

Oksana V Nesterova

List of Publications by Year in descending order

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882
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Novel Heterometallic Schiff Base Complexes Featuring Unusual Tetranuclear $\{Co^{III}\}_2\{Fe^{III}\}_2(\mu-O)_6$ and Octanuclear $\{Co^{III}\}_4\{Fe^{III}\}_4(\mu-O)_{14}$ Cores: Direct Synthesis, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 386-396.	4.0	43
5	$Cr^{III} \cdots Cr^{III}$ Interactions in Two Alkoxo-Bridged Heterometallic Zn_2Cr_2 Complexes Self-Assembled from Zinc Oxide, Reinecke's Salt, and Diethanolamine. <i>Inorganic Chemistry</i> , 2010, 49, 5460-5471.	4.0	42
6	Polynuclear Heterometallic Complexes from Metal Powders: The "Direct Synthesis" Approach. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4496-4517.	2.0	39
7	Structural, magnetic, high-frequency and high-field EPR investigation of double-stranded heterometallic $\{[Ni(en)_2]_2(\mu-NCS)_4Cd(NCS)_2\}_n$ polymer self-assembled from cadmium oxide, nickel thiocyanate and ethylenediamine. <i>Dalton Transactions</i> , 2008, , 1431.	3.3	32
8	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
9	Polynuclear Cobalt Complexes as Catalysts for Light-Driven Water Oxidation: A Review of Recent Advances. <i>Catalysts</i> , 2018, 8, 602.	3.5	31
10	Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear Cu_2Fe_2 complexes obtained by direct synthesis. <i>Dalton Transactions</i> , 2013, 42, 16909.	3.3	30
11	Catalytic behaviour of a novel Fe^{III} Schiff base complex in the mild oxidation of cyclohexane. <i>Catalysis Science and Technology</i> , 2015, 5, 1801-1812.	4.1	28
12	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
13	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
14	Stereospecific $sp^3 C-H$ oxidation with m-CPBA: A Co^{III} Schiff base complex as pre-catalyst vs. its $Co^{III}Cd^{II}$ heterometallic derivative. <i>Applied Catalysis A: General</i> , 2018, 560, 171-184.	4.3	23
15	Novel 1D and 2D heterometallic Cu/Cd complexes comprising unique mixed-anion $Cd(\mu_4-Cl)(\mu_4-O_2CMe)Cl(O_2CMe)_2$, $Cd(\mu_4-O_2CMe)_2I(O_2CMe)_2$, $Cd(\mu_4-I)(\mu_4-O_2CMe)I(O_2CMe)_2$ and building blocks. Synthesis from elemental copper, structure and magnetism. <i>Polyhedron</i> , 2005, 24, 1425-1434.	3.9	22
16	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
17	An unprecedented octanuclear copper core with C_3i symmetry and a paramagnetic ground state. <i>Chemical Communications</i> , 2014, 50, 3431.	4.1	22
18	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

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19	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
20	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
21	Novel heterometallic Cu/Cd complex containing a unique polymeric ladder-like anion [Cd ₂ (O ₂ CMe) ₆] ²⁻ _n derived from elemental copper and cadmium oxide. <i>Inorganic Chemistry Communication</i> , 2003, 6, 896-899.	3.9	19
22	Direct synthesis of an heterometallic {MnII ₃ CrIII ₄ } wheel by decomposition of Reineckes salt. <i>Dalton Transactions</i> , 2010, 39, 2344.	3.3	18
23	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
24	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
25	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
26	Pronounced retention of stereoconfiguration upon sp ³ 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
27	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
28	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
29	Heterometallic CoIII ₂ ZnII Schiff Base Catalyst for Mild Hydroxylation of C(sp ³)-H Bonds of Unactivated Alkanes: Evidence for Dual Mechanism Controlled by the Promoter. <i>Catalysts</i> , 2019, 9, 209.	3.5	13
30	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
31	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
32	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
33	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
34	Heterometallic Cu ^{II} Fe ^{III} and Cu ^{II} Mn ^{III} alkoxo-bridged complexes revealing a rare hexanuclear M ₆ ($\frac{1}{4}$ -X) ₇ ($\frac{1}{4}$ -X) ₂ molecular core. <i>Dalton Transactions</i> , 2018, 47, 10941-10952.	3.3	8
35	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
36	Novel H-Bonded Synthons in Copper Supramolecular Frameworks with Aminoethylpiperazine-Based Ligands. <i>Synthesis, Structure and Catalytic Activity</i> . <i>Materials</i> , 2020, 13, 5435.	2.9	8

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55	Tetrakis(1/42-cyano-1/2C:N)dicyanidotetrakis[tris(2-aminoethyl)amine-1/3N,Na ⁺ ,Na ⁺ ,Na ⁺]tetracopper(II)iron(II) bis[pentacyanonitrosferrate(II)] hexahydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1266-m1267.	0.2	1
56	Electrical conductivity and photoconductivity of film materials based on heteropolynuclear Cu/Cd complexes and organic polymers. Theoretical and Experimental Chemistry, 2006, 42, 119-125.	0.8	0