Georgiy B Shul'pin

List of Publications by Year
in descending order

154 papers	10,821 citations	34016 52 h-index	32761 100 g-index
164 all docs	164 docs citations	164 times ranked	5771 citing authors

#	Article	IF	Citations
1	Activation of Câ˜H Bonds by Metal Complexes. Chemical Reviews, 1997, 97, 2879-2932.	23.0	2,713
2	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
3	Metal-catalysed hydrocarbon oxidations. Comptes Rendus Chimie, 2003, 6, 163-178.	0.2	227
4	Selectivity enhancement in functionalization of Câ€“H bonds: A review. Organic and Biomolecular Chemistry, 2010, 8, 4217.	1.5	198
5	Oxidations by the reagent â€œO2â€“H2O2â€“vanadium derivativeâ€“pyrazine-2-carboxylic acidâ€™. Part 12. Main features, kinetics and mechanism of alkane hydroperoxidationâ€. Perkin Transactions II RSC, 2001, , 1351-1371.	1.1	195
6	Câ€“H functionalization: thoroughly tuning ligands at a metal ion, a chemist can greatly enhance catalyst's activity and selectivity. Dalton Transactions, 2013, 42, 12794.	1.6	167
7	New Trends in Oxidative Functionalization of Carbonâ€“Hydrogen Bonds: A Review. Catalysts, 2016, 6, 50.	1.6	167
8	Oxidations by the system â€œhydrogen peroxideâ€“manganese(IV) complexâ€“carboxylic acidâ€• Journal of Molecular Catalysis A, 2001, 170, 17-34.	4.8	157
9	Mechanism of oxidations with H2O2 catalyzed by vanadate anion or oxovanadium(V) triethanolaminate (vanadatrane) in combination with pyrazine-2-carboxylic acid (PCA): Kinetic and DFT studies. Journal of Catalysis, 2009, 267, 140-157.	3.1	150
10	Pyrazinecarboxylic acid and analogs: Highly efficient co-catalysts in the metal-complex-catalyzed oxidation of organic compounds. Coordination Chemistry Reviews, 2013, 257, 732-754.	9.5	138
11	Remarkably fast oxidation of alkanes by hydrogen peroxide catalyzed by a tetracopper(II) triethanolaminate complex: Promoting effects of acid co-catalysts and water, kinetic and mechanistic features. Journal of Catalysis, 2009, 268, 26-38.	3.1	131
12	Extremely Efficient Alkane Oxidation by a New Catalytic Reagent H₂O₂/Os₃(CO)₁₂/Pyridine. Inorganic Chemistry, 2009, 48, 10480-10482.	1.9	130
13	Oxidations by the system â€œhydrogen peroxide - manganese(IV) complex - acetic acidâ€•â€” Part II. Hydroperoxidation and hydroxylation of alkanes in acetonitrile. Tetrahedron, 1999, 55, 5345-5358.	1.0	129
14	Heterometallic Co^{III}₄Fe^{III}₂ Schiff Base Complex: Structure, Electron Paramagnetic Resonance, and Alkane Oxidation Catalytic Activity. Inorganic Chemistry, 2012, 51, 9110-9122.	1.9	126
15	Efficient stereoselective oxygenation of alkanes by peroxyacetic acid or hydrogen peroxide and acetic acid catalysed by a manganese(IV) 1,4,7-trimethyl-1,4,7-triazacyclononane complex. Tetrahedron Letters, 1998, 39, 4909-4912.	0.7	119
16	Formation of alkyl peroxides in oxidation of alkanes by H2O2 catalyzed by transition metal complexes. Reaction Kinetics and Catalysis Letters, 1992, 48, 333-338.	0.6	110
17	Activation and Catalytic Reactions of Alkanes in Solutions of Metal Complexes. Russian Chemical Reviews, 1987, 56, 442-464.	2.5	107
18	Oxidation of 2-Propanol and Cyclohexane by the Reagent â€œHydrogen Peroxideâ€”Vanadate Anionâ˜Pyrazine-2-carboxylic Acidâ€•â€‰ Kinetics and Mechanism. Journal of Physical Chemistry A, 2007, 111, 7736-7752.	1.1	106

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19	Participation of Oligovanadates in Alkane Oxidation with H₂O₂Catalyzed by Vanadate Anion in Acidified Acetonitrile: Kinetic and DFT Studies. ACS Catalysis, 2011, 1, 1511-1520.	5.5	98
20	Dinuclear Manganese Complexes Containing Chiral 1,4,7-Triazacyclononane-Derived Ligands and Their Catalytic Potential for the Oxidation of Olefins, Alkanes, and Alcohols. Inorganic Chemistry, 2007, 46, 1315-1331.	1.9	92
21	Oxidations by the system â€˜hydrogen peroxideâ€“[Mn2L2O3][PF6]2 (L=1,4,7-trimethyl-1,4,7-triazacyclononane)â€“carboxylic acidâ€™. Part 10: Co-catalytic effect of different carboxylic acids in the oxidation of cyclohexane, cyclohexanol, and acetone. Tetrahedron, 2008, 64, 2143-2152.	1.0	91
22	Hydroperoxidation of methane and other alkanes with H2O2 catalyzed by a dinuclear iron complex and an amino acid. Tetrahedron, 2002, 58, 9231-9237.	1.0	87
23	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
24	Alkane hydroperoxidation with peroxides catalysed by copper complexes. Organic and Biomolecular Chemistry, 2003, 1, 3611.	1.5	84
25	Oxidations by the reagent O2 - H2O2 - vanadium complex - pyrazine-2-carboxylic acid Part 7. Hydroperoxidation of higher alkanes. Tetrahedron, 1996, 52, 13051-13062.	1.0	82
26	Alkane oxygenation catalysed by gold complexes. Tetrahedron Letters, 2001, 42, 7253-7256.	0.7	82
27	Oxidations by the reagent â€˜H2O2â€“vanadium complexâ€“pyrazine-2-carboxylic acidâ€™. Part 4. Oxidation of alkanes, benzene and alcohols by an adduct of H2O2with urea. Journal of the Chemical Society Perkin Transactions II, 1995, , 1459-1463.	0.9	79
28	Carboxylation of methane with CO or CO2 in aqueous solution catalysed by vanadium complexes. Chemical Communications, 1998, , 1885-1886.	2.2	79
29	Alkane oxidation with hydrogen peroxide catalyzed homogeneously by vanadium-containing polyphosphomolybdates. Applied Catalysis A: General, 2001, 217, 111-117.	2.2	77
30	Methyltrioxorhenium catalyzed oxidation of saturated and aromatic hydrocarbons by H2O2 in air. Tetrahedron Letters, 1996, 37, 6487-6490.	0.7	76
31	Oxidations by the reagent `O2â€“H2O2 â€“ vanadate anion â€“ pyrazine-2-carboxylic acid'.. Journal of Molecular Catalysis A, 1998, 130, 163-170.	4.8	76
32	Oxidations by the â€œhydrogen peroxideâ€“manganese(IV) complexâ€“carboxylic acidâ€•system. : Part 4. Efficient acid-base switching between catalase and oxygenase activities of a dinuclear manganese(IV) complex in the reaction with H2O2and an alkane. New Journal of Chemistry, 2002, 26, 1238-1245.	1.4	76
33	Alkane oxidation by the H2O2â€“NaVO3â€“H2SO4 system in acetonitrile and water. Tetrahedron, 2009, 65, 2424-2429.	1.0	76
34	Generation of HO^{â€¢} Radical from Hydrogen Peroxide Catalyzed by Aqua Complexes of the Group III Metals [M(H₂O)_n]³⁺ (M = Ga, In, Sc, Y, or La): A Theoretical Study. ACS Catalysis, 2013, 3, 1195-1208.	5.5	76
35	Catalytic oxidation of methane to methyl hydroperoxide and other oxygenates under mild conditions. Chemical Communications, 1997, , 397-398.	2.2	74
36	Synthesis, Molecular Structure, and Catalytic Potential of the Tetrairon Complex [Fe4(N3O2-L)4(Î¼-O)2]4+(L = 1-Carboxymethyl-4,7-dimethyl-1,4,7-triazacyclononane). Inorganic Chemistry, 2007, 46, 3166-3175.	1.9	74

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37	A new binuclear oxovanadium(v) complex as a catalyst in combination with pyrazinecarboxylic acid (PCA) for efficient alkane oxygenation by H2O2. Dalton Transactions, 2013, 42, 11791.	1.6	73
38	Oxidations by the reagent â€œO2â€“H2O2â€“vanadium derivativeâ€“pyrazine-2-carboxylic acidâ€• Journal of Molecular Catalysis A, 2005, 227, 247-253.	4.8	72
39	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
40	Oxidations by the reagent Â«O2 - H2O2 - vanadium complex - pyrazine-2-carboxylic acidÃ¥-8. Tetrahedron, 1997, 53, 3603-3614.	1.0	71
41	Oxidative functionalisation of alkanes: synthesis, molecular structure and catalytic implications of anionic vanadium(V) oxo and peroxo complexes containing bidentate N,O ligandsâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 3169-3175.	1.1	71
42	Mono and oligonuclear vanadium complexes as catalysts for alkane oxidation: synthesis, molecular structure, and catalytic potential. Inorganica Chimica Acta, 2004, 357, 475-484.	1.2	71
43	Solvent-controlled synthesis of tetranuclear cage-like copper(<scp>ii</scp>) silsesquioxanes. Remarkable features of the cage structures and their high catalytic activity in oxidation with peroxides. Dalton Transactions, 2014, 43, 872-882.	1.6	69
44	Copper(<scp>ii</scp>) complexes of functionalized 2,2â€²:6â€²,2â€²â€²-terpyridines and 2,6-di(thiazol-2-yl)pyridine: structure, spectroscopy, cytotoxicity and catalytic activity. Dalton Transactions, 2017, 46, 9591-9604.	1.6	69
45	Hydroperoxidation of alkanes by atmospheric oxygen in the presence of hydroquinone or quinone catalyzed by copper(II) acetate under visible light irradiation. Reaction Kinetics and Catalysis Letters, 1992, 47, 207-211.	0.6	65
46	Cageâ€like Copper(II) Silsesquioxanes: Transmetalation Reactions and Structural, Quantum Chemical, and Catalytic Studies. Chemistry - A European Journal, 2015, 21, 8758-8770.	1.7	65
47	Mechanism of Al³⁺-Catalyzed Oxidations of Hydrocarbons: Dramatic Activation of H₂O₂ toward Oâ€“O Homolysis in Complex [Al(H₂O)₄(OOH)(H₂O₂)]²⁺ Explains the Formation of HO^{â€¢} Radicals. Inorganic Chemistry, 2011, 50, 3996-4005.	1.9	63
48	Hydroperoxidation of alkanes with hydrogen peroxide catalyzed by aluminium nitrate in acetonitrile. Tetrahedron Letters, 2008, 49, 6693-6697.	0.7	57
49	Oxidation of olefins with H₂O₂ catalysed by salts of group III metals (Ga, In,) Tj ETQq1 1 0.784314 rgBT /Ov 1343-1356.	2.1	57
50	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. Inorganica Chimica Acta, 2017, 455, 666-676.	1.2	56
51	Unusual Tri-, Hexa-, and Nonanuclear Cu(II) Cage Methylsilsesquioxanes: Synthesis, Structures, and Catalytic Activity in Oxidations with Peroxides. Inorganic Chemistry, 2017, 56, 4093-4103.	1.9	54
52	Binuclear Cageâ€Like Copper(II) Silsesquioxane (â€œCooling Towerâ€) â€“ Its High Catalytic Activity in the Oxidation of Benzene and Alcohols. European Journal of Inorganic Chemistry, 2013, 2013, 5240-5246.	1.0	53
53	A heterometallic (Fe₆Na₈) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. RSC Advances, 2016, 6, 48165-48180.	1.7	53
54	Oxidations by the system â€œhydrogen peroxideâ€“[Mn2L2O3][PF6]2 (L=1,4,7-trimethyl-1,4,7-triazacyclononane)â€“oxalic acidâ€• Part 6. Oxidation of methane and other alkanes and olefins in water. Journal of Organometallic Chemistry, 2005, 690, 4498-4504.	0.8	52

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55	Regioselective alkane oxygenation with H2O2 catalyzed by titanosilicalite TS-1. Tetrahedron Letters, 2006, 47, 3071-3075.	0.7	52
56	Oxidation of C-H compounds with peroxides catalyzed by polynuclear transition metal complexes in Si- or Ge-sesquioxane frameworks: AÂreview. Journal of Organometallic Chemistry, 2017, 849-850, 201-218.	0.8	52
57	Oxidation of hydrocarbons with hydrogen peroxide catalyzed by maltolato vanadium complexes covalently bonded to silica gel. Catalysis Communications, 2007, 8, 1516-1520.	1.6	51
58	High Catalytic Activity of Vanadium Complexes in Alkane Oxidations with Hydrogen Peroxide: An Effect of 8-Hydroxyquinoline Derivatives as Noninnocent Ligands. Inorganic Chemistry, 2018, 57, 1824-1839.	1.9	51
59	Limonene epoxidation with H2O2 promoted by Al2O3: Kinetic study, experimental design. Journal of Catalysis, 2014, 319, 71-86.	3.1	50
60	Oxidation of saturated hydrocarbons with peroxyacetic acid catalyzed by vanadium complexes. Journal of Molecular Catalysis A, 2004, 218, 171-177.	4.8	49
61	Oxidations catalyzed by osmium compounds. Part 1: Efficient alkane oxidation with peroxides catalyzed by an olefin carbonyl osmium(0) complex. Journal of Organometallic Chemistry, 2006, 691, 837-845.	0.8	49
62	Oxidation of isoeugenol to vanillin by the â€œH2O2â€“vanadateâ€“pyrazine-2-carboxylic acidâ€•reagent. Journal of Molecular Catalysis A, 2012, 363-364, 140-147.	4.8	49
63	Oxidation of alkanes and alcohols with hydrogen peroxide catalyzed by complex Os₃(CO)₁₀(Âµâ€H)₂. Applied Organometallic Chemistry, 2010, 24, 464-472.	1.7	48
64	Alkane oxygenation with H2O2 catalysed by FeCl3 and 2,2â€²-bipyridine. Tetrahedron Letters, 2005, 46, 4563-4567.	0.7	47
65	Radical decomposition of hydrogen peroxide catalyzed by aqua complexes [M(H2O)]2+ (M = Be, Zn, Cd). Journal of Catalysis, 2014, 313, 135-148.	3.1	47
66	Aerobic oxidation of saturated hydrocarbons into alkyl hydroperoxides induced by visible light and catalysed by a â€˜quinoneâ€“copper acetateâ€™ system. Journal of the Chemical Society Perkin Transactions II, 1995, , 1465-1469.	0.9	46
67	Alkane oxidation with peroxides catalyzed by cage-like copper(<scp>ii</scp>) silsesquioxanes. New Journal of Chemistry, 2015, 39, 187-199.	1.4	46
68	Oxidations by the reagent â€œO2â€“H2O2â€“vanadium derivativeâ€“pyrazine-2-carboxylic acidâ€• Part 13.For parts 1â€“12 see refs. 4(a)â€“(l), respectively. Kinetics and mechanism of the benzene hydroxylation. New Journal of Chemistry, 2003, 27, 634-638.	1.4	45
69	Oxidation of Reactive Alcohols with Hydrogen Peroxide Catalyzed by Manganese Complexes. Catalysis Letters, 2010, 138, 193-204.	1.4	45
70	Copper(<scp>ii</scp>) complexes with 2,2â€²:6â€²,2â€²â€²-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. Dalton Transactions, 2019, 48, 12656-12673.	1.6	44
71	Ferric chloride catalyzed photooxidation of alkanes by air in organic solvents. Reaction Kinetics and Catalysis Letters, 1990, 41, 239-243.	0.6	43
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	New oxidovanadium(<scp>iv</scp>) complex with a BIAN ligand: synthesis, structure, redox properties and catalytic activity. New Journal of Chemistry, 2018, 42, 16200-16210.	1.4	42
74	Cyclopentadienyl cobalt(III) complexes: Synthetic and catalytic chemistry. Coordination Chemistry Reviews, 2019, 387, 1-31.	9.5	41
75	Oxygenation of alkanes with hydrogen peroxide catalysed by osmium complexes. Chemical Communications, 2000, , 1131-1132.	2.2	40
76	A unique rate-accelerating effect of certain amino acids in the H2O2 oxidation of alkanes catalyzed by a dinuclear manganese complex containing 1,4,7-trimethyl-1,4,7-triazacyclononane. Tetrahedron, 2007, 63, 7997-8001.	1.0	40
77	Decamethylosmocene-catalyzed efficient oxidation of saturated and aromatic hydrocarbons and alcohols with hydrogen peroxide in the presence of pyridineâ˜†. Journal of Catalysis, 2011, 277, 164-172.	3.1	40
78	Oxidation of Olefins with Hydrogen Peroxide Catalyzed by Bismuth Salts: A Mechanistic Study. ACS Catalysis, 2015, 5, 3823-3835.	5.5	40
79	High-Cluster (Cu₉) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. Inorganic Chemistry, 2018, 57, 11524-11529.	1.9	40
80	Activation of the Câ€“H bond by metal complexes. Russian Chemical Reviews, 1990, 59, 853-866.	2.5	39
81	Alkane oxidation by the system â€˜tertâ€butyl hydroperoxideâ€“[Mn₂L₂O₃][PF₆]₂ (Lâ€‰=â€‰1,4,7â€trimethylâ€1,4,7â€triazacyclononane)â€“carboxylic acidâ€™. Journal of Physical Organic Chemistry, 2008, 21, 119-126.	0.9	39
82	Oxidation of hydrocarbons with H₂O₂/O₂catalyzed by osmium complexes containing p-cymene ligands in acetonitrile. Catalysis Science and Technology, 2014, 4, 3214-3226.	2.1	38
83	Oxidation of alkanes with m-chloroperbenzoic acid catalyzed by iron(III) chloride and a polydentate amine. Journal of Molecular Catalysis A, 2004, 219, 255-264.	4.8	37
84	High Catalytic Activity of Heterometallic (Fe6Na7 and Fe6Na6) Cage Silsesquioxanes in Oxidations with Peroxides. Catalysts, 2017, 7, 101.	1.6	37
85	Oxidations by the system â˜hydrogen peroxideâ€“[Mn2L2O3]2+ (L=1,4,7-trimethyl-1,4,7-triazacyclononane)â€“oxalic acidâ€™. Part 11. Degradation of dye Rhodamine 6G and oxygenation of cyclohexene. Journal of Molecular Catalysis A, 2009, 299, 77-87.	4.8	36
86	Cageâ€like Fe,Naâ€Germsesquioxanes: Structure, Magnetism, and Catalytic Activity. Angewandte Chemie - International Edition, 2016, 55, 15360-15363.	7.2	36
87	Si₁₀Cu₆N₄ Cage Hexacoppersilsesquioxanes Containing N Ligands: Synthesis, Structure, and High Catalytic Activity in Peroxide Oxidations. Inorganic Chemistry, 2017, 56, 15026-15040.	1.9	36
88	Aerobic hydroxylation of hydrocarbons catalysed by vanadate ion. Journal of Molecular Catalysis A, 2003, 197, 65-71.	4.8	34
89	Stable organoplatinum complexes as intermediates and models inÂhydrocarbon functionalization. Journal of Organometallic Chemistry, 2015, 793, 4-16.	0.8	33
90	Ionic Complexes of Tetraâ€and Nonanuclear Cage Copper(II) Phenylsilsesquioxanes: Synthesis and High Activity in Oxidative Catalysis. ChemCatChem, 2017, 9, 4437-4447.	1.8	33

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91	Metal Complexes Containing Redox-Active Ligands in Oxidation of Hydrocarbons and Alcohols: A Review. Catalysts, 2019, 9, 1046.	1.6	33
92	Novel Cage-Like Hexanuclear Nickel(II) Silsesquioxane. Synthesis, Structure, and Catalytic Activity in Oxidations with Peroxides. Molecules, 2016, 21, 665.	1.7	32
93	Mild oxidative alkane functionalization with peroxides in the presence of ferrocene. Catalysis Communications, 2013, 31, 32-36.	1.6	31
94	Mild and Regioselective Hydroxylation of Methyl Group in Neocuproine: Approach to an N,O-Ligated Cu₆ Cage Phenylsilsesquioxane. Organometallics, 2018, 37, 168-171.	1.1	31
95	Ferrocenophanes. Russian Chemical Reviews, 1974, 43, 716-732.	2.5	29
96	Photoinduced reactions of PtCl62â€“with saturated hydrocarbons and other Câ€“H containing compounds. Journal of the Chemical Society Chemical Communications, 1983, , 671-672.	2.0	29
97	Simple soluble Bi(<scp>iii</scp>) salts as efficient catalysts for the oxidation of alkanes with H₂O₂. Catalysis Science and Technology, 2015, 5, 2174-2187.	2.1	29
98	Stereoselective Alkane Oxidation with meta-Chloroperoxybenzoic Acid (MCPBA) Catalyzed by Organometallic Cobalt Complexes. Molecules, 2016, 21, 1593.	1.7	29
99	Catalytic functionalization of methane. Applied Organometallic Chemistry, 2000, 14, 623-628.	1.7	28
100	Oxidation reactions catalyzed by osmium compounds. Part 4. Highly efficient oxidation of hydrocarbons and alcohols including glycerol by the H2O2/Os3(CO)12/pyridine reagent. RSC Advances, 2013, 3, 15065.	1.7	28
101	Highly efficient oxidation of alcohols by the system "hydrogen peroxide-[Imn(o)3mnl](pf6)2 (l =) Tj ETQq1 1 0.784314 rgBT /Ov 88, 339-348.	0.6	27
102	Hydrogen Peroxide Oxygenation of Saturated and Unsaturated Hydrocarbons Catalyzed by Montmorillonite or Aluminum Oxide. Catalysis Letters, 2009, 132, 235-243.	1.4	27
103	Kinetics and mechanism of alkane hydroperoxidation with tert-butyl hydroperoxide catalysed by a vanadate anion. Organic and Biomolecular Chemistry, 2003, 1, 2303.	1.5	26
104	Oxidation of alcohols with hydrogen peroxide catalyzed by soluble iron and osmium derivativesÂ. Reaction Kinetics and Catalysis Letters, 2006, 88, 157-163.	0.6	26
105	Heptanuclear Cage Cu^{II}â€Silsesquioxanes: Synthesis, Structure and Catalytic Activity. European Journal of Inorganic Chemistry, 2018, 2018, 2505-2511.	1.0	26
106	Novel Oxidovanadium Complexes with Redox-Active R-Mian and R-Bian Ligands: Synthesis, Structure, Redox and Catalytic Properties. Molecules, 2021, 26, 5706.	1.7	26
107	Oxidation of alkanes and benzene with hydrogen peroxide catalyzed by ferrocene in the presence of acids. Journal of Organometallic Chemistry, 2015, 793, 217-231.	0.8	25
108	Heptanuclear Fe₅Cu₂-Phenylgermsesquioxane containing 2,2â€²-Bipyridine: Synthesis, Structure, and Catalytic Activity in Oxidation of Câ€“H Compounds. Inorganic Chemistry, 2018, 57, 528-534.	1.9	25

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109	Iron(III) Chloride Catalysed Photooxygenation of Alcohol Solutions of Alkanes by Atmospheric Oxygen. Mendeleev Communications, 1992, 2, 36-37.	0.6	24
110	Peroxyacetic Acid Oxidation of Olefins and Alkanes Catalyzed by a Dinuclear Manganese(IV) Complex with 1,4,7-trimethyl-1,4,7-triazacyclononane. Catalysis Letters, 2007, 118, 22-29.	1.4	24
111	New p-tolylimido rhenium(<scp>v</scp>) complexes with carboxylate-based ligands: synthesis, structures and their catalytic potential in oxidations with peroxides. Dalton Transactions, 2014, 43, 5759-5776.	1.6	24
112	New Oxidovanadium(IV) Complexes with 2,2â€²-bipyridine and 1,10-phenathroline Ligands: Synthesis, Structure and High Catalytic Activity in Oxidations of Alkanes and Alcohols with Peroxides. Catalysts, 2019, 9, 217.	1.6	24
113	Palanquin-Like Cu4Na4 Silsesquioxane Synthesis (via Oxidation of 1,1-bis(Diphenylphosphino)methane), Structure and Catalytic Activity in Alkane or Alcohol Oxidation with Peroxides. Catalysts, 2019, 9, 154.	1.6	24
114	Family of penta- and hexanuclear metallasilsesquioxanes: Synthesis, structure and catalytic properties in oxidations. Journal of Organometallic Chemistry, 2018, 867, 133-141.	0.8	23
115	Dinuclear manganese complexes containing 1,4-dimethyl-1,4,7-triazacyclononane ligands as well as carboxylato and oxo bridges. Inorganica Chimica Acta, 2006, 359, 1619-1626.	1.2	22
116	Oxidation of Saturated Hydrocarbons to Alkyl Hydroperoxides by a â€˜H2O2/Titanosilicalite-1/NaOH/MeCNâ€™ System. Catalysis Letters, 2008, 123, 135-141.	1.4	22
117	Oxidation of hydrocarbons and alcohols with peroxides catalyzed by new Ï€-cymene osmium complexes. Journal of Organometallic Chemistry, 2015, 784, 52-61.	0.8	22
118	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. Inorganic Chemistry, 2020, 59, 4536-4545.	1.9	22
119	Hexacoppergermsesquioxanes as complexes with N-ligands: Synthesis, structure and catalytic properties. Journal of Organometallic Chemistry, 2019, 884, 17-28.	0.8	21
120	Carvone epoxidation by system â€œhydrogen peroxide-[Mn2L2O3][PF6]2 (L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (1,4,7-trim optimizationÂ. Reaction Kinetics and Catalysis Letters, 2006, 88, 165-173.	0.6	18
121	A new â€œbicycle helmetâ€•like copper(<scp>ii</scp>),sodiumphenylsilsesquioxane. Synthesis, structure and catalytic activity. Dalton Transactions, 2018, 47, 15666-15669.	1.6	18
122	Copper complexes with 1,10-phenanthrolines as efficient catalysts for oxidation of alkanes by hydrogen peroxide. Inorganica Chimica Acta, 2020, 512, 119889.	1.2	17
123	Oxidative functionalization of Câ€“H compounds induced by the extremely efficient osmium catalysts (a) Tj ETQq1 1 0.784314 rgBT	2.1	16
124	Oxidation of Organic Compounds with Peroxides Catalyzed by Polynuclear Metal Compounds. Catalysts, 2021, 11, 186.	1.6	16
125	Alkane Oxygenation with Hydrogen Peroxide Catalysed by Soluble Derivatives of Nickel and Platinum. Journal of Chemical Research, 2002, 2002, 351-353.	0.6	15
126	Oxidations by the system â€œhydrogen peroxideâ€“dinuclear manganese(IV) complexâ€“carboxylic acidâ€• Journal of Molecular Catalysis A, 2004, 222, 103-119.	4.8	15

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127	Oxygenation of saturated and aromatic hydrocarbons with H2O2 catalysed by the carbonyl thiophenolate iron complex (OC)3Fe(PhS)2Fe(CO)3. Catalysis Today, 2013, 218-219, 93-98.	2.2	15
128	Oxidation of hydroxyacetone (acetol) with hydrogen peroxide in acetonitrile solution catalyzed by iron(III) chloride. Journal of Molecular Catalysis A, 2016, 422, 103-114.	4.8	15
129	New Cu4Na4- and Cu5-Based Phenylsilsesquioxanes. Synthesis via Complexation with 1,10-Phenanthroline, Structures and High Catalytic Activity in Alkane Oxidations with Peroxides in Acetonitrile. Catalysts, 2019, 9, 701.	1.6	15
130	Aerobic photooxidation and Câ€“C bond cleavage of the acetylacetonate ligand in (2-arylazo)arylpalladium(II) complexes induced by visible light. Journal of the Chemical Society Dalton Transactions, 1994, , 1505-1509.	1.1	14
131	Dinuclear iron, ruthenium and cobalt complexes containing 1,4-dimethyl-1,4,7-triazacyclononane ligands as well as carboxylato and oxo or hydroxo bridges. Inorganica Chimica Acta, 2006, 359, 3297-3305.	1.2	14
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