

Electrochemical Behaviour of First Row Transition Metals A Comparative Study in Acetonitrile

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Oxidation of cycloalkanes with hydrogen peroxide in the presence of Keggin-type polyoxotungstates. <i>Catalysis Today</i> , 2004, 91-92, 211-214.	2.2	26
2	A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 2004, 222, 159-165.	4.8	52
3	Synthesis, crystal structure and two-dimensional infrared correlation spectroscopy of a layer-like transition metal (TM)-oxalate templated polyoxovanadium borate. <i>Journal of Solid State Chemistry</i> , 2005, 178, 3563-3570.	1.4	44
4	Association of Keggin-type anions with cationic meso-substituted porphyrins: synthesis, characterization and oxidative catalytic studies. <i>Journal of Molecular Catalysis A</i> , 2005, 231, 35-45.	4.8	62
5	Investigation of the Pronounced Medium Effects Observed in the Voltammetry of the Highly Charged Lacunary Anions $[\text{K}^{\pm}\text{-SiW}_{11}\text{O}_{39}]^{8-}$ and $[\text{K}^{\pm}\text{-PW}_{11}\text{O}_{39}]^{7-}$. <i>Inorganic Chemistry</i> , 2006, 45, 8563-8574.	1.9	49
6	Electrochemical characterization of glassy carbon electrodes modified with hybrid inorganic-organic single-layer of K^{\pm} -Keggin type polyoxotungstates. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 10-17.	1.2	15
7	Electrochemical behavior and multilayer films of the sandwich-type polyoxotungstate complex $\{\text{K}_{10}\text{Co}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2\}$. <i>Materials Letters</i> , 2006, 60, 3622-3626.	1.3	17
8	Electrochemical Behavior of Polyoxometalates $[\text{XW}_{11}\text{MoO}_{40}]^{n-}$ (X=P, Si, Ge with n=3, 4) in Aqueous and DMF Solution. <i>Chinese Journal of Chemistry</i> , 2006, 24, 316-320.	2.6	4
9	New Polyoxotungstates with Ln(III) and Co(II) and Their Immobilization in Silica Particles. <i>Materials Science Forum</i> , 2006, 514-516, 1206-1210.	0.3	2
10	Synthesis and Characterization of New Rare Earth Sandwich Type Tungstoarsenates. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2006, 36, 335-344.	0.6	2
11	Correlation between Redox Properties and Component of Multicomponent Heteropolysilicates with the Same Structure. <i>Journal of Chemical Research</i> , 2007, 2007, 445-450.	0.6	0
12	Density Functional Theory and ab Initio Study of Electronic and Electrochemistry Properties of the Tetranuclear Sandwich Complex $[\text{FeIII}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2]^{6-}$. <i>Inorganic Chemistry</i> , 2007, 46, 4022-4027.	1.9	40
13	Structural Studies of Keggin-Type Polyoxotungstates by Extended X-ray Absorption Fine Structure Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1027-1038.	1.0	31
14	Two novel Keggin tungstocobaltates grafted by cobalt(II) complex group(s): $\text{K}[\text{Co}(\text{phen})_2(\text{H}_2\text{O})_2][\text{HCoW}_{12}\text{O}_{40}]\cdot 2\text{H}_2\text{O}$ and $[\text{Co}(2,2\text{-bipy})_3]^{1.5}\{[\text{Co}(2,2\text{-bipy})_2(\text{H}_2\text{O})][\text{HCoW}_{12}\text{O}_{40}]\}\cdot 0.5\text{H}_2\text{O}$. <i>Solid State Sciences</i> , 2007, 9, 1012-1019.	1.5	11
15	Functionalisation of glassy carbon electrodes with deposited tetrabutylammonium microcrystalline salts of lacunary and metal-substituted K^{\pm} -Keggin-polyoxosilicotungstates. <i>Electrochimica Acta</i> , 2008, 53, 6580-6588.	2.6	22
16	Transition Metal Substituted Polyoxotungstates in the Catalytic Oxidation of 1H-Indene and 1,2-Dihydronaphthalene with Hydrogen Peroxide. <i>Catalysis Letters</i> , 2009, 128, 281-289.	1.4	20
17	Extended architectures based on sandwich-type polyanions and transition metal complex cations. <i>Journal of Molecular Structure</i> , 2009, 923, 153-161.	1.8	7
18	Iron-substituted polyoxotungstates as catalysts in the oxidation of indane and tetralin with hydrogen peroxide. <i>Applied Catalysis A: General</i> , 2009, 366, 275-281.	2.2	31

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19	11-Tungstophosphate with Iron(II) and Hydrogen Peroxide Efficiently Detached Bacterial Biofilm. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 1783-1789.	0.6	1
20	Catalytic activity of iron-substituted polyoxotungstates in the oxidation of aromatic compounds with hydrogen peroxide. <i>Monatshefte für Chemie</i> , 2010, 141, 1223-1235.	0.9	25
21	Transition-Metal-Substituted Keggin-Type Germanotungstates for Catalytic Conversion of Carbon Dioxide to Cyclic Carbonate. <i>Catalysis Letters</i> , 2010, 139, 38-41.	1.4	38
22	Electrochemical behaviour of self-assembly multilayer films based on iron-substituted Keggin polyoxotungstates. <i>Thin Solid Films</i> , 2010, 518, 5881-5888.	0.8	40
23	Ab initio study of the antiferromagnetic coupling in the wheel-shaped [Cu ₂₀ Cl(OH) ₂₄ (H ₂ O) ₁₂ (P ₈ W ₄₈ O ₁₈₄)] ²⁵⁻ anion. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2716.	1.3	10
24	Electrocatalytic Water Oxidation Beginning with the Cobalt Polyoxometalate [Co ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ¹⁰⁻ : Identification of Heterogeneous CoO _x as the Dominant Catalyst. <i>Journal of the American Chemical Society</i> , 2011, 133, 14872-14875.	6.6	394
25	Oxidation of Polycyclic Aromatic Hydrocarbons with Hydrogen Peroxide in the Presence of Transition Metal Mono-Substituted Keggin-Type Polyoxometalates. <i>ChemCatChem</i> , 2011, 3, 771-779.	1.8	34
26	Manganese Mono-Substituted Borotungstate: Characterization and Catalytic Application. <i>Materials Science Forum</i> , 2012, 730-732, 975-980.	0.3	0
27	Organic-inorganic hybrid materials based on iron(III)-polyoxotungstates and 1-butyl-3-methylimidazolium cations. <i>Dalton Transactions</i> , 2012, 41, 12145.	1.6	21
28	Phosphotungstates as catalysts for monoterpene oxidation: Homo- and heterogeneous performance. <i>Catalysis Today</i> , 2013, 203, 95-102.	2.2	52
29	Differentiating Homogeneous and Heterogeneous Water Oxidation Catalysis: Confirmation that [Co ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ¹⁰⁻ is a Molecular Water Oxidation Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 14110-14118.	6.6	196
30	Multifunctional catalyst based on sandwich-type polyoxotungstate and MIL-101 for liquid phase oxidations. <i>Catalysis Today</i> , 2013, 210, 142-148.	2.2	56
31	Water Oxidation Catalysis Beginning with 2.5 × 10 ⁻⁴ M [Co ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ¹⁰⁻ : Investigation of the True Electrochemically Driven Catalyst at a 600 mV Overpotential at a Glassy Carbon Electrode. <i>ACS Catalysis</i> , 2013, 3, 1209-1219.	5.5	124
32	Insights into the electrochemical behaviour of composite materials: Monovacant polyoxometalates @ porous metal-organic framework. <i>Electrochimica Acta</i> , 2013, 87, 853-859.	2.6	32
33	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. <i>Applied Catalysis A: General</i> , 2013, 453, 316-326.	2.2	103
34	Mono-substituted silicotungstates as active catalysts for sustainable oxidations: homo- and heterogeneous performance. <i>New Journal of Chemistry</i> , 2013, 37, 2341.	1.4	35
35	SiW ₁₁ Fe@MIL-101(Cr) Composite: A Novel and Versatile Electrocatalyst. <i>ChemElectroChem</i> , 2014, 1, 1293-1300.	1.7	15
36	Effect on selective adsorption of ethane and ethylene of the polyoxometalates impregnation in the metal-organic framework MIL-101. <i>Adsorption</i> , 2014, 20, 533-543.	1.4	27

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37	Synthesis and properties of new materials with cobalt(II), iron(III) and manganese(III)-substituted Keggin polyoxotungstates and 1-alkyl-3-methylimidazolium cations. <i>Polyhedron</i> , 2015, 101, 109-117.	1.0	9
38	Hybrid methyl green/cobalt-polyoxotungstate nanostructured films: Self-assembly, electrochemical and electrocatalytic properties. <i>Applied Surface Science</i> , 2015, 347, 40-47.	3.1	7
39	Bridging the opposite chemistries of tantalum and tungsten polyoxometalates. <i>Dalton Transactions</i> , 2015, 44, 15813-15822.	1.6	24
40	Homogeneous catalytic oxidation of styrene and styrene derivatives with hydrogen peroxide in the presence of transition metal-substituted polyoxotungstates. <i>Catalysis Science and Technology</i> , 2015, 5, 351-363.	2.1	63
41	A recoverable sandwich phosphorotungstate stabilized palladium (0) catalyst for aerobic oxidation of alcohols in water. <i>Applied Catalysis A: General</i> , 2016, 523, 304-311.	2.2	11
42	Polyoxometalate immobilized in MIL-101(Cr) as an efficient catalyst for water oxidation. <i>Applied Catalysis A: General</i> , 2016, 521, 83-89.	2.2	70
43	Cesium salts of niobo-tungstate isopolyanions with intermediate group Vâ€“group VI character. <i>New Journal of Chemistry</i> , 2016, 40, 928-936.	1.4	15
44	Effect of cobalt location in Keggin-type heteropoly catalysts on aerobic oxidation of cyclooctane: Experimental and theoretical study. <i>Applied Catalysis A: General</i> , 2017, 542, 317-326.	2.2	26
45	Functionalization of Keggin-type nickel substituted phosphotungstate by imidazole: synthesis, characterization, and catalytic activity. <i>Journal of Materials Science</i> , 2017, 52, 4689-4699.	1.7	13
46	Effects of Competitive Active-Site Ligand Binding on Proton- and Electron-Transfer Properties of the [Co ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ₁₀ â€” Polyoxometalate Water Oxidation Catalyst. <i>Journal of Cluster Science</i> , 2017, 28, 839-852.	1.7	6
47	Catalytic homogeneous oxidation of monoterpenes and cyclooctene with hydrogen peroxide in the presence of sandwich-type tungstophosphates [M ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ^{nâ€“} , M = Coll, MnII and FeIII. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 593-599.	4.8	18
48	Electrochemistry of Polyoxometalates: From Fundamental Aspects to Applications. <i>ChemElectroChem</i> , 2018, 5, 823-838.	1.7	118
49	Leaching-free encapsulation of cobalt-polyoxotungstates in MIL-100 (Fe) for highly reproducible photocatalytic water oxidation. <i>Applied Catalysis A: General</i> , 2018, 567, 132-138.	2.2	54
50	Assessing the Electrocatalytic Properties of the {Cp* ₃ Rh ^{III} } ²⁺ â€“Polyoxometalate Derivative [H ₂ PW ₁₁ O ₃₉ Rh ^{III} Cp*(OH) ₂] ^{3â€“} towards CO ₂ Reduction. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 387-393.	1.0	22
51	Regioselective oxidative carbon-oxygen bond cleavage catalysed by copper(II) complexes: A relevant model study for lytic polysaccharides monooxygenases activity. <i>Journal of Catalysis</i> , 2019, 372, 352-361.	3.1	19
52	An Organofunctionalized Polyoxovanadium Cluster as a Molecular Model of Interfacial Pseudocapacitance. <i>ACS Applied Energy Materials</i> , 2019, 2, 8985-8993.	2.5	17
53	New Path for Polyoxometalates: Controlled Synthesis and Characterization of Metalâ€“Substituted Tungstosulfates. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 682-689.	1.0	1
54	Metal-substituted tungstosulfates with Keggin structure: synthesis and characterization. <i>Dalton Transactions</i> , 2020, 49, 2766-2770.	1.6	11

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55	Benzene Hydroxylation by Bioinspired Copper(II) Complexes: Coordination Geometry versus Reactivity. <i>Inorganic Chemistry</i> , 2020, 59, 5918-5928.	1.9	28
56	Modified Mn substituted POMs: Synthetic strategies, structural diversity to applications. <i>Progress in Materials Science</i> , 2021, 118, 100759.	16.0	19
57	Polyoxometalate-based electrolyte materials in redox flow batteries: Current trends and emerging opportunities. <i>Materials Reports Energy</i> , 2022, 2, 100094.	1.7	6
58	Investigation of isotherms and isosteric heat of adsorption for PW ₁₁ @HKUST-1 composite. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123363.	1.4	12
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60	The Cluster Design and Redox Behavior Characterization of Polyoxometalates for Redox Flow Batteries. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	3
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