

Mohammad Mahdi Najafpour

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179
papers

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38
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61
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195
ext. papers

5,660
ext. citations

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6.27
L-index

#	Paper	IF	Citations
179	Calcium manganese(III) oxides (CaMn ₂ O ₄ .xH ₂ O) as biomimetic oxygen-evolving catalysts. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2233-7	16.4	445
178	Manganese Compounds as Water-Oxidizing Catalysts: From the Natural Water-Oxidizing Complex to Nanosized Manganese Oxide Structures. <i>Chemical Reviews</i> , 2016 , 116, 2886-936	68.1	442
177	Manganese compounds as water oxidizing catalysts for hydrogen production via water splitting: From manganese complexes to nano-sized manganese oxides. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 8753-8764	6.7	171
176	Nano-sized manganese oxides as biomimetic catalysts for water oxidation in artificial photosynthesis: a review. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 2383-95	4.1	116
175	Mixed-valence manganese calcium oxides as efficient catalysts for water oxidation. <i>Dalton Transactions</i> , 2011 , 40, 3793-5	4.3	89
174	Nano-size amorphous calcium-manganese oxide as an efficient and biomimetic water oxidizing catalyst for artificial photosynthesis: back to manganese. <i>Dalton Transactions</i> , 2011 , 40, 9374-8	4.3	89
173	Calcium manganese(IV) oxides: biomimetic and efficient catalysts for water oxidation. <i>Dalton Transactions</i> , 2012 , 41, 4799-805	4.3	87
172	Energetic basis of catalytic activity of layered nanophase calcium manganese oxides for water oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8801-6	11.5	86
171	A very simple method to synthesize nano-sized manganese oxide: an efficient catalyst for water oxidation and epoxidation of olefins. <i>Dalton Transactions</i> , 2012 , 41, 11026-31	4.3	83
170	Nano-sized manganese oxide: a proposed catalyst for water oxidation in the reaction of some manganese complexes and cerium(IV) ammonium nitrate. <i>Dalton Transactions</i> , 2012 , 41, 10292-7	4.3	82
169	Water oxidation by manganese oxides, a new step towards a complete picture: simplicity is the ultimate sophistication. <i>Dalton Transactions</i> , 2013 , 42, 12173-8	4.3	77
168	Biological water oxidation: lessons from nature. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1110-21	4.6	76
167	Oxygen evolving complex in photosystem II: better than excellent. <i>Dalton Transactions</i> , 2011 , 40, 9076-84	4.3	75
166	A soluble form of nano-sized colloidal manganese(IV) oxide as an efficient catalyst for water oxidation. <i>Dalton Transactions</i> , 2011 , 40, 3805-7	4.3	75
165	Calcium-manganese oxides as structural and functional models for active site in oxygen evolving complex in photosystem II: lessons from simple models. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 104, 111-7	6.7	73
164	Nano-sized layered aluminium or zinc-manganese oxides as efficient water oxidizing catalysts. <i>Dalton Transactions</i> , 2012 , 41, 7134-40	4.3	64
163	Water oxidation by nano-layered manganese oxides in the presence of cerium(IV) ammonium nitrate: important factors and a proposed self-repair mechanism. <i>New Journal of Chemistry</i> , 2013 , 37, 2448	3.6	64

162	Self-assembled layered hybrid [Ru(bpy) ₃] ²⁺ /manganese(III,IV) oxide: a new and efficient strategy for water oxidation. <i>Chemical Communications</i> , 2011 , 47, 11724-6	5.8	57
161	Conversions of Mn oxides to nanolayered Mn oxide in electrochemical water oxidation at near neutral pH, all to a better catalyst: catalyst evolution. <i>Dalton Transactions</i> , 2013 , 42, 16683-6	4.3	56
160	Amorphous manganese-calcium oxides as a possible evolutionary origin for the CaMn ₄ cluster in photosystem II. <i>Origins of Life and Evolution of Biospheres</i> , 2011 , 41, 237-47	1.5	54
159	Nanoscale manganese oxide within Faujasite zeolite as an efficient and biomimetic water oxidizing catalyst. <i>Dalton Transactions</i> , 2012 , 41, 10156-60	4.3	52
158	A manganese oxide with phenol groups as a promising structural model for water oxidizing complex in Photosystem II: a 'golden fish'. <i>Dalton Transactions</i> , 2012 , 41, 3906-10	4.3	52
157	Nanolayered manganese oxide/poly(4-vinylpyridine) as a biomimetic and very efficient water oxidizing catalyst: toward an artificial enzyme in artificial photosynthesis. <i>Chemical Communications</i> , 2013 , 49, 8824-6	5.8	51
156	Damage Management in Water-Oxidizing Catalysts: From Photosystem II to Nanosized Metal Oxides. <i>ACS Catalysis</i> , 2015 , 5, 1499-1512	13.1	51
155	Applications of the nano to bulk Mn oxides: Mn oxide as a Swiss army knife. <i>Coordination Chemistry Reviews</i> , 2015 , 285, 65-75	23.2	48
154	A dinuclear iron complex with a single oxo bridge as an efficient water-oxidizing catalyst in the presence of cerium(IV) ammonium nitrate: new findings and current controversies. <i>Catalysis Science and Technology</i> , 2014 , 4, 30-33	5.5	48
153	Biohybrid solar cells: Fundamentals, progress, and challenges. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018 , 35, 134-156	16.4	47
152	Mechanism, decomposition pathway and new evidence for self-healing of manganese oxides as efficient water oxidizing catalysts: new insights. <i>Dalton Transactions</i> , 2013 , 42, 14603-11	4.3	47
151	Hollandite as a Functional and Structural Model for the Biological Water Oxidizing Complex: Manganese-Calcium Oxide Minerals as a Possible Evolutionary Origin for the CaMn ₄ Cluster of the Biological Water Oxidizing Complex. <i>Geomicrobiology Journal</i> , 2011 , 28, 714-718	2.5	47
150	Nanostructured manganese oxide/carbon nanotubes, graphene and graphene oxide as water-oxidizing composites in artificial photosynthesis. <i>Dalton Transactions</i> , 2014 , 43, 10866-76	4.3	43
149	Platinum/manganese oxide nanocomposites as water-oxidizing catalysts: New findings and current controversies. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 10825-10832	6.7	42
148	Amorphous manganese oxide-coated montmorillonite as an efficient catalyst for water oxidation. <i>New Journal of Chemistry</i> , 2012 , 36, 2514	3.6	42
147	New findings and the current controversies for water oxidation by a copper(II)-azo complex: homogeneous or heterogeneous?. <i>Dalton Transactions</i> , 2015 , 44, 15435-40	4.3	41
146	A tetranuclear nickel(II) complex for water oxidation: Meeting new challenges. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2857-2867	6.7	40
145	The biological water-oxidizing complex at the nano-bio interface. <i>Trends in Plant Science</i> , 2015 , 20, 559-603.1	3.1	39

144	Biological water-oxidizing complex: a nano-sized manganese-calcium oxide in a protein environment. <i>Photosynthesis Research</i> , 2012 , 114, 1-13	3-7	39
143	The first pentanuclear heterobimetallic coordination cation with CeIII, CeIV and MnII. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 125-127	3-1	39
142	The role of nano-sized manganese oxides in the oxygen-evolution reactions by manganese complexes: towards a complete picture. <i>Dalton Transactions</i> , 2014 , 43, 13122-35	4-3	38
141	Nano-size layered manganese-calcium oxide as an efficient and biomimetic catalyst for water oxidation under acidic conditions: comparable to platinum. <i>Dalton Transactions</i> , 2013 , 42, 5085-91	4-3	38
140	A 2-(2-hydroxyphenyl)-1H-benzimidazole-manganese oxide hybrid as a promising structural model for the tyrosine 161/histidine 190-manganese cluster in photosystem II. <i>Dalton Transactions</i> , 2013 , 42, 879-84	4-3	38
139	Water oxidation by a soluble iron(III)-cyclen complex: new findings. <i>Dalton Transactions</i> , 2016 , 45, 2618-2633		37
138	An aluminum/cobalt/iron/nickel alloy as a precatalyst for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 2083-2090	6-7	35
137	Nano-sized manganese oxide-bovine serum albumin was synthesized and characterized. It is promising and biomimetic catalyst for water oxidation. <i>RSC Advances</i> , 2012 , 2, 11253	3-7	35
136	Water oxidation catalyzed by two cobalt complexes: new challenges and questions. <i>Catalysis Science and Technology</i> , 2018 , 8, 1840-1848	5-5	34
135	Two new silver(I) complexes with 2,4,6-tris(2-pyridyl)-1,3,5-triazine (tptz): Preparation, characterization, crystal structure and alcohol oxidation activity in the presence of oxone. <i>Polyhedron</i> , 2010 , 29, 2837-2843	2-7	34
134	Water-oxidizing complex in Photosystem II: Its structure and relation to manganese-oxide based catalysts. <i>Coordination Chemistry Reviews</i> , 2020 , 409, 213183	23-2	33
133	Water oxidation by a copper(ii) complex: new findings, questions, challenges and a new hypothesis. <i>Dalton Transactions</i> , 2018 , 47, 9021-9029	4-3	28
132	Nanolayered manganese oxide/C(60) composite: a good water-oxidizing catalyst for artificial photosynthetic systems. <i>Dalton Transactions</i> , 2014 , 43, 12058-64	4-3	27
131	Nano-sized layered Mn oxides as promising and biomimetic water oxidizing catalysts for water splitting in artificial photosynthetic systems. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 133, 124-39	6-7	26
130	Comparison of nano-sized Mn oxides with the Mn cluster of photosystem II as catalysts for water oxidation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 294-306	4-6	25
129	Water oxidation by Ni(1,4,8,11-tetraazacyclotetradecane) in the presence of carbonate: new findings and an alternative mechanism. <i>Dalton Transactions</i> , 2018 , 47, 6519-6527	4-3	25
128	Gold or silver deposited on layered manganese oxide: a functional model for the water-oxidizing complex in photosystem II. <i>Photosynthesis Research</i> , 2013 , 117, 423-9	3-7	25
127	Treated Nanolayered Mn Oxide by Oxidizable Compounds: A Strategy To Improve the Catalytic Activity toward Water Oxidation. <i>Inorganic Chemistry</i> , 2016 , 55, 8827-32	5-1	24

126	A highly dispersible, magnetically separable and environmentally friendly nano-sized catalyst for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4616-4623	6.7	24
125	Polypeptide and Mn ^{II} α oxide: Toward a biomimetic catalyst for water-splitting systems. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 5504-5512	6.7	23
124	Mn oxide/nanodiamond composite: a new water-oxidizing catalyst for water oxidation. <i>RSC Advances</i> , 2014 , 4, 37613-37619	3.7	23
123	Mechanism of water oxidation by nanolayered manganese oxide: a step forward. <i>RSC Advances</i> , 2014 , 4, 6375-6378	3.7	23
122	The application of a nickel(II) Schiff base complex in water oxidation: the importance of nanosized materials. <i>Catalysis Science and Technology</i> , 2018 , 8, 3954-3968	5.5	23
121	Activated layered manganese oxides with deposited nano-sized gold or silver as an efficient catalyst for epoxidation of olefins. <i>RSC Advances</i> , 2013 , 3, 24069	3.7	22
120	Nano-layered manganese oxides as low-cost, easily synthesized, environmentally friendly and efficient catalysts for epoxidation of olefins. <i>RSC Advances</i> , 2012 , 2, 3654	3.7	22
119	Synthesis, X-ray structure, characterization and catalytic activity of a polymeric manganese(II) complex with iminodiacetate. <i>Applied Organometallic Chemistry</i> , 2011 , 25, 559-563	3.1	22
118	Cobalt/Cobalt Oxide Surface For Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6093-6105	8.3	22
117	A nickel(ii) complex under water-oxidation reaction: what is the true catalyst?. <i>Dalton Transactions</i> , 2019 , 48, 547-557	4.3	21
116	Water oxidation by a nickel complex: New challenges and an alternative mechanism. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 33563-33573	6.7	21
115	The conversion of CoSe ₂ to Co oxide under the electrochemical water oxidation condition. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 13469-13475	6.7	21
114	Self-healing for nanolayered manganese oxides in the presence of cerium(IV) ammonium nitrate: new findings. <i>New Journal of Chemistry</i> , 2015 , 39, 2547-2550	3.6	20
113	Water splitting by a pentanuclear iron complex. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 17434-17443	3.7	20
112	A transparent electrode with water-oxidizing activity. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22896-22904	6.7	20
111	Nanolayered manganese oxides: insights from inorganic electrochemistry. <i>Catalysis Science and Technology</i> , 2017 , 7, 3499-3510	5.5	19
110	Nickel/Vanadium Layered Double Hydroxide under Water-Oxidation Reaction: New Findings and Challenges. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17252-17262	8.3	19
109	Synthesis, characterization, crystal structure and oxygen-evolution activity of a manganese(II) complex with 2,4,6-tris (2-pyridyl)-1,3,5-triazine. <i>Polyhedron</i> , 2010 , 29, 3246-3250	2.7	19

108	An engineered polypeptide around nano-sized manganese-calcium oxide: copying plants for water oxidation. <i>Dalton Transactions</i> , 2015 , 44, 15271-8	4.3	18
107	Engineered polypeptide around nano-sized manganese-calcium oxide as an artificial water-oxidizing enzyme mimicking natural photosynthesis: Toward artificial enzymes with highly active site densities. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 17826-17836	6.7	18
106	Manganese oxide as a water-oxidizing catalyst: from the bulk to micro-scale. <i>New Journal of Chemistry</i> , 2014 , 38, 852	3.6	18
105	Nanosized manganese oxide supported on carbon black: A new, cheap and green composite for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 255-264	6.7	18
104	Synthesis, structural characterization and alcohol oxidation activity of a new mononuclear manganese(II) complex. <i>Transition Metal Chemistry</i> , 2010 , 35, 297-303	2.1	18
103	Nanolayered manganese-calcium oxide as an efficient and environmentally friendly catalyst for alcohol oxidation. <i>Journal of Molecular Catalysis A</i> , 2014 , 394, 303-308		17
102	New mononuclear manganese(II) complexes with 2,4,6-tris(2-pyridyl)-1,3,5-triazine (tptz) as selective catalyst in UHP oxidation of sulfides. <i>Polyhedron</i> , 2012 , 34, 202-209	2.7	17
101	Nanolayered manganese oxides as water-oxidizing catalysts: the effects of Cu(II) and Ni(II) ions. <i>RSC Advances</i> , 2014 , 4, 36017-36023	3.7	16
100	Heterogeneous water oxidation by bidentate Schiff base manganese complexes in the presence of cerium(IV) ammonium nitrate. <i>Transition Metal Chemistry</i> , 2009 , 34, 367-372	2.1	16
99	Nano-sized Mn oxides on halloysite or high surface area montmorillonite as efficient catalysts for water oxidation with cerium(IV) ammonium nitrate: support from natural sources. <i>Dalton Transactions</i> , 2015 , 44, 15441-9	4.3	15
98	Nano-sized Mn oxides as true catalysts for alcohol oxidation by a mononuclear manganese(II) complex. <i>Dalton Transactions</i> , 2015 , 44, 15121-5	4.3	15
97	A simple mathematical model for manganese oxide-coated montmorillonite as a catalyst for water oxidation: from nano to macro sized manganese oxide. <i>Dalton Transactions</i> , 2013 , 42, 11012-20	4.3	15
96	Transformation of La _{0.65} Sr _{0.35} MnO ₃ in electrochemical water oxidation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 8560-8568	6.7	14
95	Oxygen-evolution reaction by nickel/nickel oxide interface in the presence of ferrate(VI). <i>Scientific Reports</i> , 2020 , 10, 8757	4.9	13
94	Water exchange in manganese-based water-oxidizing catalysts in photosynthetic systems: from the water-oxidizing complex in photosystem II to nano-sized manganese oxides. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1395-410	4.6	13
93	The effect of different metal ions between nanolayers of manganese oxide on water oxidation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 247-52	6.7	13
92	Solution structure of a seven coordinated manganese(II) complex via electrospray ionization mass spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 1168-70	4.4	13
91	An efficient nickel oxides/nickel structure for water oxidation: a new strategy. <i>New Journal of Chemistry</i> , 2017 , 41, 1909-1913	3.6	12

90	Manganese oxides supported on nano-sized metal oxides as water-oxidizing catalysts for water-splitting systems: 3-Electrochemical studies. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 60-67	6.7	12
89	Manganese oxides as water-oxidizing catalysts for artificial photosynthetic systems: The effect of support. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 5475-5483	6.7	12
88	Nano-sized Mn oxide: A true catalyst in the water-oxidation reaction. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 152, 127-32	6.7	12
87	Current challenges in photosynthesis: from natural to artificial. <i>Frontiers in Plant Science</i> , 2014 , 5, 232	6.2	11
86	A mononuclear cobalt complex for water oxidation: new controversies and puzzles. <i>Dalton Transactions</i> , 2018 , 47, 16668-16673	4.3	11
85	Manganese oxides supported on gold nanoparticles: new findings and current controversies for the role of gold. <i>Photosynthesis Research</i> , 2015 , 126, 477-87	3.7	10
84	An efficient and inexpensive water-oxidizing manganese-based oxide electrode. <i>Dalton Transactions</i> , 2016 , 45, 16948-16954	4.3	10
83	A hexanuclear manganese(II) complex: synthesis, characterization and catalytic activity toward organic sulfide oxidation. <i>New Journal of Chemistry</i> , 2014 , 38, 5069-5074	3.6	10
82	A nanosized Mn oxide/boron nitride composite as a catalyst for water oxidation. <i>New Journal of Chemistry</i> , 2017 , 41, 10627-10633	3.6	10
81	Biomineralization: a proposed evolutionary origin for inorganic cofactors of enzymes. <i>Theory in Biosciences</i> , 2012 , 131, 265-72	1.3	10
80	Investigation of photo-electrochemical response of iron oxide/mixed-phase titanium oxide heterojunction toward possible solar energy conversion. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7241-7253	6.7	10
79	Rethink about electrolyte: Potassium fluoride as a promising additive to an electrolyte for the water oxidation by a nanolayered Mn oxide. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15160-15166	6.7	9
78	Nano-sized Mn ₃ O ₄ and MnOOH from the decomposition of Cyclodextrin-Mn: 2. The water-oxidizing activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 152, 112-8	6.7	9
77	Nano-sized manganese oxide coated sea sand: A new water-oxidizing catalyst. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22866-22875	6.7	9
76	Water oxidation by a manganese-potassium cluster: Mn oxide as a kinetically dominant true catalyst for water oxidation. <i>Catalysis Science and Technology</i> , 2018 , 8, 4390-4398	5.5	9
75	A nano-sized manganese oxide in a protein matrix as a natural water-oxidizing site. <i>Plant Physiology and Biochemistry</i> , 2014 , 81, 3-15	5.4	9
74	Photodamage of the manganese-calcium oxide: a model for UV-induced photodamage of the water oxidizing complex in photosystem II. <i>Dalton Transactions</i> , 2013 , 42, 4772-6	4.3	9
73	Iron oxide deposited on metallic nickel for water oxidation. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 658-663	3.8	8

72	PARAFAC study of bovine serum albumin conformational changes in the interaction with nanosized manganese oxide as a biomimetic model for water-oxidizing complex. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9733-9743	6.7	8
71	QSAR analysis for nano-sized layered manganese-calcium oxide in water oxidation: An application of chemometric methods in artificial photosynthesis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 152, 146-55	6.7	8
70	A very simple and high-yield method to synthesize nanolayered Mn oxide. <i>Dalton Transactions</i> , 2015 , 44, 1039-45	4.3	8
69	Photoelectrochemistry of manganese oxide/mixed phase titanium oxide heterojunction. <i>New Journal of Chemistry</i> , 2020 , 44, 3514-3523	3.6	8
68	Manganese oxides supported on nano-sized metal oxides as water-oxidizing catalysts for water splitting systems: 2-Water-oxidizing activities. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 18472-18477	6.7	8
67	Nanolayered manganese/calcium oxide as an efficient catalyst toward organic sulfide oxidation. <i>RSC Advances</i> , 2014 , 4, 10851-10855	3.7	8
66	An approach for catalyst design in artificial photosynthetic systems: focus on nanosized inorganic cores within proteins. <i>Photosynthesis Research</i> , 2013 , 117, 197-205	3.7	8
65	Revisiting Metal-Organic Frameworks for Oxygen Evolution: A Case Study. <i>Inorganic Chemistry</i> , 2020 , 59, 15335-15342	5.1	8
64	Mechanistic Understanding of Water Oxidation in the Presence of a Copper Complex by Electrochemical Liquid Transmission Electron Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19927-19937	9.5	8
63	Structural changes of a NiFe-based metal-organic framework during the oxygen-evolution reaction under alkaline conditions. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 19245-19253	6.7	8
62	Electrochemical water oxidation by simple manganese salts. <i>Scientific Reports</i> , 2019 , 9, 7749	4.9	7
61	Nano-sized Mn ₃ O ₄ and MnOOH from the decomposition of Cyclodextrin-Mn: 1. Synthesis and characterization. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 152, 106-11	6.7	7
60	Gold nanorods or nanoparticles deposited on layered manganese oxide: new findings. <i>New Journal of Chemistry</i> , 2015 , 39, 7260-7267	3.6	7
59	Manganese oxides supported on nano-sized metal oxides as water-oxidizing catalysts for water splitting systems: 1-synthesis and characterization. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 18465-18471	6.7	7
58	Nano-sized layered manganese oxide in a poly-L-glutamic acid matrix: a biomimetic, homogenized, heterogeneous structural model for the water-oxidizing complex in photosystem II. <i>RSC Advances</i> , 2014 , 4, 39077-39081	3.7	7
57	A new strategy to make an artificial enzyme: photosystem II around nanosized manganese oxide. <i>Catalysis Science and Technology</i> , 2017 , 7, 4451-4461	5.5	7
56	Electrochemical alcohols oxidation mediated by N-hydroxyphthalimide on nickel foam surface. <i>Scientific Reports</i> , 2020 , 10, 19378	4.9	7
55	Toward a nanosized iron based water-oxidizing catalyst. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22635-22642	6.7	7

54	A trimetallic organometallic precursor for efficient water oxidation. <i>Scientific Reports</i> , 2019 , 9, 3734	4.9	6
53	A simple, facile and low-cost method for the preparation of mixed-phase titanium oxide: toward efficient photoelectrochemical water oxidation. <i>New Journal of Chemistry</i> , 2019 , 43, 6989-7000	3.6	6
52	A manganese(ii) phthalocyanine under water-oxidation reaction: new findings. <i>Dalton Transactions</i> , 2019 , 48, 12147-12158	4.3	6
51	A water-oxidizing dinuclear iron complex as an efficient catalyst toward organic sulfide oxidation. <i>Journal of Coordination Chemistry</i> , 2014 , 67, 3026-3032	1.6	6
50	Imidazolium or guanidinium/layered manganese (III, IV) oxide hybrid as a promising structural model for the water-oxidizing complex of Photosystem II for artificial photosynthetic systems. <i>Photosynthesis Research</i> , 2013 , 117, 413-21	3.7	6
49	Treated nanolayered Mn oxide by potassium fluoride: An improvement for nanolayered Mn oxide toward water oxidation. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 21203-21211	6.7	6
48	A proposed mechanism to form nanosized Mn oxides from the decomposition of Cyclodextrin-Mn complex: Toward nanosized water-splitting catalysts with special morphology. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 11187-11198	6.7	5
47	Nanosized manganese oxide/holmium oxide: a new composite for water oxidation. <i>New Journal of Chemistry</i> , 2017 , 41, 13732-13741	3.6	5
46	Nanosized (Ni _{1-x} Zn _x)Fe ₂ O ₄ for water oxidation. <i>Nanoscale Advances</i> , 2019 , 1, 686-695	5.1	5
45	A new decomposition mechanism for metal complexes under water-oxidation conditions. <i>Scientific Reports</i> , 2019 , 9, 7483	4.9	5
44	Carbon for engineering of a water-oxidizing catalyst. <i>Dalton Transactions</i> , 2015 , 44, 20991-8	4.3	5
43	Water oxidation by simple manganese salts in the presence of cerium(iv) ammonium nitrate: towards a complete picture. <i>Dalton Transactions</i> , 2018 , 47, 1557-1565	4.3	5
42	Highly dispersed PtO ₂ on layered Mn oxide as water-oxidizing catalysts. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 6798-6804	6.7	5
41	The mechanism of water oxidation catalyzed by nanolayered manganese oxides: New insights. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 152, 133-8	6.7	5
40	Crystal Structure of Gua ₄ [Cu ₂ (Cit) ₂] {Gua = Guanidinium, Cit = Citrate = 2-hydroxo-1,2,3-tricarboxylatopropane}. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2007 , 23, X123-X124		5
39	Iron-Nickel oxide: a promising strategy for water oxidation. <i>New Journal of Chemistry</i> , 2020 , 44, 1517-1523	3.6	5
38	Electrochemical Synthesis of Sulfinate Esters: Nickel(II)-Catalyzed Oxidative Esterification of Thiols with Alcohols in an Undivided Cell. <i>ACS Omega</i> , 2020 , 5, 17947-17954	3.9	5
37	Dendrimer-Ni-Based Material: Toward an Efficient Ni-Fe Layered Double Hydroxide for Oxygen-Evolution Reaction. <i>Inorganic Chemistry</i> , 2021 , 60, 6073-6085	5.1	5

36	Photo-electrochemistry of metallic titanium/mixed phase titanium oxide. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 19433-19445	6.7	5
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