

Lidia S Shul'pina

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Exploring Cage-like Silsesquioxane Building Blocks for the Design of Heterometallic Cu ₄ /M ₄ Architectures. <i>Crystal Growth and Design</i> , 2022, 22, 2146-2157.	1.4	11
2	Novel Copper(II) Complexes with Dipinodiazfluorene Ligands: Synthesis, Structure, Magnetic and Catalytic Properties. <i>Molecules</i> , 2022, 27, 4072.	1.7	6
3	Oxidation of Organic Compounds with Peroxides Catalyzed by Polynuclear Metal Compounds. <i>Catalysts</i> , 2021, 11, 186.	1.6	16
4	Novel Oxidovanadium Complexes with Redox-Active R-Mian and R-Bian Ligands: Synthesis, Structure, Redox and Catalytic Properties. <i>Molecules</i> , 2021, 26, 5706.	1.7	26
5	Copper complexes with 1,10-phenanthrolines as efficient catalysts for oxidation of alkanes by hydrogen peroxide. <i>Inorganica Chimica Acta</i> , 2020, 512, 119889.	1.2	17
6	Coordination Affinity of Cu(II)-Based Silsesquioxanes toward N,N-Ligands and Associated Skeletal Rearrangements: Cage and Ionic Products Exhibiting a High Catalytic Activity in Oxidation Reactions. <i>Inorganic Chemistry</i> , 2020, 59, 4536-4545.	1.9	22
7	New Cu ₄ Na ₄ - and Cu ₅ -Based Phenylsilsesquioxanes. Synthesis via Complexation with 1,10-Phenanthroline, Structures and High Catalytic Activity in Alkane Oxidations with Peroxides in Acetonitrile. <i>Catalysts</i> , 2019, 9, 701.	1.6	15
8	Copper(II) complexes with 2,2',6',6'-terpyridine, 2,6-di(thiazol-2-yl)pyridine and 2,6-di(pyrazin-2-yl)pyridine substituted with quinolines. Synthesis, structure, antiproliferative activity, and catalytic activity in the oxidation of alkanes and alcohols with peroxides. <i>Dalton Transactions</i> , 2019, 48, 12656-12673.	1.6	44
9	Hexacoppergermsesquioxanes as complexes with N-ligands: Synthesis, structure and catalytic properties. <i>Journal of Organometallic Chemistry</i> , 2019, 884, 17-28.	0.8	21
10	New Oxidovanadium(IV) Complexes with 2,2'-bipyridine and 1,10-phenanthroline Ligands: Synthesis, Structure and High Catalytic Activity in Oxidations of Alkanes and Alcohols with Peroxides. <i>Catalysts</i> , 2019, 9, 217.	1.6	24
11	Cyclopentadienyl cobalt(III) complexes: Synthetic and catalytic chemistry. <i>Coordination Chemistry Reviews</i> , 2019, 387, 1-31.	9.5	41
12	Palanquin-Like Cu ₄ Na ₄ Silsesquioxane Synthesis (via Oxidation of 1,1-bis(Diphenylphosphino)methane), Structure and Catalytic Activity in Alkane or Alcohol Oxidation with Peroxides. <i>Catalysts</i> , 2019, 9, 154.	1.6	24
13	Metal Complexes Containing Redox-Active Ligands in Oxidation of Hydrocarbons and Alcohols: A Review. <i>Catalysts</i> , 2019, 9, 1046.	1.6	33
14	Metal-Catalyzed Oxidation of C-H Compounds with Peroxides in Unconventional Solvents. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 1-35.	0.4	0
15	Heptanuclear Cage Cu ^{II} -Silsesquioxanes: Synthesis, Structure and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2505-2511.	1.0	26
16	High Catalytic Activity of Vanadium Complexes in Alkane Oxidations with Hydrogen Peroxide: An Effect of 8-Hydroxyquinoline Derivatives as Noninnocent Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 1824-1839.	1.9	51
17	Mild and Regioselective Hydroxylation of Methyl Group in Neocuproine: Approach to an N,O-Ligated Cu ₆ Cage Phenylsilsesquioxane. <i>Organometallics</i> , 2018, 37, 168-171.	1.1	31
18	Family of penta- and hexanuclear metallasilsesquioxanes: Synthesis, structure and catalytic properties in oxidations. <i>Journal of Organometallic Chemistry</i> , 2018, 867, 133-141.	0.8	23

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19	Heptanuclear Fe ₅ Cu ₂ -Phenylgermsesquioxane containing 2,2'-Bipyridine: Synthesis, Structure, and Catalytic Activity in Oxidation of C-H Compounds. <i>Inorganic Chemistry</i> , 2018, 57, 528-534.	1.9	25
20	A new bicyclic helmet-like copper(<i>ii</i>), sodiumphenylsilsesquioxane. Synthesis, structure and catalytic activity. <i>Dalton Transactions</i> , 2018, 47, 15666-15669.	1.6	18
21	Cu ₄₂ Ge ₂₄ Na ₄ A Giant Trimetallic Sesquioxane Cage: Synthesis, Structure, and Catalytic Activity. <i>Catalysts</i> , 2018, 8, 484.	1.6	14
22	New oxidovanadium(<i>iv</i>) complex with a BIAN ligand: synthesis, structure, redox properties and catalytic activity. <i>New Journal of Chemistry</i> , 2018, 42, 16200-16210.	1.4	42
23	High-Cluster (Cu ₉) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2018, 57, 11524-11529.	1.9	40
24	Oxidative functionalization of C-H compounds induced by the extremely efficient osmium catalysts (a) Tj ETQq0,0,0 rgBT /Overlock 1	2.1	16
25	Synthesis, structures and catalytic activity of p-tolylimido rhenium(V) complexes incorporating quinoline-derived ligands. <i>Inorganica Chimica Acta</i> , 2017, 455, 683-695.	1.2	12
26	A hydroperoxo-rebound mechanism of alkane oxidation with hydrogen peroxide catalyzed by binuclear manganese(IV) complex in the presence of an acid with involvement of atmospheric dioxygen. <i>Inorganica Chimica Acta</i> , 2017, 455, 666-676.	1.2	56
27	Unusual Tri-, Hexa-, and Nonanuclear Cu(II) Cage Methylsilsesquioxanes: Synthesis, Structures, and Catalytic Activity in Oxidations with Peroxides. <i>Inorganic Chemistry</i> , 2017, 56, 4093-4103.	1.9	54
28	Ionic Complexes of Tetra- and Nonanuclear Cage Copper(II) Phenylsilsesquioxanes: Synthesis and High Activity in Oxidative Catalysis. <i>ChemCatChem</i> , 2017, 9, 4437-4447.	1.8	33
29	Si ₁₀ Cu ₆ N ₄ Cage Hexacoppersilsesquioxanes Containing N Ligands: Synthesis, Structure, and High Catalytic Activity in Peroxide Oxidations. <i>Inorganic Chemistry</i> , 2017, 56, 15026-15040.	1.9	36
30	Copper(<i>ii</i>) complexes of functionalized 2,2':6'',2''-terpyridines and 2,6-di(thiazol-2-yl)pyridine: structure, spectroscopy, cytotoxicity and catalytic activity. <i>Dalton Transactions</i> , 2017, 46, 9591-9604.	1.6	69
31	High Catalytic Activity of Heterometallic (Fe ₆ Na ₇ and Fe ₆ Na ₆) Cage Silsesquioxanes in Oxidations with Peroxides. <i>Catalysts</i> , 2017, 7, 101.	1.6	37
32	New Trends in Oxidative Functionalization of Carbon-Hydrogen Bonds: A Review. <i>Catalysts</i> , 2016, 6, 50.	1.6	167
33	Novel Cage-Like Hexanuclear Nickel(II) Silsesquioxane. Synthesis, Structure, and Catalytic Activity in Oxidations with Peroxides. <i>Molecules</i> , 2016, 21, 665.	1.7	32
34	Stereoselective Alkane Oxidation with meta-Chloroperoxybenzoic Acid (MCPBA) Catalyzed by Organometallic Cobalt Complexes. <i>Molecules</i> , 2016, 21, 1593.	1.7	29
35	Oxidation of hydroxyacetone (acetol) with hydrogen peroxide in acetonitrile solution catalyzed by iron(III) chloride. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 103-114.	4.8	15
36	Oxidation of olefins with H ₂ O ₂ catalyzed by gallium(III) nitrate and aluminum(III) nitrate in solution. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 216-220.	4.8	11

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37	A heterometallic (Fe ₆ Na ₈) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. <i>RSC Advances</i> , 2016, 6, 48165-48180.	1.7	53
38	Cage-like Fe ₆ Na ₈ silsesquioxanes: Structure, Magnetism, and Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15360-15363.	7.2	36
39	Cage-like Fe ₆ Na ₈ silsesquioxanes: Structure, Magnetism, and Catalytic Activity. <i>Angewandte Chemie</i> , 2016, 128, 15586-15589.	1.6	1
40	p-Tolylimido rhenium(ν) complexes with phenolate-based ligands: synthesis, X-ray studies and catalytic activity in oxidation with tert-butylhydroperoxide. <i>Dalton Transactions</i> , 2016, 45, 334-351.	1.6	10
41	Oxidation of alkanes and benzene with hydrogen peroxide catalyzed by ferrocene in the presence of acids. <i>Journal of Organometallic Chemistry</i> , 2015, 793, 217-231.	0.8	25
42	Oxidation of Olefins with Hydrogen Peroxide Catalyzed by Bismuth Salts: A Mechanistic Study. <i>ACS Catalysis</i> , 2015, 5, 3823-3835.	5.5	40
43	Cage-like Copper(II) Silsesquioxanes: Transmetalation Reactions and Structural, Quantum Chemical, and Catalytic Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 8758-8770.	1.7	65
44	Alkane oxidation with peroxides catalyzed by cage-like copper(ii) silsesquioxanes. <i>New Journal of Chemistry</i> , 2015, 39, 187-199.	1.4	46
45	Oxidation of hydrocarbons and alcohols with peroxides catalyzed by new η -cymene osmium complexes. <i>Journal of Organometallic Chemistry</i> , 2015, 784, 52-61.	0.8	22
46	Solvent-controlled synthesis of tetranuclear cage-like copper(ii) silsesquioxanes. Remarkable features of the cage structures and their high catalytic activity in oxidation with peroxides. <i>Dalton Transactions</i> , 2014, 43, 872-882.	1.6	69
47	New p-tolylimido rhenium(ν) complexes with carboxylate-based ligands: synthesis, structures and their catalytic potential in oxidations with peroxides. <i>Dalton Transactions</i> , 2014, 43, 5759-5776.	1.6	24
48	Oxidation of hydrocarbons with H ₂ O ₂ /O ₂ catalyzed by osmium complexes containing p-cymene ligands in acetonitrile. <i>Catalysis Science and Technology</i> , 2014, 4, 3214-3226.	2.1	38
49	Radical decomposition of hydrogen peroxide catalyzed by aqua complexes [M(H ₂ O) ₆] ²⁺ (M = Be, Zn, Cd). <i>Journal of Catalysis</i> , 2014, 313, 135-148.	3.1	47
50	Oxidation reactions catalyzed by osmium compounds. Part 4. Highly efficient oxidation of hydrocarbons and alcohols including glycerol by the H ₂ O ₂ /Os ₃ (CO) ₁₂ /pyridine reagent. <i>RSC Advances</i> , 2013, 3, 15065.	1.7	28
51	Oxygenation of saturated and aromatic hydrocarbons with H ₂ O ₂ catalysed by the carbonyl thiophenolate iron complex (OC) ₃ Fe(PhS) ₂ Fe(CO) ₃ . <i>Catalysis Today</i> , 2013, 218-219, 93-98.	2.2	15
52	Binuclear Cage-like Copper(II) Silsesquioxane (‘‘Cooling Tower’’) Its High Catalytic Activity in the Oxidation of Benzene and Alcohols. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5240-5246.	1.0	53
53	Pyrazinecarboxylic acid and analogs: Highly efficient co-catalysts in the metal-complex-catalyzed oxidation of organic compounds. <i>Coordination Chemistry Reviews</i> , 2013, 257, 732-754.	9.5	138
54	Mild oxidative alkane functionalization with peroxides in the presence of ferrocene. <i>Catalysis Communications</i> , 2013, 31, 32-36.	1.6	31

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55	Generation of HO• Radical from Hydrogen Peroxide Catalyzed by Aqua Complexes of the Group III Metals [M(H ₂ O) ₃] ³⁺ (M = Ga, In, Sc, Y, or La): A Theoretical Study. ACS Catalysis, 2013, 3, 1195-1208.	5.5	76
56	Hydrocarbon oxygenation with Oxone catalyzed by complex [Mn ₂ L ₂ O ₃] ²⁺ (L=1,4,7-trimethyl-1,4,7-triazacyclononane) and oxalic acid. Tetrahedron, 2012, 68, 8589-8599.	1.0	14
57	Oxidation of isoeugenol to vanillin by the H ₂ O ₂ -vanadate-pyrazine-2-carboxylic acid-reagent. Journal of Molecular Catalysis A, 2012, 363-364, 140-147.	4.8	49
58	Heterometallic Co ^{III} ₄ Fe ^{III} ₂ Schiff Base Complex: Structure, Electron Paramagnetic Resonance, and Alkane Oxidation Catalytic Activity. Inorganic Chemistry, 2012, 51, 9110-9122.	1.9	126
59	Participation of Oligovanadates in Alkane Oxidation with H ₂ O ₂ Catalyzed by Vanadate Anion in Acidified Acetonitrile: Kinetic and DFT Studies. ACS Catalysis, 2011, 1, 1511-1520.	5.5	98
60	Mechanism of Al ³⁺ -Catalyzed Oxidations of Hydrocarbons: Dramatic Activation of H ₂ O ₂ toward O [•] Homolysis in Complex [Al(H ₂ O) ₄ (OOH)(H ₂ O) ₂] ²⁺ Explains the Formation of HO• Radicals. Inorganic Chemistry, 2011, 50, 3996-4005.	1.9	63
61	Mild oxidative functionalization of alkanes and alcohols catalyzed by new mono- and dicopper(II) aminopolyalcoholates. Journal of Molecular Catalysis A, 2011, 350, 26-34.	4.8	72
62	Decamethylsmocene-catalyzed efficient oxidation of saturated and aromatic hydrocarbons and alcohols with hydrogen peroxide in the presence of pyridine†. Journal of Catalysis, 2011, 277, 164-172.	3.1	40
63	Oxidation of Reactive Alcohols with Hydrogen Peroxide Catalyzed by Manganese Complexes. Catalysis Letters, 2010, 138, 193-204.	1.4	45
64	Mild homogeneous oxidation of alkanes and alcohols including glycerol with tert-butyl hydroperoxide catalyzed by a tetracopper(II) complex. Journal of Catalysis, 2010, 272, 9-17.	3.1	85
65	Oxidation of alkanes and alcohols with hydrogen peroxide catalyzed by complex Os ₃ (CO) ₁₀ (μ-H) ₂ . Applied Organometallic Chemistry, 2010, 24, 464-472.	1.7	48
66	Mechanism of oxidations with H ₂ O ₂ catalyzed by vanadate anion or oxovanadium(V) triethanolamine (vanadatrane) in combination with pyrazine-2-carboxylic acid (PCA): Kinetic and DFT studies. Journal of Catalysis, 2009, 267, 140-157.	3.1	150
67	Remarkably fast oxidation of alkanes by hydrogen peroxide catalyzed by a tetracopper(II) triethanolamine complex: Promoting effects of acid co-catalysts and water, kinetic and mechanistic features. Journal of Catalysis, 2009, 268, 26-38.	3.1	131
68	Hydrogen Peroxide Oxygenation of Saturated and Unsaturated Hydrocarbons Catalyzed by Montmorillonite or Aluminum Oxide. Catalysis Letters, 2009, 132, 235-243.	1.4	27
69	Oxidations by the system H ₂ O ₂ -[Mn ₂ L ₂ O ₃] ²⁺ (L=1,4,7-trimethyl-1,4,7-triazacyclononane)-oxalic acid™. Part 11. Degradation of dye Rhodamine 6G and oxygenation of cyclohexene. Journal of Molecular Catalysis A, 2009, 299, 77-87.	4.8	36
70	Alkane oxidation by the H ₂ O ₂ -NaVO ₃ -H ₂ SO ₄ system in acetonitrile and water. Tetrahedron, 2009, 65, 2424-2429.	1.0	76
71	Synthesis, structure, electrochemistry, and Mössbauer effect studies of (ring)Fe complexes (ring=Cp, Cp*) [Cp*Fe(η-C ₆ H ₆)] ⁺ . Journal of Organometallic Chemistry, 2009, 694, 1161-1171.	0.8	23
72	Oxidation of alkanes and olefins with hydrogen peroxide in acetonitrile solution catalyzed by a mesoporous titanium-silicate Ti-MMM-2. Applied Catalysis A: General, 2009, 365, 96-104.	2.2	42

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73	Extremely Efficient Alkane Oxidation by a New Catalytic Reagent $H_2O_2/OsO_3(CO)_{12}/Pyridine$. <i>Inorganic Chemistry</i> , 2009, 48, 10480-10482.	1.9	130
74	Oxidation of Saturated Hydrocarbons to Alkyl Hydroperoxides by a $H_2O_2/Titanosilicalite-1/NaOH/MeCN$ System. <i>Catalysis Letters</i> , 2008, 123, 135-141.	1.4	22
75	Oxygenation of aromatic hydrocarbons with hydrogen peroxide catalyzed by rhodium carbonyl complexes. <i>Applied Organometallic Chemistry</i> , 2008, 22, 684-688.	1.7	10
76	Hydroperoxidation of alkanes with hydrogen peroxide catalyzed by aluminium nitrate in acetonitrile. <i>Tetrahedron Letters</i> , 2008, 49, 6693-6697.	0.7	57
77	Oxidation of hydrocarbons with hydrogen peroxide catalyzed by maltolato vanadium complexes covalently bonded to silica gel. <i>Catalysis Communications</i> , 2007, 8, 1516-1520.	1.6	51
78	Peroxyacetic Acid Oxidation of Olefins and Alkanes Catalyzed by a Dinuclear Manganese(IV) Complex with 1,4,7-trimethyl-1,4,7-triazacyclononane. <i>Catalysis Letters</i> , 2007, 118, 22-29.	1.4	24
79	Dinuclear manganese complexes containing 1,4-dimethyl-1,4,7-triazacyclononane ligands as well as carboxylato and oxo bridges. <i>Inorganica Chimica Acta</i> , 2006, 359, 1619-1626.	1.2	22
80	Regioselective alkane oxygenation with H_2O_2 catalyzed by titanosilicalite TS-1. <i>Tetrahedron Letters</i> , 2006, 47, 3071-3075.	0.7	52
81	Highly efficient oxidation of alcohols by the system $H_2O_2-[Mn(O)_3Mn](PF_6)_2$ (L = Tj ETQq1 1 0.784314 rgBT /Over	0.6	27
82	Oxidation of alcohols with hydrogen peroxide catalyzed by soluble iron and osmium derivatives. <i>Reaction Kinetics and Catalysis Letters</i> , 2006, 88, 157-163.	0.6	26
83	Oxidations catalyzed by osmium compounds. Part 1: Efficient alkane oxidation with peroxides catalyzed by an olefin carbonyl osmium(0) complex. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 837-845.	0.8	49
84	Oxidations by the system $H_2O_2/[Mn_2L_2O_3][PF_6]_2$ (L=1,4,7-trimethyl-1,4,7-triazacyclononane) oxalic acid. Part 6. Oxidation of methane and other alkanes and olefins in water. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4498-4504.	0.8	52
85	Oxidations by the reagent H_2O_2 vanadium derivative pyrazine-2-carboxylic acid. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 247-253.	4.8	72
86	Alkane oxygenation with H_2O_2 catalysed by $FeCl_3$ and 2,2'-bipyridine. <i>Tetrahedron Letters</i> , 2005, 46, 4563-4567.	0.7	47
87	Mono and oligonuclear vanadium complexes as catalysts for alkane oxidation: synthesis, molecular structure, and catalytic potential. <i>Inorganica Chimica Acta</i> , 2004, 357, 475-484.	1.2	71
88	Oxidation of saturated hydrocarbons with peroxyacetic acid catalyzed by vanadium complexes. <i>Journal of Molecular Catalysis A</i> , 2004, 218, 171-177.	4.8	49
89	Oxidation of alkanes with m-chloroperbenzoic acid catalyzed by iron(III) chloride and a polydentate amine. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 255-264.	4.8	37
90	Metal-catalysed hydrocarbon oxidations. <i>Comptes Rendus Chimie</i> , 2003, 6, 163-178.	0.2	227

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91	Aerobic hydroxylation of hydrocarbons catalysed by vanadate ion. Journal of Molecular Catalysis A, 2003, 197, 65-71.	4.8	34
92	Metal-catalyzed hydrocarbon oxygenations in solutions: the dramatic role of additives: a review. Journal of Molecular Catalysis A, 2002, 189, 39-66.	4.8	471
93	Oxidations by the reagent $\text{O}_2\text{H}_2\text{O}_2$ "vanadium derivative" "pyrazine-2-carboxylic acid"™. Part 12. Main features, kinetics and mechanism of alkane hydroperoxidation. Perkin Transactions II RSC, 2001, , 1351-1371.	1.1	195
94	Oxidations by the system "hydrogen peroxide" "manganese(IV) complex" "carboxylic acid". Journal of Molecular Catalysis A, 2001, 170, 17-34.	4.8	157
95	Alkane oxidation with hydrogen peroxide catalyzed homogeneously by vanadium-containing polyphosphomolybdates. Applied Catalysis A: General, 2001, 217, 111-117.	2.2	77
96	Oxidative functionalisation of ethane with hydrogen peroxide catalysed by chromic acid. Journal of Chemical Research, 2000, 2000, 576-577.	0.6	9
97	Oxygenation of alkanes with hydrogen peroxide catalysed by osmium complexes. Chemical Communications, 2000, , 1131-1132.	2.2	40
98	Oxidative functionalisation of alkanes: synthesis, molecular structure and catalytic implications of anionic vanadium(V) oxo and peroxy complexes containing bidentate N,O ligands. Journal of the Chemical Society Dalton Transactions, 1999, , 3169-3175.	1.1	71
99	Catalytic oxidation of methane to methyl hydroperoxide and other oxygenates under mild conditions. Chemical Communications, 1997, , 397-398.	2.2	74