

# Valeriya G Makhankova

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A unique heteropentanuclear $\text{CuII}_2\text{CoII}_2\text{CoIII}_2$ complex, synthesised from metallic Cu and Co acetate in the presence of triethanolamine. Magnetic properties and a strong H-bond stabilised lattice. <i>New Journal of Chemistry</i> , 2001, 25, 685-689.	2.8	57
2	Assembling Novel Heterotrimetallic Cu/Co/Ni and Cu/Co/Cd Cores Supported by Diethanolamine Ligand in One-Pot Reactions of Zerovalent Copper with Metal Salts. <i>Inorganic Chemistry</i> , 2004, 43, 7868-7876.	4.0	49
3	Novel polynuclear $\text{CuII}/\text{CoII}$ complexes constructed from one and two $\text{Cu}_2\text{Co}$ triangles with antiferromagnetic exchange coupling. <i>Dalton Transactions RSC</i> , 2002, , 4253-4259.	2.3	37
4	Formation, Structures, and Magnetic and EPR Spectroscopic Properties of Dicobalt(III)-Dicopper(II) Complexes Featuring Heterotetranuclear Cations of a Puckered Cyclic Structure with Diethanolamine and Diethanolamine(2 $\hat{a}$ ) as Bridging Ligands. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2163-2169.	2.0	37
5	Direct Synthesis, Crystal Structures, High-Field EPR, and Magnetic Studies of Heterometallic Polymers Containing Manganese(II) Carboxylates Interconnected by $[\text{Cu}(\text{en})_2]^{2+}$ . <i>Inorganic Chemistry</i> , 2008, 47, 4554-4563.	4.0	31
6	Direct synthesis and crystal structures of new heteropolynuclear complexes containing aminoalcohol ligands: From heterobi- (Co/Zn) to heterotrimetallic (Cu/Co/Zn) compounds. <i>Inorganica Chimica Acta</i> , 2005, 358, 4519-4526.	2.4	23
7	Stereospecific $\text{sp}^3$ C-H oxidation with m-CPBA: A $\text{CoIII}$ Schiff base complex as pre-catalyst vs. its $\text{CoIIICdII}$ heterometallic derivative. <i>Applied Catalysis A: General</i> , 2018, 560, 171-184.	4.3	23
8	Decavanadates decorated with $[\text{Cu}(\text{en})_2]^{2+}$ : Convenient synthetic route, crystal structures and analysis of vibrational spectra. <i>Polyhedron</i> , 2014, 81, 597-606.	2.2	20
9	Homogeneous Cobalt/Vanadium Complexes as Precursors for Functionalized Mixed Oxides in Visible-Light-Driven Water Oxidation. <i>ChemSusChem</i> , 2016, 9, 2957-2966.	6.8	16
10	Heterometallic M/Mn (M=Cu, Co, Zn) acetate complexes as precursors for binary oxides. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2695-2702.	2.9	14
11	Structural, magnetic, thermal and visible light-driven water oxidation studies of heterometallic Mn/V complexes. <i>Polyhedron</i> , 2015, 88, 81-89.	2.2	14
12	as a source of manganese in the direct synthesis of heterobimetallic Cu/Mn complexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 1307-1314.	2.4	13
13	Copper-containing hybrid compounds based on extremely rare $[\text{V}_2\text{Mo}_6\text{O}_{26}]^{6-}$ POM as water oxidation catalysts. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1813-1823.	6.0	13
14	Diversity of Polyoxometalate-Based Copper Compounds Obtained from the Same Reaction System. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5456-5466.	2.0	12
15	Novel heterobimetallic Cu/Mn coordination polymers prepared by "direct permanganate"-synthesis. <i>Inorganic Chemistry Communication</i> , 2007, 10, 1325-1329.	3.9	11
16	Direct synthesis of Co/Mn complex with Co-semisepulchrate entity. <i>Inorganic Chemistry Communication</i> , 2009, 12, 473-475.	3.9	10
17	Surface characterization of $\text{ZnO}/\text{ZnMn}_2\text{O}_4$ and $\text{Cu}/\text{Mn}_3\text{O}_4$ powders obtained by thermal degradation of heterobimetallic complexes. <i>Journal of Solid State Chemistry</i> , 2012, 187, 291-294.	2.9	9
18	Spectroscopic and Magnetostructural Evidence for the Formation of $[\text{Cu}_{0.5}\text{Co}_{0.5}(\text{H}_2\text{Tea})_X]$ Mixed-Crystal Compounds from Zerovalent Cu and Co Salts in the Presence of Triethanolamine ( $\text{H}_3\text{Tea}$ -Triethanolamine; X = SCN, Cl). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001, 56, 931-936.	0.7	8

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19	Direct synthesis of heterometallic Cu/Mo complexes with aromatic chelating N,N-donating ligands. <i>Inorganica Chimica Acta</i> , 2016, 443, 36-44.	2.4	8
20	Synthesis, Characterization, and Magnetic Properties of a Series of Copper(II) Chloride Complexes of Pyridyliminebenzoic Acids. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1603-1619.	2.0	8
21	Ammonium tris-oxalatoferate(III) as a source of metalloligand in direct synthesis of Cu/Fe coordination polymer. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1509-1511.	3.9	7
22	Hybrid Cu-Containing Compounds Based on Lacunary Strandberg Anions: Synthesis under Mild Conditions, Crystal Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2022, 61, 5701-5714.	4.0	7
23	Ca <sup>2+</sup> -Driven Self-Assembly of POMs into 2D/3D Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3525-3532.	2.0	6
24	Direct Synthesis of Heterometallic Complexes. , 2018, , 183-237.		6
25	Direct synthesis and properties of monomeric and dimeric Mn(III) salen complexes tuned by tetrahalocadmate anions. <i>Inorganic Chemistry Communication</i> , 2012, 20, 282-285.	3.9	5
26	Direct synthesis of linear trinuclear complexes with acetate and NN donor ligands. <i>Journal of Molecular Structure</i> , 2013, 1038, 211-215.	3.6	5
27	Preparation of binary M/Mn (M = Co, Cu, Zn) oxide catalysts by thermal degradation of heterobimetallic complexes. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 563-566.	1.5	2
28	Heterometallic Cu/Co and Cu/Mn oxalate complexes as single-source precursors for spinel-type oxides. <i>Journal of Solid State Chemistry</i> , 2019, 270, 563-568.	2.9	2
29	Facile one-pot synthesis of hybrid compounds based on decavanadate showing water oxidation activity. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108111.	3.9	2
30	Chloridobis(1,10-phenanthroline- $\kappa^2$ N,N')copper(II) chlorido(1,10-phenanthroline- $\kappa^2$ N,N')(pyridine-2,6-dicarboxylato- $\kappa^3$ O2,N,O6)manganate(II) methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m147-m148.	0.2	1
31	Synthesis, crystal structure and spectroscopic characterization of heterometallic Cu/Mo complexes obtained under mild conditions. <i>Journal of Molecular Structure</i> , 2018, 1167, 209-214.	3.6	1
32	Kinetics of Decomposition of Hydrogen Peroxide in the Presence of Mono- and Heteropolynuclear Complexes of Cu <sup>2+</sup> and Co <sup>2+/3+</sup> with Deprotonated Di- and Triethanolamines. <i>Theoretical and Experimental Chemistry</i> , 2018, 53, 402-409.	0.8	0
33	Influence of structural rigidity of Cu(II)/Mo(VI) complexes on the photoconductivity of film polymeric composites. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 671, 78-84.	0.9	0
34	Hybrid compound based on diethylenetriamincopper(II) cations and scarce V-monosubstituted $\kappa^2$ -octamolybdate as water oxidation catalyst. <i>RSC Advances</i> , 2021, 11, 32119-32125.	3.6	0