.	2.6	20
38	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
39	Physical and Structural Characterization of Imidazolium-Based Organic-Inorganic Hybrid: $(\text{C}_3\text{N}_2\text{H}_5)_2[\text{CoCl}_4]$. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2014-2021.	2.5	29
40	Doubly chloro bridged dimeric copper(II) complex: magneto-structural correlation and anticancer activity. <i>Dalton Transactions</i> , 2015, 44, 8876-8888.	3.3	45
41	Synthesis, crystal structure, luminescent and magnetic properties of europium(III) and terbium(III) complexes with a bidentate benzoate and a tripod N7 ligand containing three imidazole, $[\text{Ln}(\text{H}_3\text{L})\text{benzoate}](\text{ClO}_4)_2 \cdot \text{H}_2\text{O} \cdot 2\text{MeOH}$ ($\text{Ln}(\text{III}) = \text{Eu}(\text{III})$ and $\text{Tb}(\text{III})$). <i>Polyhedron</i> , 2015, 91, 28-34.	2.2	9
42	Syntheses, crystallographic characterization, catecholase activity and magnetic properties of three novel aqua bridged dinuclear nickel(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 416, 122-134.	2.4	18
43	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
44	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
45	Interchain relay of antiferromagnetic ordering in 1D Co(II) coordination polymers via π - π interactions. <i>CrystEngComm</i> , 2014, 16, 8523.	2.6	10
46	The effect of the sol-gel autocombustion synthesis conditions on the Mn-Zn ferrite magnetic properties. <i>Journal of Alloys and Compounds</i> , 2014, 604, 1-7.	5.5	25
47	Synthesis, crystal structure and magnetic properties of new molecular, macrocyclic building blocks of Ni(II) and Cu(II). <i>Journal of Molecular Structure</i> , 2012, 1019, 135-142.	3.6	4
48	Anisotropy, Geometric Structure and Frustration Effects in Molecule-Based Nanomagnets. <i>Acta Physica Polonica A</i> , 2012, 121, 992-998.	0.5	15
49	Synthesis, Crystal Structure, Spectroscopic, Magnetic, Theoretical, and Microbiological Studies of a Nickel(II) Complex of L -Tyrosine and Imidazole, $[\text{Ni}(\text{Im})_2(\text{L-tyr})_2] \cdot 4\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2011, 50, 11532-11542.	4.0	44
50	A new molecular building blocks: Synthesis, crystal structure, magnetic and spectroscopic properties of Cu(II) and Ni(II) macrocyclic complexes. <i>Polyhedron</i> , 2011, 30, 2550-2557.	2.2	2
51	Structural and spectroscopic parameters of distortion in $[\text{Cu}(\text{bpy})_2(\text{O}_2\text{SO}_2)] \cdot \text{CH}_3\text{OH}$ and $[\text{Cu}(\text{bpy})_3][\text{SO}_4] \cdot 7.5\text{H}_2\text{O}$ – Synthesis, crystal structure, spectroscopic and magnetic properties. <i>Polyhedron</i> , 2011, 30, 1547-1554.	2.2	9
52	Anisotropy and magnetic properties of the bimetallic thiocyanate-bridged chains: Density-matrix renormalization approach. <i>Polyhedron</i> , 2010, 29, 1485-1491.	2.2	16
53	A heterobimetallic cyanide-bridged CuIIFeIII CuI trimer. Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , 2010, 29, 2546-2552.	2.2	6
54	DMRG Approach to a Molecular-Based Bimetallic Chain Containing Re(IV) and Cu(II) Ions. <i>Acta Physica Polonica A</i> , 2010, 118, 975-977.	0.5	1

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55	Ferromagnetic Properties of a Trinuclear Nickel(II) Complex with a Trithiocyanurate Bridge. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5475-5482.	2.0	18
56	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
57	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
58	Polymeric Zn(II) and Cu(II) complexes with exobidentate bridging l-tyrosine: Synthesis, structural and spectroscopic properties. <i>Polyhedron</i> , 2009, 28, 1481-1489.	2.2	24
59	A strategy for new macrocycle magnetic materials synthesis. <i>Chemical Papers</i> , 2009, 63, .	2.2	0
60	Rhenium(IV)â€“copper(II) heterobimetallic complexes: Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , 2008, 27, 2464-2470.	2.2	16
61	New manganese(II) complexes with tetraorganodichalcogenoimidodiphosphinato ligands. Crystal and molecular structure of monomeric $Mn[(SPMe2)(SPPH2)N]2$ and dimeric $[Mn\{(OPPh2)\{OP(OEt)2\}N\}2(H2O)]2$. <i>Polyhedron</i> , 2008, 27, 2905-2910.	2.2	8
62	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
63	Trinuclear thiocyanate-bridged compounds of the type $[ML]2[Mn(NCS)4](ClO4)2$ (where M = Cu(ii),) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 2007, , 2681-2688.	3.3	17
64	Synthesis, crystal structure and magnetic properties of a 1D mixed-metalâ€“mixed-ligand Ni(II)/Fe(II) coordination polymer built on the nitroprusside anion. <i>Inorganica Chimica Acta</i> , 2007, 360, 2846-2850.	2.4	4
65	Magnetism and crystal structures of $CuIIMnII$ and $CuIINiII$ ordered bimetallic chains. <i>Polyhedron</i> , 2007, 26, 5030-5038.	2.2	14
66	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
67	Synthesis, Crystal Structure and Magnetic Properties of Heterodimetallic $ReIVCuII$ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1787-1793.	2.0	30
68	A study of the Raman spectra of alkanes in the Fermi-resonance region. <i>Journal of Molecular Structure</i> , 2004, 708, 189-195.	3.6	35
69	Synthesis of new pyrazole-containing binuclear and mononuclear Cu(II) complexes: crystal structure, EPR, magnetic and spectroscopic properties. <i>Polyhedron</i> , 2004, 23, 1309-1316.	2.2	37
70	Intermetallic Interactions in Face-to-Face Homo- and Heterodinuclear Bismacrocylic Complexes of Copper(II) and Nickel(II). <i>Inorganic Chemistry</i> , 2003, 42, 5513-5522.	4.0	32
71	Ferrimagnetic chain compounds $[CuL]ReCl6\cdot H2O$ and $[CuL]ReBr6$ (where) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (L=5,</i> <i>Molecular Structure</i> , 2002, 613, 115-119.	3.6	8