

Oksana V Nesterova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Homogeneous oxidation of C-H bonds with m-CPBA catalysed by a Co/Fe system: mechanistic insights from the point of view of the oxidant. <i>Catalysis Science and Technology</i> , 2022, 12, 282-299.	4.1	7
2	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
3	Catalytic Oxidations with Meta-Chloroperoxybenzoic Acid (m-CPBA) and Mono- and Polynuclear Complexes of Nickel: A Mechanistic Outlook. <i>Catalysts</i> , 2021, 11, 1148.	3.5	17
4	New members of the polynuclear manganese family: MnII2MnIII2 single-molecule magnets and MnIII3MnIII8 antiferromagnetic complexes. Synthesis and magnetostructural correlations. <i>Dalton Transactions</i> , 2020, 49, 13970-13985.	3.3	6
5	Novel H-Bonded Synthons in Copper Supramolecular Frameworks with Aminoethylpiperazine-Based Ligands. Synthesis, Structure and Catalytic Activity. <i>Materials</i> , 2020, 13, 5435.	2.9	8
6	Phenoxazinone synthase-like catalytic activity of novel mono- and tetranuclear copper(II) complexes with 2-benzylaminoethanol. <i>Dalton Transactions</i> , 2020, 49, 4710-4724.	3.3	22
7	A Comparative Study of the Catalytic Behaviour of Alkoxy-1,3,5-Triazapentadiene Copper(II) Complexes in Cyclohexane Oxidation. <i>Inorganics</i> , 2019, 7, 82.	2.7	8
8	Heterometallic CoII2ZnII Schiff Base Catalyst for Mild Hydroxylation of C(sp3)-H Bonds of Unactivated Alkanes: Evidence for Dual Mechanism Controlled by the Promoter. <i>Catalysts</i> , 2019, 9, 209.	3.5	13
9	Stereospecific sp3 C-H oxidation with m-CPBA: A CoIII Schiff base complex as pre-catalyst vs. its CoIIICdII heterometallic derivative. <i>Applied Catalysis A: General</i> , 2018, 560, 171-184.	4.3	23
10	Homo- and heterometallic polynuclear transition metal catalysts for alkane C-H bonds oxidative functionalization: Recent advances. <i>Coordination Chemistry Reviews</i> , 2018, 355, 199-222.	18.8	115
11	Polynuclear Cobalt Complexes as Catalysts for Light-Driven Water Oxidation: A Review of Recent Advances. <i>Catalysts</i> , 2018, 8, 602.	3.5	31
12	Copper(II) Complexes with Bulky N-Substituted Diethanolamines: High-Field Electron Paramagnetic Resonance, Magnetic, and Catalytic Studies in Oxidative Cyclohexane Amidation. <i>Inorganic Chemistry</i> , 2018, 57, 12384-12397.	4.0	13
13	Pronounced retention of stereoconfiguration upon sp3 C-H bonds hydroxylation of dimethylcyclohexanes and decahydronaphthalenes with m-CPBA oxidant and a Co-phthalocyanine catalyst. <i>Molecular Catalysis</i> , 2018, 459, 8-15.	2.0	15
14	Heterometallic Cu ^{II} Fe ^{III} and Cu ^{II} Mn ^{III} alkoxo-bridged complexes revealing a rare hexanuclear M ₆ (1/4-X) ₇ (1/4-X) ₃ -X ₂ molecular core. <i>Dalton Transactions</i> , 2018, 47, 10941-10952.	3.3	8
15	Copper(II) complex of the 2-pyridinecarbaldehyde aminoguanidine Schiff base: Crystal structure and catalytic behaviour in mild oxidation of alkanes. <i>Inorganic Chemistry Communication</i> , 2017, 78, 85-90.	3.9	26
16	Details make the difference: a family of tetranuclear Cu ^{II} Mn ^{III} complexes with cube-like and double open cube-like cores. <i>Dalton Transactions</i> , 2017, 46, 7480-7494.	3.3	8
17	Synthesis, crystal structures and catalytic activity of Cu(II) and Mn(III) Schiff base complexes: Influence of additives on the oxidation catalysis of cyclohexane and 1-phenylethanol. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 506-515.	4.8	47
18	Stereoselective oxidation of alkanes with m-CPBA as an oxidant and cobalt complex with isoindole-based ligands as catalysts. <i>RSC Advances</i> , 2016, 6, 93756-93767.	3.6	31

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19	Catalytic behaviour of a novel Fe(<i>iii</i>) Schiff base complex in the mild oxidation of cyclohexane. <i>Catalysis Science and Technology</i> , 2015, 5, 1801-1812.	4.1	28
20	A self-assembled octanuclear complex bearing the uncommon close-packed {Fe ₄ Mn ₄ ($\frac{1}{4}$ -O) ₄ ($\frac{1}{4}$ -O) ₄ } molecular core. <i>Dalton Transactions</i> , 2015, 44, 14918-14924.	3.3	17
21	An unprecedented octanuclear copper core with C _{3i} symmetry and a paramagnetic ground state. <i>Chemical Communications</i> , 2014, 50, 3431.	4.1	22
22	How to force a classical chelating ligand to a metal non-chelating bridge: the observation of a rare coordination mode of diethanolamine in the 1D complex {[Cu ₂ (Piv) ₄ (H ₃ tBuDea)](Piv)} _n . <i>CrystEngComm</i> , 2014, 16, 775-783.	2.6	11
23	Polynuclear Heterometallic Complexes from Metal Powders: The "Direct Synthesis" Approach. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4496-4517.	2.0	39
24	Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear Cu ₂ Fe ₂ complexes obtained by direct synthesis. <i>Dalton Transactions</i> , 2013, 42, 16909.	3.3	30
25	Tris(2,2'-bipyridine)copper(II) pentacyanonitrosotetraferate(II) methanol disolvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m212-m213.	0.2	2
26	Hexakis(dimethylformamide- \hat{O})manganese(II) (dimethylformamide- \hat{O})pentakis(thiocyanato- \hat{N})chromate(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m823-m823.	0.2	2
27	Tris(1,10-phenanthroline- \hat{N})iron(II) bis[(1,10-phenanthroline- \hat{N})tetrakis(thiocyanato- \hat{N})chromate(III)] acetonitrile trisolvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m531-m532.	0.2	3
28	Tetrakis($\frac{1}{4}$ -cyanido- \hat{C} :N)dicyanidotetrakis[tris(2-aminoethyl)amine- \hat{N}] ₃ N ₄ tetraferate(II) iron(II) bis[pentacyanonitrosotetraferate(II)] hexahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m1266-m1267.	0.2	1
29	Novel Heterometallic Schiff Base Complexes Featuring Unusual Tetranuclear {Co ^{III} Co ^{III} Fe ^{III} Fe ^{III} ($\frac{1}{4}$ -O) ₆ } and Octanuclear {Co ^{III} Co ^{III} Fe ^{III} Fe ^{III} ($\frac{1}{4}$ -O) ₁₄ } Cores: Direct Synthesis, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 386-396.	4.0	43
30	Discussion of Planarity of Molecular Structures Using Novel Pentanuclear Cu/Ni Complexes as an Example. <i>Crystal Growth and Design</i> , 2012, 12, 3200-3208.	3.0	13
31	Bis[<i>N,N'</i> -(2-aminoethyl)ethane-1,2-diamine- \hat{N}] ₃ <i>N,N'</i> -(2-aminoethyl)ethane-1,2-diamine- \hat{N}] ₃ copper(II) tris[diamminetetrakis(thiocyanato- \hat{N})chromate(III)] thiocyanate dimethyl sulfoxide tetradecasolvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1023-m1024.	0.2	4
32	Diaquabis(propane-1,3-diamine)copper(II) bis[diamminetetrakis(thiocyanato- \hat{N})chromate(III)] dimethyl sulfoxide octasolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m849-m850.	0.2	2
33	Diammine(2,2'-bipyridine)bis(thiocyanato- \hat{N})cobalt(III) diamminetetrakis(thiocyanato- \hat{N})chromate(III) acetonitrile disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1021-m1022.	0.2	4
34	Bis[$\frac{1}{4}$ -2-[(2-hydroxyethyl)(methyl)amino]ethanolato]bis($\frac{1}{4}$ -3-N-methyl-2,2'-azanedioldiethanolato)tetrakis(thiocyanato- \hat{N})dichromate dimethylformamide tetrasolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1864-m1865.	0.2	2
35	Specific features of the internal photoelectric effect of the Cu(II)/Fe(III) oxalate complex with ethylenediamine in an insulating polymer film. <i>Physics of the Solid State</i> , 2010, 52, 1303-1307.	0.6	2
36	A Cu ^{II} Ni ^{II} Complex with Ethylenediamine: Crystal Structure and Ferromagnetic Behaviour of an Aqua-Bridged Heterometallic Chain Containing Ambidentate Ni(OAc) ₄ ·2H ₂ O Blocks. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3529-3535.	2.0	5

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37	Structural and magnetic studies of tetranuclear heterometallic M/Cr (M = Co, Mn) complexes self-assembled from zerovalent cobalt or manganese, Reineckes salt and diethanolamine. <i>Polyhedron</i> , 2010, 29, 1326-1336.	2.2	21
38	Cr ^{III} –Cr ^{III} Interactions in Two Alkoxo-Bridged Heterometallic Zn ₂ Cr ₂ Complexes Self-Assembled from Zinc Oxide, Reinecke's Salt, and Diethanolamine. <i>Inorganic Chemistry</i> , 2010, 49, 5460-5471.	4.0	42
39	An extremely rare example of asymmetric tetranuclear core {M ₄ (^{1/4} X) ₂ (^{1/4} X) ₄ } in a novel alkoxo-bridged heterometallic Cr/Cd complex. <i>Dalton Transactions</i> , 2010, 39, 1734-1739.	3.3	7
40	Direct synthesis of an heterometallic {MnII3CrIII4} wheel by decomposition of Reineckes salt. <i>Dalton Transactions</i> , 2010, 39, 2344.	3.3	18
41	Sodium Nitroprusside as a Source of Metalloligand in Direct Synthesis of Cu/Fe Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 2316-2323.	1.2	5
42	Supramolecular diversity and magnetic properties of novel heterometallic Cu(II)/Cr(III) complexes prepared from copper powder, Reineckes salt and ethylenediamine. <i>Inorganica Chimica Acta</i> , 2009, 362, 2237-2246.	2.4	15
43	N,N-Dimethylethylenediamine in direct and direct template syntheses of Cu(II)/Cr(III) complexes. <i>Polyhedron</i> , 2009, 28, 1265-1272.	2.2	21
44	Novel heterometallic Cu(II)/Cr(III) complex with unique open-chain N-ligand produced in conditions of direct template synthesis. <i>Inorganic Chemistry Communication</i> , 2009, 12, 101-104.	3.9	22
45	Unique direct synthesis of cyanide-bridged Fe ₂ Cu ₂ molecular squares by destruction of sodium nitroprusside. <i>Inorganic Chemistry Communication</i> , 2009, 12, 890-894.	3.9	11
46	Specific features of the temperature characteristics of electrical conductivity and photoconductivity of polymer composites containing Cu(II)/Cr(III) heterometallic complexes. <i>Physics of the Solid State</i> , 2009, 51, 421-426.	0.6	7
47	The first heterometallic Cu(II)/Cr(III) complex with an open-chain Schiff-base ligand self-assembled from copper powder, Reineckes salt, ethylenediamine and acetone. <i>Polyhedron</i> , 2008, 27, 2426-2430.	2.2	44
48	Electric and photoconductivity of polymer composites containing heteropolynuclear M(II)/Cr(III) complexes in the presence of additives with different electron donor-acceptor properties. <i>High Energy Chemistry</i> , 2008, 42, 227-231.	0.9	5
49	Structural, magnetic, high-frequency and high-field EPR investigation of double-stranded heterometallic [{Ni(en) ₂ 2(μ-NCS) ₄ Cd(NCS) ₂ }] _n -nCH ₃ CN polymer self-assembled from cadmium oxide, nickel thiocyanate and ethylenediamine. <i>Dalton Transactions</i> , 2008, , 1431.	3.3	32
50	A three-dimensional framework of bis[tris(ethylenediamine)zinc] tetraiodocadmiate diiodide assisted by Nâ€”H...I hydrogen bonds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m281-m283.	0.4	7
51	Unusual photoelectric properties of polymeric composites containing heteropolynuclear complexes of transition metals. <i>Semiconductors</i> , 2006, 40, 240-248.	0.5	1
52	Electrical conductivity and photoconductivity of film materials based on heteropolynuclear Cu/Cd complexes and organic polymers. <i>Theoretical and Experimental Chemistry</i> , 2006, 42, 119-125.	0.8	0
53	Novel 1D and 2D heterometallic Cu/Cd complexes comprising unique mixed-anion Cd(^{1/4} -Cl)(^{1/4} -O ₂ CMe)Cl(O ₂ CMe) ₂ â€”, Cd(^{1/4} -O ₂ CMe)2I(O ₂ CMe) ₂ â€” and building blocks. <i>Synthesis</i> , 2005, 24, 1425-1434.	2.4	12
54	Heterometallic Ni/Zn amine complexes possessing extended 2D and 3D hydrogen-bonded networks prepared from zinc oxide. <i>Inorganica Chimica Acta</i> , 2005, 358, 2725-2738.	2.4	12

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55	A new 2D heterometallic Cu/Cd mixed-anion polymer with dicyanamide and thiocyanate bridges formed via the reaction of elemental copper, cadmium dicyanamide and ethylenediamine. <i>Inorganic Chemistry Communication</i> , 2004, 7, 450-454.	3.9	26
56	Novel heterometallic Cu/Cd complex containing a unique polymeric ladder-like anion $[Cd_2(O_2CMe)_6]^{2-}_n$ derived from elemental copper and cadmium oxide. <i>Inorganic Chemistry Communication</i> , 2003, 6, 896-899.	3.9	19