

Ronny Neumann

List of Publications by Year in descending order

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167
papers

9,854
citations

18482

62
h-index

39675

94
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179
all docs

179
docs citations

179
times ranked

6971
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Transition Metal Oxide Electrocatalysts for the Reversible Carbon Dioxide→Carbon Monoxide Transformation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
2	Electrochemical Formation and Activation of Hydrogen Peroxide from Water on Fluorinated Tin Oxide for Baeyer→Villiger Oxidation Reactions. <i>ACS Catalysis</i> , 2022, 12, 4149-4155.	11.2	5
3	Residue analysis evidence for wine enriched with vanilla consumed in Jerusalem on the eve of the Babylonian destruction in 586 BCE. <i>PLoS ONE</i> , 2022, 17, e0266085.	2.5	7
4	Photoelectrochemical Reduction of Carbon Dioxide with a Copper Graphitic Carbon Nitride Photocathode. <i>Chemistry - A European Journal</i> , 2021, 27, 13513-13517.	3.3	4
5	Electrocatalytic Oxyesterification of Hydrocarbons by Tetravalent Lead. <i>ACS Catalysis</i> , 2021, 11, 10494-10501.	11.2	0
6	Photoreduction Mechanism of CO ₂ to CO Catalyzed by a Three-Component Hybrid Construct with a Bimetallic Rhenium Catalyst. <i>ACS Catalysis</i> , 2021, 11, 1495-1504.	11.2	19
7	Visible→Light Photochemical Reduction of CO ₂ to CO Coupled to Hydrocarbon Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6219-6223.	13.8	48
8	The formyloxy radical: electrophilicity, C→H bond activation and anti-Markovnikov selectivity in the oxidation of aliphatic alkenes. <i>Chemical Science</i> , 2020, 11, 11584-11591.	7.4	2
9	Guest Transition Metals in Host Inorganic Nanocapsules: Single Sites, Discrete Electron Transfer, and Atomic Scale Structure. <i>Journal of the American Chemical Society</i> , 2020, 142, 14504-14512.	13.7	14
10	Reductive Electrochemical Activation of Molecular Oxygen Catalyzed by an Iron-Tungstate Oxide Capsule: Reactivity Studies Consistent with Compound I Type Oxidants. <i>ACS Catalysis</i> , 2020, 10, 4227-4237.	11.2	17
11	Selective Oxidation by H ₂ O ₂ [PV ₂ Mo ₁₀ O ₄₀] in a Highly Acidic Medium. <i>Inorganic Chemistry</i> , 2020, 59, 11945-11952.	4.0	11
12	Visible→Light Photochemical Reduction of CO ₂ to CO Coupled to Hydrocarbon Dehydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 6278-6282.	2.0	21
13	Reversible Temperature Dependent Dimerization of Transition Metal Substituted Quasi Wells-Dawson Polyfluoroxometalates. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 482-485.	2.0	2
14	Selective Visible Light Aerobic Photocatalytic Oxygenation of Alkanes to the Corresponding Carbonyl Compounds. <i>ACS Catalysis</i> , 2019, 9, 8819-8824.	11.2	25
15	Switch of the Rate-Determining Step of Water Oxidation by Spin-Selected Electron Transfer in Spinel Oxides. <i>Chemistry of Materials</i> , 2019, 31, 8106-8111.	6.7	87
16	Aerobic oxygenation catalyzed by first row transition metal complexes coordinated by tetradentate mono-carbon bridged bis-phenanthroline ligands: intra- <i>versus</i> intermolecular carbon→hydrogen bond activation. <i>Dalton Transactions</i> , 2019, 48, 6396-6407.	3.3	3
17	(Keynote) Cathodic Electrocatalysis Mediated By Polyoxometalates: Reduction of Carbon Dioxide and Reductive Activation of Molecular Oxygen for Hydrocarbon Oxidation. <i>ECS Meeting Abstracts</i> , 2019, . .	0.0	0
18	The kinetics and mechanism of oxidation of reduced phosphovanadomolybdates by molecular oxygen: theory and experiment in concert. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7579-7587.	2.8	7

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19	Aerobic Electrochemical Oxygenation of Light Hydrocarbons Catalyzed by an Iron-Tungsten Oxide Molecular Capsule. <i>ACS Catalysis</i> , 2018, 8, 3232-3236.	11.2	16
20	Coordination of Carbon Dioxide to the Lewis Acid Site of a Zinc-Substituted Polyoxometalate and Formation of an Adduct Using a Polyoxometalate-2,4,6-Trimethylpyridine Frustrated Lewis Pair. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 791-794.	2.0	11
21	Electrochemical Hydroxylation of Arenes Catalyzed by a Keggin Polyoxometalate with a Cobalt(IV) Heteroatom. <i>Angewandte Chemie</i> , 2018, 130, 5501-5505.	2.0	3
22	Frontispiece: Self-Assembly through Noncovalent Preorganization of Reactants: Explaining the Formation of a Polyfluoroxometalate. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
23	Electrochemical Hydroxylation of Arenes Catalyzed by a Keggin Polyoxometalate with a Cobalt(IV) Heteroatom. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5403-5407.	13.8	30
24	Self-Assembly through Noncovalent Preorganization of Reactants: Explaining the Formation of a Polyfluoroxometalate. <i>Chemistry - A European Journal</i> , 2018, 24, 369-379.	3.3	7
25	Dioxygen in Polyoxometalate Mediated Reactions. <i>Chemical Reviews</i> , 2018, 118, 2680-2717.	47.7	272
26	A Thiourea Tether in the Second Coordination Sphere as a Binding Site for CO ₂ and a Proton Donor Promotes the Electrochemical Reduction of CO ₂ to CO Catalyzed by a Rhenium Bipyridine-Type Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 12451-12456.	13.7	111
27	Formation of Alkanes by Aerobic Carbon-Carbon Bond Coupling Reactions Catalyzed by a Phosphovanadomolybdic Acid. <i>ACS Catalysis</i> , 2017, 7, 2725-2729.	11.2	9
28	Hydrogen-Atom Transfer Oxidation with H ₂ O ₂ Catalyzed by		

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37	Solid-State Crystal-to-Crystal Phase Transitions and Reversible Structure-Temperature Behavior of Phosphovanadomolybdic Acid, $H_5PV_2Mo_{10}O_{40}$. <i>Inorganic Chemistry</i> , 2015, 54, 628-634.	4.0	30
38	Carbon-hydrogen bond activation of arenes and alkylarenes by electron transfer followed by oxygen transfer catalyzed by vanadium substituted polyoxometalates - A comparative study of the reactivity of different polyoxometalate compounds. <i>Journal of Organometallic Chemistry</i> , 2015, 793, 134-138.	1.8	11
39	Reactivity and O_2 Formation by Mn(IV)- and Mn(V)-Hydroxo Species Stabilized within a Polyfluoroxometalate Framework. <i>Journal of the American Chemical Society</i> , 2015, 137, 8738-8748.	13.7	33
40	Oxygenation of Methylarenes to Benzaldehyde Derivatives by a Polyoxometalate Mediated Electron Transfer-Oxygen Transfer Reaction in Aqueous Sulfuric Acid. <i>Journal of the American Chemical Society</i> , 2015, 137, 5916-5922.	13.7	78
41	Polyoxometalate-mediated electron transfer-oxygen transfer oxidation of cellulose and hemicellulose to synthesis gas. <i>Nature Communications</i> , 2014, 5, 4621.	12.8	72
42	Dicobalt- μ_4 -oxo Polyoxometalate Compound, $[(\pm)_2-P_2W_{17}O_{61}Co_2O]^{14-}$: A Potent Species for Water Oxidation, C-H Bond Activation, and Oxygen Transfer. <i>Inorganic Chemistry</i> , 2014, 53, 1779-1787.	4.0	30
43	Formation of persulphate from sodium sulphite and molecular oxygen catalysed by $H_5PV_2Mo_{10}O_{40}$ - aerobic epoxidation and hydrolysis. <i>Chemical Communications</i> , 2014, 50, 13247-13249.	4.1	14
44	Aerobic Carbon-Carbon Bond Cleavage of Alkenes to Aldehydes Catalyzed by First-Row Transition-Metal-Substituted Polyoxometalates in the Presence of Nitrogen Dioxide. <i>Journal of the American Chemical Society</i> , 2014, 136, 10941-10948.	13.7	77
45	The Synthesis and Characterization of the Tri-rhenium(VI) Capped Wells-Dawson Polyoxometalate,	3.3	2
46	Diastereoselective and Enantiospecific Direct Reductive Amination in Water Catalyzed by Palladium Nanoparticles Stabilized by Polyethyleneimine Derivatives. <i>ACS Catalysis</i> , 2013, 3, 1915-1918.	11.2	19
47	Platinum complexes of cationic ligands for the aerobic oxidation of α -perfluoro-substituted alcohols. <i>Chemical Communications</i> , 2013, 49, 1720.	4.1	11
48	Polyoxometalate-Catalyzed Insertion of Oxygen from O_2 into Tin-Alkyl Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 19304-19310.	13.7	38
49	Hexagonal Supramolecular Assemblies Based on a $RuII(DMSO)_3$ - or $OsII(DMSO)_3$ -Capped $\{HW_9O_{33}\}$ Isopolyanion with Potassium Cations as Linkers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1649-1653.	2.0	4
50	Computational Insight into the Initial Steps of the Mars-van Krevelen Mechanism: Electron Transfer and Surface Defects in the Reduction of Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2012, 134, 20669-20680.	13.7	54
51	Manganese Salen Compounds Embedded within Cross-Linked Chiral Polyethylenimine: Asymmetric Epoxidation in an Aqueous Biphasic Medium. <i>ChemPlusChem</i> , 2012, 77, 977-981.	2.8	6
52	Achiral Ruthenium Catalyst Encapsulated in Titanium Phosphonate Homochiral Peptide-Based Solids for Enantioselective Hydrogenation of Ketones to Secondary Alcohols. <i>ACS Catalysis</i> , 2012, 2, 2531-2536.	11.2	5
53	An antimony(V) substituted Keggin heteropolyacid, $H_4PSbMo_{11}O_{40}$: Why is its catalytic activity in oxidation reactions so different from that of $H_4PVMo_{11}O_{40}$?. <i>Journal of Molecular Catalysis A</i> , 2012, 356, 152-157.	4.8	13
54	An achiral manganese salen catalyst encapsulated in a peptidic phosphonate homochiral solid for the enantioselective formation of diols by consecutive epoxidation and hydration reactions. <i>Chemical Communications</i> , 2011, 47, 2535.	4.1	15

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55	Photocatalytic Splitting of CS ₂ to S ₈ and a Carbon-Sulfur Polymer Catalyzed by a Bimetallic Ruthenium(II) Compound with a Tertiary Amine Binding Site: Toward Photocatalytic Splitting of CO ₂ ?. <i>Inorganic Chemistry</i> , 2011, 50, 11273-11275.	4.0	10
56	Protonation of Phosphovanadomolybdates H ₃ PV ₂ Mo ₁₂ O ₄₀ : Computational Insight Into Reactivity. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4811-4826.	2.5	40
57	Photoreduction of Carbon Dioxide to Carbon Monoxide with Hydrogen Catalyzed by a Rhenium(I) Phenanthroline-Polyoxometalate Hybrid Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 188-190.	13.7	206
58	Copper(I) Complexes of Bipyridine and Terpyridine with Fluorous Tails and the Formation of Crystalline Materials with Fluorous Layers. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1792-1796.	2.0	3
59	Desulfurization of Hydrocarbons by Electron Transfer Oxidative Polymerization of Heteroaromatic Sulfides Catalyzed by H ₅ PV ₂ Mo ₁₀ O ₄₀ Polyoxometalate. <i>ChemSusChem</i> , 2011, 4, 346-348.	6.8	37
60	Aerobic Oxidation of Primary Aliphatic Alcohols to Aldehydes Catalyzed by a Palladium(II) Polyoxometalate Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 293-298.	4.3	51
61	A Tripodal Peptidic Titanium Phosphonate as a Homochiral Porous Solid Medium for the Heterogeneous Enantioselective Hydration of Epoxides. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2159-2165.	4.3	13
62	Photochemical Reduction of Carbon Dioxide Catalyzed by a Ruthenium-Substituted Polyoxometalate. <i>Chemistry - A European Journal</i> , 2010, 16, 1356-1364.	3.3	142
63	High-Field Pulsed EPR Spectroscopy for the Speciation of the Reduced [PV ₂ Mo ₁₀ O ₄₀] ⁶⁺ Polyoxometalate Catalyst Used in Electron-Transfer Oxidations. <i>Chemistry - A European Journal</i> , 2010, 16, 10014-10020.	3.3	35
64	Activation of Molecular Oxygen by a Dioxygenase Pathway by a Ruthenium Bis-bipyridine Compound with a Proximal Selenium Site. <i>Journal of the American Chemical Society</i> , 2010, 132, 517-523.	13.7	13
65	Electron Transfer-Oxygen Transfer Oxygenation of Sulfides Catalyzed by the H ₅ PV ₂ Mo ₁₀ O ₄₀ Polyoxometalate. <i>Journal of the American Chemical Society</i> , 2010, 132, 11446-11448.	13.7	109
66	Activation of Molecular Oxygen, Polyoxometalates, and Liquid-Phase Catalytic Oxidation. <i>Inorganic Chemistry</i> , 2010, 49, 3594-3601.	4.0	187
67	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. <i>Dalton Transactions</i> , 2010, 39, 7266.	3.3	13
68	Structural variability in manganese(II) complexes of N,N'-bis(2-pyridinylmethylene) ethane (and propane) diamine ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 4713-4720.	2.4	29
69	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. <i>Inorganica Chimica Acta</i> , 2009, 362, 4760-4766.	2.4	11
70	Phenanthroline Decorated by a Crown Ether as a Module for Metallorganic-Polyoxometalate Hybrid Catalysts: The Wacker Type Oxidation of Alkenes with Nitrous Oxide as Terminal Oxidant. <i>Journal of the American Chemical Society</i> , 2009, 131, 4-5.	13.7	142
71	Oxidation of Carbon Monoxide Cocatalyzed by Palladium(0) and the H ₅ PV ₂ Mo ₁₀ O ₄₀ Polyoxometalate Probed by Electron Paramagnetic Resonance and Aerobic Catalysis. <i>Inorganic Chemistry</i> , 2009, 48, 7947-7952.	4.0	28
72	Direct Aerobic Oxidation of Secondary Alcohols Catalysed by Pt(0) Nanoparticles Stabilized by PV ₂ Mo ₁₀ O ₄₀ Polyoxometalate. <i>Catalysis Letters</i> , 2008, 123, 41-45.	2.6	36

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73	A Stable $\text{Fe}^{\text{II}}\text{-O}^{\text{II}}\text{-Fe}^{\text{III}}\text{-Hydroperoxo}$ Complex in Water Derived from a Multi- Fe^{II} -Substituted Polyoxometalate and Molecular Oxygen. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9908-9912.	13.8	45
74	Closed and open framework architectures in copper(II) complexes with triazine substituted N,N'-bis-pyridin-2-ylmethyl-ethane-1,2-diamine ligands. <i>Journal of Molecular Structure</i> , 2008, 891, 491-497.	3.6	8
75	Oxidative C-C Bond Cleavage of Primary Alcohols and Vicinal Diols Catalyzed by $\text{H}_5\text{PV}_2\text{Mo}_{10}\text{O}_{40}$ by an Electron Transfer and Oxygen Transfer Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2008, 130, 14474-14476.	13.7	103
76	Fine-Tuning and Recycling of Homogeneous Tungstate and Polytungstate Epoxidation Catalysts. , 2008, , 415-428.		4
77	Iron Age beehives at Tel Re'ayov in the Jordan valley. <i>Antiquity</i> , 2008, 82, 629-639.	1.0	24
78	The Electronic Structure of Reduced Phosphovanadomolybdates and the Implications on Their Use in Catalytic Oxidation Initiated by Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7711-7719.	3.1	20
79	Polyoxometalate Complexes in Organic Oxidation Chemistry. <i>Progress in Inorganic Chemistry</i> , 2007, , 317-370.	3.0	273
80	Stabilization of Palladium Nanoparticles by Polyoxometalates Appended with Alkylthiol Tethers and their Use as Binary Catalysts for Liquid Phase Aerobic Oxydehydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1624-1628.	4.3	39
81	Alkane composition variations between darker and lighter colored comb beeswax. <i>Apidologie</i> , 2007, 38, 453-461.	2.0	19
82	Characterization of Manganese(V)-Oxo Polyoxometalate Intermediates and Their Properties in Oxygen-Transfer Reactions. <i>Journal of the American Chemical Society</i> , 2006, 128, 15451-15460.	13.7	92
83	Selective aerobic oxidation in supercritical carbon dioxide catalyzed by the $\text{H}_5\text{PV}_2\text{Mo}_{10}\text{O}_{40}$ polyoxometalate. <i>Chemical Communications</i> , 2006, , 2230.	4.1	48
84	Aqueous biphasic catalysis with polyoxometalates: Oximation of ketones and aldehydes with aqueous ammonia and hydrogen peroxide. <i>Green Chemistry</i> , 2006, 8, 679.	9.0	39
85	Palladium Nanoparticles Stabilized by Alkylated Polyethyleneimine as Aqueous Biphasic Catalysts for the Chemoselective Stereocontrolled Hydrogenation of Alkenes. <i>Organic Letters</i> , 2006, 8, 5445-5448.	4.6	60
86	Preparation, Characterization, and Catalytic Aerobic Oxidation by a Vanadium Phosphonate Mesoporous Material Constructed from a Dendritic Tetrakisphosphate. <i>Chemistry of Materials</i> , 2006, 18, 2781-2783.	6.7	64
87	Molecular oxygen and oxidation catalysis by phosphovanadomolybdates. <i>Chemical Communications</i> , 2006, , 2529.	4.1	175
88	An Example of Lipophiloselectivity: The Preferred Oxidation, in Water, of Hydrophobic 2-Alkanols Catalyzed by a Cross-Linked Polyethyleneimine-Polyoxometalate Catalyst Assembly. <i>Journal of the American Chemical Society</i> , 2006, 128, 15697-15700.	13.7	71
89	Catalysts for Monooxygenations Made from Polyoxometalate: An Iron(V)-Oxo Derivative of the Lindqvist Anion. <i>Inorganic Chemistry</i> , 2006, 45, 8655-8663.	4.0	32
90	Structural and EPR/ENDOR/ESEEM spectroscopic investigations of a vanadomolybdate Keggin-type polyoxometalate in organic solvent. <i>Inorganica Chimica Acta</i> , 2006, 359, 3072-3078.	2.4	3

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91	Synthesis and Characterization of Polyoxometalate-Polyamino Dendritic Hybrid Compounds. <i>Journal of Cluster Science</i> , 2006, 17, 235-243.	3.3	11
92	Inorganic compounds and materials as catalysts for oxidations with aqueous hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 185-193.	4.8	36
93	Titanium Phosphonate Porous Materials Constructed from Dendritic Tetraphosphonates. <i>Chemistry - A European Journal</i> , 2006, 12, 3507-3514.	3.3	79
94	Liquid Phase Oxidation Reactions Catalyzed by Polyoxometalates. , 2005, , 223-251.		23
95	Dendritic Phosphonates and their in situ Assembly of Polyperoxophosphotungstates: Synthesis and Catalytic Epoxidation of Alkenes with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 39-44.	4.3	39
96	Precatalyst separation paradigms: alkane functionalization in water utilizing in situ formed $[\text{Fe}_2\text{O}(\text{i-1-H}_2\text{O})(\text{i-1-OAc})(\text{TPA})_2]^{3+}$, embedded in surface-derivatized silica, as an MMO model, and fluorine biphasic catalysis for alkane, alkene, and alcohol oxidation chemistry. <i>Topics in Catalysis</i> , 2005, 32, 185-196.	2.8	9
97	Strategies for oxidation catalyzed by polyoxometalates at the interface of homogeneous and heterogeneous catalysis. <i>Topics in Catalysis</i> , 2005, 34, 93-99.	2.8	117
98	Highly efficient recycling of a sandwich-type polyoxometalate oxidation catalyst using solvent resistant nanofiltration. <i>Chemical Communications</i> , 2005, , 1206-1208.	4.1	53
99	Selective Ortho Hydroxylation of Nitrobenzene with Molecular Oxygen Catalyzed by the H5PV2Mo10O40 Polyoxometalate. <i>Journal of the American Chemical Society</i> , 2005, 127, 9988-9989.	13.7	72
100	Direct aerobic epoxidation of alkenes catalyzed by metal nanoparticles stabilized by the H5PV2Mo10O40 polyoxometalate. <i>Chemical Communications</i> , 2005, , 4595.	4.1	76
101	Phenanthroline-Polyoxometalate Hybrid Compounds and the Observation of Intramolecular Charge Transfer. <i>Inorganic Chemistry</i> , 2005, 44, 4900-4902.	4.0	65
102	The High-Valent Iron-Oxo Species of Polyoxometalate, if It Can Be Made, Will Be a Highly Potent Catalyst for C-H Hydroxylation and Double-Bond Epoxidation. <i>Journal of the American Chemical Society</i> , 2005, 127, 17712-17718.	13.7	90
103	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?. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5661-5665.	13.8	67
104	Synthesis of Dendritic Polyoxometalate Complexes Assembled by Ionic Bonding and Their Function as Recoverable and Reusable Oxidation Catalysts. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2924-2928.	13.8	125
105	Aqueous Biphasic Oxidation: A Water-Soluble Polyoxometalate Catalyst for Selective Oxidation of Various Functional Groups with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 339-345.	4.3	125
106	Synthesis, Catalytic Activity in Oxidation Reactions, and Recyclability of Stable Polyoxometalate-Centred Dendrimers. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1445-1448.	4.3	53
107	Alkylated Polyethyleneimine/Polyoxometalate Synzymes as Catalysts for the Oxidation of Hydrophobic Substrates in Water with Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2004, 126, 11762-11763.	13.7	131
108	Oxidation of Alkylarenes by Nitrate Catalyzed by Polyoxophosphomolybdates: Synthetic Applications and Mechanistic Insights. <i>Journal of the American Chemical Society</i> , 2004, 126, 6356-6362.	13.7	37

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109	New Heterogeneous Polyoxometalate Based Mesoporous Catalysts for Hydrogen Peroxide Mediated Oxidation Reactions. <i>Journal of the American Chemical Society</i> , 2004, 126, 884-890.	13.7	237
110	Mild, Aqueous, Aerobic, Catalytic Oxidation of Methane to Methanol and Acetaldehyde Catalyzed by a Supported Bipyrimidinylplatinum ^{II} Polyoxometalate Hybrid Compound. <i>Journal of the American Chemical Society</i> , 2004, 126, 10236-10237.	13.7	183
111	Electrophilic Aromatic Chlorination and Haloperoxidation of Chloride Catalyzed by Polyfluorinated Alcohols: A New Manifestation of Template Catalysis. <i>Journal of the American Chemical Society</i> , 2003, 125, 12116-12117.	13.7	94
112	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 96-99.	2.0	16
113	Aerobic Oxidation of Vicinal Diols Catalyzed by an Anderson-Type Polyoxometalate, [1Mo6O24]5-. <i>ChemInform</i> , 2003, 34, no.	0.0	0
114	Activation of Nitrous Oxide and Selective Oxidation of Alcohols and Alkylarenes Catalyzed by the [PV2Mo10O40]5- Polyoxometalate Ion. <i>ChemInform</i> , 2003, 34, no.	0.0	0
115	Activation of Nitrous Oxide and Selective Oxidation of Alcohols and Alkylarenes Catalyzed by the [PV2Mo10O40]5- Polyoxometalate Ion. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 92-95.	13.8	79
116	Inorganic-organic hybrid materials based on kegglin type polyoxometalates and organic polyammonium cations. <i>Journal of Molecular Structure</i> , 2003, 656, 27-35.	3.6	32
117	An Efficient, Catalytic, Aerobic, Oxidative Iodination of Arenes Using the H5PV2Mo10O40 Polyoxometalate as Catalyst. <i>Journal of Organic Chemistry</i> , 2003, 68, 9510-9512.	3.2	73
118	A Water-Soluble and Self-Assembled Polyoxometalate as a Recyclable Catalyst for Oxidation of Alcohols in Water with Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2003, 125, 5280-5281.	13.7	202
119	A Highly Chemoselective, Diastereoselective, and Regioselective Epoxidation of Chiral Allylic Alcohols with Hydrogen Peroxide, Catalyzed by Sandwich-Type Polyoxometalates: Enhancement of Reactivity and Control of Selectivity by the Hydroxy Group through Metal-Alcoholate Bonding. <i>Journal of Organic Chemistry</i> , 2003, 68, 1721-1728.	3.2	107
120	Organometallic Polyoxometalate Hybrid Compounds: Metallosalen Compounds Modified by Keggin Type Polyoxometalates. <i>Inorganic Chemistry</i> , 2003, 42, 3677-3684.	4.0	131
121	Oxidation of Dienes and Polyenes. , 2003, , 889-926.		2
122	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. <i>Inorganic Chemistry</i> , 2003, 42, 3331-3339.	4.0	82
123	Synthesis, characterization and catalytic activity of a Wilkinson's type metal-organic polyoxometalate hybrid compound. <i>Chemical Communications</i> , 2003, , 2690-2691.	4.1	77
124	Polyfluorinated Quaternary Ammonium Salts of Polyoxometalate Anions: Fluorous Biphasic Oxidation Catalysis with and without Fluorous Solvents. <i>Organic Letters</i> , 2003, 5, 3547-3550.	4.6	75
125	Oxygen Transfer from Sulfoxides: Oxidation of Alkylarenes Catalyzed by a Polyoxomolybdate, [PMo12O40]3-. <i>Journal of the American Chemical Society</i> , 2002, 124, 4198-4199.	13.7	125
126	Oxygen Transfer from Sulfoxides: Selective Oxidation of Alcohols Catalyzed by Polyoxomolybdates. <i>Journal of Organic Chemistry</i> , 2002, 67, 7075-7079.	3.2	58

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127	Polyethylene glycol as a non-ionic liquid solvent for polyoxometalate catalyzed aerobic oxidation. <i>Chemical Communications</i> , 2002, , 876-877.	4.1	159
128	Preferential catalytic hydrogenation of aromatic compounds versus ketones with a palladium substituted polyoxometalate as pre-catalyst. <i>New Journal of Chemistry</i> , 2002, 26, 272-274.	2.8	51
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