## Ronny Neumann

List of Publications by Year in descending order

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179 179 179 6971 all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	A ruthenium-substituted polyoxometalate as an inorganic dioxygenase for activation of molecular oxygen. Nature, 1997, 388, 353-355.	27.8	354
2	Polyoxometalate Complexes in Organic Oxidation Chemistry. Progress in Inorganic Chemistry, 2007, , 317-370.	3.0	273
3	Dioxygen in Polyoxometalate Mediated Reactions. Chemical Reviews, 2018, 118, 2680-2717.	47.7	272
4	New Heterogeneous Polyoxometalate Based Mesoporous Catalysts for Hydrogen Peroxide Mediated Oxidation Reactions. Journal of the American Chemical Society, 2004, 126, 884-890.	13.7	237
5	Photoreduction of Carbon Dioxide to Carbon Monoxide with Hydrogen Catalyzed by a Rhenium(I) Phenanthrolineâ^'Polyoxometalate Hybrid Complex. Journal of the American Chemical Society, 2011, 133, 188-190.	13.7	206
6	A Water-Soluble and "Self-Assembled―Polyoxometalate as a Recyclable Catalyst for Oxidation of Alcohols in Water with Hydrogen Peroxide. Journal of the American Chemical Society, 2003, 125, 5280-5281.	13.7	202
7	Activation of Molecular Oxygen, Polyoxometalates, and Liquid-Phase Catalytic Oxidation. Inorganic Chemistry, 2010, 49, 3594-3601.	4.0	187
8	Carbonâ^'Carbon and Carbonâ^'Nitrogen Coupling Reactions Catalyzed by Palladium Nanoparticles Derived from a Palladium Substituted Keggin-Type Polyoxometalate. Organic Letters, 2002, 4, 3529-3532.	4.6	185
9	Mild, Aqueous, Aerobic, Catalytic Oxidation of Methane to Methanol and Acetaldehyde Catalyzed by a Supported Bipyrimidinylplatinumâ^'Polyoxometalate Hybrid Compound. Journal of the American Chemical Society, 2004, 126, 10236-10237.	13.7	183
10	Molecular oxygen and oxidation catalysis by phosphovanadomolybdates. Chemical Communications, 2006, , 2529.	4.1	175
11	Electron and Oxygen Transfer in Polyoxometalate, H5PV2Mo10O40, Catalyzed Oxidation of Aromatic and Alkyl Aromatic Compounds:Â Evidence for Aerobic Marsâ^'van Krevelen-Type Reactions in the Liquid Homogeneous Phase. Journal of the American Chemical Society, 2001, 123, 8531-8542.	13.7	174
12	Alkene oxidation catalyzed by a ruthenium-substituted heteropolyanion, SiRu(L)W11O39: the mechanism of the periodate-mediated oxidative cleavage. Journal of the American Chemical Society, 1990, 112, 6025-6031.	13.7	170
13	Selective aerobic oxidative dehydrogenation of alcohols and amines catalyzed by a supported molybdenum-vanadium heteropolyanion salt Na5PMo2V2O40. Journal of Organic Chemistry, 1991, 56, 5707-5710.	3.2	166
14	Polyethylene glycol as a non-ionic liquid solvent for polyoxometalate catalyzed aerobic oxidation. Chemical Communications, 2002, , 876-877.	4.1	159
15	Electrophilic Activation of Hydrogen Peroxide:  Selective Oxidation Reactions in Perfluorinated Alcohol Solvents. Organic Letters, 2000, 2, 2861-2863.	4.6	158
16	Aerobic oxidative dehydrogenations catalyzed by the mixed-addenda heteropolyanion PV2Mo10O405-: a kinetic and mechanistic study Journal of the American Chemical Society, 1992, 114, 7278-7286.	13.7	151
17	Molecular Oxygen Activation by a Ruthenium-Substituted "Sandwich―Type Polyoxometalate. Journal of the American Chemical Society, 1998, 120, 11969-11976.	13.7	150
18	Phenanthroline Decorated by a Crown Ether as a Module for Metallorganicâ^'Polyoxometalate Hybrid Catalysts: The Wacker Type Oxidation of Alkenes with Nitrous Oxide as Terminal Oxidant. Journal of the American Chemical Society, 2009, 131, 4-5.	13.7	142

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19	Photochemical Reduction of Carbon Dioxide Catalyzed by a Rutheniumâ€Substituted Polyoxometalate. Chemistry - A European Journal, 2010, 16, 1356-1364.	3.3	142
20	Selective Aerobic Oxidation of Alcohols with a Combination of a Polyoxometalate and Nitroxyl Radical as Catalysts. Journal of Organic Chemistry, 2001, 66, 8650-8653.	3.2	140
21	Organometallicâ^'Polyoxometalate Hybrid Compounds:  Metallosalen Compounds Modified by Keggin Type Polyoxometalates. Inorganic Chemistry, 2003, 42, 3677-3684.	4.0	131
22	Alkylated Polyethyleneimine/Polyoxometalate Synzymes as Catalysts for the Oxidation of Hydrophobic Substrates in Water with Hydrogen Peroxide. Journal of the American Chemical Society, 2004, 126, 11762-11763.	13.7	131
23	Oxygen Transfer from Sulfoxides:Â Oxidation of Alkylarenes Catalyzed by a Polyoxomolybdate, [PMo12O40]3 Journal of the American Chemical Society, 2002, 124, 4198-4199.	13.7	125
24	Synthesis of Dendritic Polyoxometalate Complexes Assembled by Ionic Bonding and Their Function as Recoverable and Reusable Oxidation Catalysts. Angewandte Chemie - International Edition, 2004, 43, 2924-2928.	13.8	125
25	Aqueous Biphasic Oxidation: A Water-Soluble Polyoxometalate Catalyst for Selective Oxidation of Various Functional Groups with Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2004, 346, 339-345.	4.3	125
26	Strategies for oxidation catalyzed by polyoxometalates at the interface of homogeneous and heterogeneous catalysis. Topics in Catalysis, 2005, 34, 93-99.	2.8	117
27	Aromatization of hydrocarbons by oxidative dehydrogenation catalyzed by the mixed addenda heteropoly acid H5PMo10V2O40. Journal of Organic Chemistry, 1989, 54, 4607-4610.	3.2	111
28	A Thiourea Tether in the Second Coordination Sphere as a Binding Site for CO <sub>2</sub> and a Proton Donor Promotes the Electrochemical Reduction of CO <sub>2</sub> to CO Catalyzed by a Rhenium Bipyridine-Type Complex. Journal of the American Chemical Society, 2018, 140, 12451-12456.	13.7	111
29	Electron Transferâ^'Oxygen Transfer Oxygenation of Sulfides Catalyzed by the H <sub>5</sub> PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> Polyoxometalate. Journal of the American Chemical Society, 2010, 132, 11446-11448.	13.7	109
30	A Highly Chemoselective, Diastereoselective, and Regioselective Epoxidation of Chiral Allylic Alcohols with Hydrogen Peroxide, Catalyzed by Sandwich-Type Polyoxometalates:Â Enhancement of Reactivity and Control of Selectivity by the Hydroxy Group through Metalâ 'Alcoholate Bonding. Journal of Organic Chemistry, 2003, 68, 1721-1728.	3.2	107
31	Oxidative Câ^'C Bond Cleavage of Primary Alcohols and Vicinal Diols Catalyzed by H <sub>5</sub> PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> by an Electron Transfer and Oxygen Transfer Reaction Mechanism. Journal of the American Chemical Society, 2008, 130, 14474-14476.	13.7	103
32	Activation of Nitrous Oxide and Selective Epoxidation of Alkenes Catalyzed by the Manganese-Substituted Polyoxometalate, [MnIII2ZnW(Zn2W9O34)2]10 Journal of the American Chemical Society, 2002, 124, 8788-8789.	13.7	102
33	Hydroxylation of Alkanes with Molecular Oxygen Catalyzed by a New Ruthenium-Substituted Polyoxometalate, [WZnRu2lll(OH)(H2O)(ZnW9O34)2]11â°'. Angewandte Chemie International Edition in English, 1995, 34, 1587-1589.	4.4	97
34	Electrophilic Aromatic Chlorination and Haloperoxidation of Chloride Catalyzed by Polyfluorinated Alcohols:Â A New Manifestation of Template Catalysis. Journal of the American Chemical Society, 2003, 125, 12116-12117.	13.7	94
35	Characterization of Manganese(V)â <sup>-</sup> Oxo Polyoxometalate Intermediates and Their Properties in Oxygen-Transfer Reactions. Journal of the American Chemical Society, 2006, 128, 15451-15460.	13.7	92
36	The High-Valent Ironâ^'Oxo Species of Polyoxometalate, if It Can Be Made, Will Be a Highly Potent Catalyst for Câ^'H Hydroxylation and Double-Bond Epoxidation. Journal of the American Chemical Society, 2005, 127, 17712-17718.	13.7	90

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37	Solvent-Anchored Supported Liquid Phase Catalysis: Polyoxometalate-Catalyzed Oxidations. Angewandte Chemie International Edition in English, 1997, 36, 1738-1740.	4.4	87
38	Switch of the Rate-Determining Step of Water Oxidation by Spin-Selected Electron Transfer in Spinel Oxides. Chemistry of Materials, 2019, 31, 8106-8111.	6.7	87
39	Oxidations with hydrogen peroxide catalysed by the [WZnMn(II)2(ZnW9O34)2]12â^' polyoxometalate. Tetrahedron, 1996, 52, 8781-8788.	1.9	83
40	Preparation and Characterization of New Ruthenium and Osmium Containing Polyoxometalates, $[M(DMSO)3Mo7O24]4-(M = Ru(II), Os(II))$ , and Their Use as Catalysts for the Aerobic Oxidation of Alcohols. Inorganic Chemistry, 2003, 42, 3331-3339.	4.0	82
41	Oxidation of activated phenols by dioxygen catalysed by the H5PV2Mo10O40 heteropolyanion. Tetrahedron Letters, 1992, 33, 1795-1798.	1.4	81
42	Low-Temperature Activation of Dioxygen and Hydrocarbon Oxidation Catalyzed by a Phosphovanadomolybdate: Evidence for a Mars–van Krevelen Type Mechanism in a Homogeneous Liquid Phase. Angewandte Chemie - International Edition, 2000, 39, 4088-4090.	13.8	80
43	Activation of Nitrous Oxide and Selective Oxidation of Alcohols and Alkylarenes Catalyzed by the [PV2Mo10O40]5â° Polyoxometalate Ion. Angewandte Chemie - International Edition, 2003, 42, 92-95.	13.8	79
44	Titanium Phosphonate Porous Materials Constructed from Dendritic Tetraphosphonates. Chemistry - A European Journal, 2006, 12, 3507-3514.	3.3	79
45	Oxygenation of Methylarenes to Benzaldehyde Derivatives by a Polyoxometalate Mediated Electron Transfer–Oxygen Transfer Reaction in Aqueous Sulfuric Acid. Journal of the American Chemical Society, 2015, 137, 5916-5922.	13.7	78
46	Synthesis, characterization and catalytic activity of a Wilkinson's type metal-organic–polyoxometalate hybrid compound. Chemical Communications, 2003, , 2690-2691.	4.1	77
47	Aerobic Carbon–Carbon Bond Cleavage of Alkenes to Aldehydes Catalyzed by First-Row Transition-Metal-Substituted Polyoxometalates in the Presence of Nitrogen Dioxide. Journal of the American Chemical Society, 2014, 136, 10941-10948.	13.7	77
48	Direct aerobic epoxidation of alkenes catalyzed by metal nanoparticles stabilized by the H5PV2Mo10O40 polyoxometalate. Chemical Communications, 2005, , 4595.	4.1	76
49	Polyfluorinated Quaternary Ammonium Salts of Polyoxometalate Anions:  Fluorous Biphasic Oxidation Catalysis with and without Fluorous Solvents. Organic Letters, 2003, 5, 3547-3550.	4.6	75
50	An Efficient, Catalytic, Aerobic, Oxidative Iodination of Arenes Using the H5PV2Mo10O40 Polyoxometalate as Catalyst. Journal of Organic Chemistry, 2003, 68, 9510-9512.	3.2	73
51	Selective Ortho Hydroxylation of Nitrobenzene with Molecular Oxygen Catalyzed by the H5PV2Mo10O40Polyoxometalate. Journal of the American Chemical Society, 2005, 127, 9988-9989.	13.7	72
52	Polyoxometalate-mediated electron transfer–oxygen transfer oxidation of cellulose and hemicellulose to synthesis gas. Nature Communications, 2014, 5, 4621.	12.8	72
53	An Example of Lipophiloselectivity:Â The Preferred Oxidation, in Water, of Hydrophobic 2-Alkanols Catalyzed by a Cross-Linked Polyethyleneimineâ°Polyoxometalate Catalyst Assembly. Journal of the American Chemical Society, 2006, 128, 15697-15700.	13.7	71
54	Real-time molecular scale observation of crystal formation. Nature Chemistry, 2017, 9, 369-373.	13.6	69

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55	Reaction of Aldehydes with the H5PV2Mo10O40Polyoxometalate and Cooxidation of Alkanes with Molecular Oxygen. Journal of Catalysis, 1999, 182, 82-91.	6.2	67
56	Computer-Generated High-Valent Iron-Oxo and Manganese-Oxo Species with Polyoxometalate Ligands: How do they Compare with the Iron-Oxo Active Species of Heme Enzymes?. Angewandte Chemie - International Edition, 2004, 43, 5661-5665.	13.8	67
57	Polyoxometalates as Reduction Catalysts: Deoxygenation and Hydrogenation of Carbonyl Compounds. Angewandte Chemie - International Edition, 1999, 38, 3331-3334.	13.8	66
58	Phenanthrolineâ Polyoxometalate Hybrid Compounds and the Observation of Intramolecular Charge Transfer. Inorganic Chemistry, 2005, 44, 4900-4902.	4.0	65
59	Oxybromination catalysed by the heteropolyanion compound H5PMo10V2O40 in an organic medium: selective para-bromination of phenol. Journal of the Chemical Society Chemical Communications, 1988, , 1285.	2.0	64
60	Alkene oxidation in water using hydrophobic silica particles derivatized with polyoxometalates as catalysts. Journal of the Chemical Society Chemical Communications, 1995, , 2277.	2.0	64
61	Preparation, Characterizaton, and Catalytic Aerobic Oxidation by a Vanadium Phosphonate Mesoporous Material Constructed from a Dendritic Tetraphosphonate. Chemistry of Materials, 2006, 18, 2781-2783.	6.7	64
62	Photochemical Reduction of CO <sub>2</sub> with Visible Light Using a Polyoxometalate as Photoreductant. Chemistry - A European Journal, 2017, 23, 92-95.	3.3	63
63	Aerobic Oxidation of Vicinal Diols Catalyzed by an Anderson-Type Polyoxometalate, [IMo6O24]5. Advanced Synthesis and Catalysis, 2002, 344, 1017-1021.	4.3	62
64	Quinones as Co-Catalysts and Models for the Surface of Active Carbon in the Phosphovanadomolybdate-Catalyzed Aerobic Oxidation of Benzylic and Allylic Alcohols: Synthetic, Kinetic, and Mechanistic Aspects. Chemistry - A European Journal, 2000, 6, 875-882.	3.3	61
65	Palladium Nanoparticles Stabilized by Alkylated Polyethyleneimine as Aqueous Biphasic Catalysts for the Chemoselective Stereocontrolled Hydrogenation of Alkenes. Organic Letters, 2006, 8, 5445-5448.	4.6	60
66	Title is missing!. Catalysis Letters, 1999, 63, 189-192.	2.6	58
67	Oxygen Transfer from Sulfoxides:Â Selective Oxidation of Alcohols Catalyzed by Polyoxomolybdates. Journal of Organic Chemistry, 2002, 67, 7075-7079.	3.2	58
68	Photoreduction Mechanism of CO <sub>2</sub> to CO Catalyzed by a Rhenium(I)–Polyoxometalate Hybrid Compound. ACS Catalysis, 2016, 6, 6422-6428.	11.2	58
69	Computational Insight into the Initial Steps of the Mars–van Krevelen Mechanism: Electron Transfer and Surface Defects in the Reduction of Polyoxometalates. Journal of the American Chemical Society, 2012, 134, 20669-20680.	13.7	54
70	Synthesis, Catalytic Activity in Oxidation Reactions, and Recyclability of Stable Polyoxometalate-Centred Dendrimers. Advanced Synthesis and Catalysis, 2004, 346, 1445-1448.	4.3	53
71	Highly efficient recycling of a "sandwich―type polyoxometalate oxidation catalyst using solvent resistant nanofiltration. Chemical Communications, 2005, , 1206-1208.	4.1	53
72	The Nickel-Substituted Quasi-Wells-Dawson-Type Polyfluoroxometalate, [Nill(H2O)H2F6NaW17O55]9â^', as a Uniquely Active Nickel-Based Catalyst for the Activation of Hydrogen Peroxide and the Epoxidation of Alkenes and Alkenols. Chemistry - A European Journal, 2000, 6, 3722-3728.	3.3	51

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73	Preferential catalytic hydrogenation of aromatic compounds versus ketones with a palladium substituted polyoxometalate as pre-catalyst. New Journal of Chemistry, 2002, 26, 272-274.	2.8	51
74	Aerobic Oxidation of Primary Aliphatic Alcohols to Aldehydes Catalyzed by a Palladium(II) Polyoxometalate Catalyst. Advanced Synthesis and Catalysis, 2010, 352, 293-298.	4.3	51
75	Ruthenium substituted Keggin type polyoxomolybdates: synthesis, characterization and use as bifunctional catalysts for the epoxidation of alkenes by molecular oxygen. Polyhedron, 1998, 17, 3557-3564.	2.2	50
76	Selective aerobic oxidation in supercritical carbon dioxide catalyzed by the H5PV2Mo10O40 polyoxometalate. Chemical Communications, 2006, , 2230.	4.1	48
77	Electron Transfer Oxidation of Benzene and Aerobic Oxidation to Phenol. ACS Catalysis, 2016, 6, 6403-6407.	11.2	48
78	Visibleâ€Light Photochemical Reduction of CO <sub>2</sub> to CO Coupled to Hydrocarbon Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 6219-6223.	13.8	48
79	A new non-metal heterogeneous catalyst for the activation of hydrogen peroxide: a perfluorinated ketone attached to silica for oxidation of aromatic amines and alkenes. Chemical Communications, 2001, , 487-488.	4.1	46
80	A Stable "Endâ€On―Iron(III)–Hydroperoxo Complex in Water Derived from a Multiâ€Iron(II)â€Substituted Polyoxometalate and Molecular Oxygen. Angewandte Chemie - International Edition, 2008, 47, 9908-9912.	13.8	45
81	Protonation of Phosphovanadomolybdates H <sub>3+<i>x</i></sub> PV <sub><i>x</i></sub> Mo <sub>12–<i>x</i></sub> O <sub>40</sub> : Computational Insight Into Reactivity. Journal of Physical Chemistry A, 2011, 115, 4811-4826.	2.5	40
82	Dendritic Phosphonates and thein situ Assembly of Polyperoxophosphotungstates: Synthesis and Catalytic Epoxidation of Alkenes with Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2005, 347, 39-44.	4.3	39
83	Aqueous biphasic catalysis with polyoxometalates: Oximation of ketones and aldehydes with aqueous ammonia and hydrogen peroxide. Green Chemistry, 2006, 8, 679.	9.0	39
84	Stabilization of Palladium Nanoparticles by Polyoxometalates Appended with Alkylthiol Tethers and their Use as Binary Catalysts for Liquid Phase Aerobic Oxydehydrogenation. Advanced Synthesis and Catalysis, 2007, 349, 1624-1628.	4.3	39
85	Polyoxometalate-Catalyzed Insertion of Oxygen from O2 into Tin–Alkyl Bonds. Journal of the American Chemical Society, 2013, 135, 19304-19310.	13.7	38
86	Oxidation of Alkylarenes by Nitrate Catalyzed by Polyoxophosphomolybdates:Â Synthetic Applications and Mechanistic Insights. Journal of the American Chemical Society, 2004, 126, 6356-6362.	13.7	37
87	Desulfurization of Hydrocarbons by Electron Transfer Oxidative Polymerization of Heteroaromatic Sulfides Catalyzed by H <sub>5</sub> PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> Polyoxometalate. ChemSusChem, 2011, 4, 346-348.	6.8	37
88	Inorganic compounds and materials as catalysts for oxidations with aqueous hydrogen peroxide. Journal of Molecular Catalysis A, 2006, 251, 185-193.	4.8	36
89	Direct Aerobic Oxidation of Secondary Alcohols Catalysed by Pt(0) Nanoparticles Stabilized by PV2Mo10O40 5∠Polyoxmetalate. Catalysis Letters, 2008, 123, 41-45.	2.6	36
90	Redirection of Oxidation Reactions by a Polyoxomolybdate:Â Oxydehydrogenation Instead of Oxygenation of Alkanes withtert-Butylhydroperoxide in Acetic Acid. Journal of the American Chemical Society, 2001, 123, 6437-6438.	13.7	35

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91	Highâ€Field Pulsed EPR Spectroscopy for the Speciation of the Reduced [PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> ] <sup>6â^'</sup> Polyoxometalate Catalyst Used in Electronâ€Transfer Oxidations. Chemistry - A European Journal, 2010, 16, 10014-10020.	3.3	35
92	Reactivity and O $<$ sub $>$ 2 $<$ /sub $>$ Formation by Mn(IV)- and Mn(V)-Hydroxo Species Stabilized within a Polyfluoroxometalate Framework. Journal of the American Chemical Society, 2015, 137, 8738-8748.	13.7	33
93	Inorganic–organic hybrid materials based on keggin type polyoxometalates and organic polyammonium cations. Journal of Molecular Structure, 2003, 656, 27-35.	3.6	32
94	Catalysts for Monooxygenations Made from Polyoxometalate:Â An Iron(V)â^'Oxo Derivative of the Lindqvist Anion. Inorganic Chemistry, 2006, 45, 8655-8663.	4.0	32
95	Antimony-Substituted Keggin-Type Polyoxomolybdates: Polar Crystals and Catalytic Oxidative Dehydrogenation of Alcohols. European Journal of Inorganic Chemistry, 2001, 2001, 789-794.	2.0	31
96	Dicobalt-ν-oxo Polyoxometalate Compound, [(α <sub>2</sub> P <sub>O<sub>17</sub>O<sub>61</sub>Co)<sub>2</sub>O]<sup>14–</sup>: A Potent Species for Water Oxidation, C–H Bond Activation, and Oxygen Transfer. Inorganic Chemistry, 2014, 53, 1779-1787.</sub>	4.0	30
97	Solid-State Crystal-to-Crystal Phase Transitions and Reversible Structureâ€"Temperature Behavior of Phosphovanadomolybdic Acid, H <sub>5</sub> PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> . Inorganic Chemistry, 2015, 54, 628-634.	4.0	30
98	Electrochemical Hydroxylation of Arenes Catalyzed by a Keggin Polyoxometalate with a Cobalt(IV) Heteroatom. Angewandte Chemie - International Edition, 2018, 57, 5403-5407.	13.8	30
99	Structural variability in manganese(II) complexes of N,N′-bis(2-pyridinylmethylene) ethane (and propane) diamine ligands. Inorganica Chimica Acta, 2009, 362, 4713-4720.	2.4	29
100	Oxidation of Carbon Monoxide Cocatalyzed by Palladium(0) and the H <sub>5</sub> PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> Polyoxometalate Probed by Electron Paramagnetic Resonance and Aerobic Catalysis. Inorganic Chemistry, 2009, 48, 7947-7952.	4.0	28
101	Oxidative dehydrogenation of 4-vinylcyclohexene to styrene catalyzed by PV2Mo10O5â^'40 heteropolyacids. Applied Catalysis A: General, 1998, 172, 67-72.	4.3	26
102	Silica tethered with poly(ethylene and/propylene) oxide as supports for polyoxometalates in catalytic oxidation. Journal of Molecular Catalysis A, 1999, 146, 291-298.	4.8	26
103	Selective Visible Light Aerobic Photocatalytic Oxygenation of Alkanes to the Corresponding Carbonyl Compounds. ACS Catalysis, 2019, 9, 8819-8824.	11.2	25
104	Iron Age beehives at Tel Reá,¥ov in the Jordan valley. Antiquity, 2008, 82, 629-639.	1.0	24
105	Liquid Phase Oxidation Reactions Catalyzed by Polyoxometalates. , 2005, , 223-251.		23
106	Mixed-Addenda Vanadium-Substituted Polyfluorooxometalates:  Synthesis, Characterization, and Catalytic Aerobic Oxidation. Inorganic Chemistry, 2000, 39, 3455-3462.	4.0	22
107	Visible‣ight Photochemical Reduction of CO <sub>2</sub> to CO Coupled to Hydrocarbon Dehydrogenation. Angewandte Chemie, 2020, 132, 6278-6282.	2.0	21
108	The Electronic Structure of Reduced Phosphovanadomolybdates and the Implications on Their Use in Catalytic Oxidation Initiated by Electron Transfer. Journal of Physical Chemistry C, 2007, 111, 7711-7719.	3.1	20

7

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109	Alkane composition variations between darker and lighter colored comb beeswax. Apidologie, 2007, 38, 453-461.	2.0	19
110	Diastereoselective and Enantiospecific Direct Reductive Amination in Water Catalyzed by Palladium Nanoparticles Stabilized by Polyethyleneimine Derivatives. ACS Catalysis, 2013, 3, 1915-1918.	11.2	19
111	Photoreduction Mechanism of CO <sub>2</sub> to CO Catalyzed by a Three-Component Hybrid Construct with a Bimetallic Rhenium Catalyst. ACS Catalysis, 2021, 11, 1495-1504.	11.2	19
112	Reductive Electrochemical Activation of Molecular Oxygen Catalyzed by an Iron-Tungstate Oxide Capsule: Reactivity Studies Consistent with Compound I Type Oxidants. ACS Catalysis, 2020, 10, 4227-4237.	11,2	17
113	Title is missing!. Angewandte Chemie, 2003, 115, 96-99.	2.0	16
114	Aerobic Electrochemical Oxygenation of Light Hydrocarbons Catalyzed by an Iron–Tungsten Oxide Molecular Capsule. ACS Catalysis, 2018, 8, 3232-3236.	11.2	16
115	An achiral manganese salen catalyst encapsulated in a peptidic phosphonate homochiral solid for the enantioselective formation of diols by consecutive epoxidation and hydration reactions. Chemical Communications, 2011, 47, 2535.	4.1	15
116	Molecular Transition Metal Oxide Electrocatalysts for the Reversible Carbon Dioxide–Carbon Monoxide Transformation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
117	An oxonium cation complexed by a noncyclic polyether: the structure of tetraglyme–H3O+. Journal of the Chemical Society Chemical Communications, 1989, , 547-548.	2.0	14
118	Formation of persulphate from sodium sulphite and molecular oxygen catalysed by H <sub>5</sub> PV <sub>2</sub> Mo <sub>10</sub> O <sub>40</sub> – aerobic epoxidation and hydrolysis. Chemical Communications, 2014, 50, 13247-13249.	4.1	14
119	Guest Transition Metals in Host Inorganic Nanocapsules: Single Sites, Discrete Electron Transfer, and Atomic Scale Structure. Journal of the American Chemical Society, 2020, 142, 14504-14512.	13.7	14
120	Title is missing!. Catalysis Letters, 2000, 68, 109-111.	2.6	13
121	A Tripodal Peptidic Titanium Phosphonate as a Homochiral Porous Solid Medium for the Heterogeneous Enantioselective Hydration of Epoxides. Advanced Synthesis and Catalysis, 2010, 352, 2159-2165.	4.3	13
122	Activation of Molecular Oxygen by a Dioxygenase Pathway by a Ruthenium Bis-bipyridine Compound with a Proximal Selenium Site. Journal of the American Chemical Society, 2010, 132, 517-523.	13.7	13
123	Structural diversity in manganese, iron and cobalt complexes of the ditopic 1,2-bis(2,2′-bipyridyl-6-yl)ethyne ligand and observation of epoxidation and catalase activity of manganese compounds. Dalton Transactions, 2010, 39, 7266.	3.3	13
124	An antimony(V) substituted Keggin heteropolyacid, H4PSbMo11O40: Why is its catalytic activity in oxidation reactions so different from that of H4PVMo11O40?. Journal of Molecular Catalysis A, 2012, 356, 152-157.	4.8	13
125	On the effect of ion pairing of Keggin type polyanions with quaternary ammonium cations on redox potentials in organic solvents. Physical Chemistry Chemical Physics, 2016, 18, 22487-22493.	2.8	13
126	Encapsulation of Arenes within a Porous Molybdenum Oxide {Mo <sub>132</sub> } Nanocapsule. Chemistry - A European Journal, 2016, 22, 15231-15236.	3.3	12

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127	X-RAY INDUCED VISIBLE LUMINESCENCE OF PORPHYRINS. Photochemistry and Photobiology, 1994, 59, 385-387.	2.5	11
128	Synthesis and Characterization of Polyoxometalate–Polyamino Dendritic Hybrid Compounds. Journal of Cluster Science, 2006, 17, 235-243.	3.3	11
129	Structural and magnetic behavior of mono- and dinuclear nickel (II) complexes of N,N′-bis-(3,5-dipiperidin-1-yl-[2,4,6]triazin-1-yl)-pyridin-2-ylmethyl-ethane-1,2-diamine. Inorganica Chimica Acta, 2009, 362, 4760-4766.	2.4	11
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