

Xiujuan Wu

List of Publications by Year in descending order

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27
papers

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687220

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docs citations

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1088
citing authors

#	ARTICLE	IF	CITATIONS
1	A bio-inspired coordination polymer as outstanding water oxidation catalyst via second coordination sphere engineering. <i>Nature Communications</i> , 2019, 10, 5074.	5.8	203
2	Copper-based homogeneous and heterogeneous catalysts for electrochemical water oxidation. <i>Nanoscale</i> , 2020, 12, 4187-4218.	2.8	79
3	Molecular complexes in water oxidation: Pre-catalysts or real catalysts. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2015, 25, 71-89.	5.6	75
4	A Cobalt@Cucurbit[5]uril Complex as a Highly Efficient Supramolecular Catalyst for Electrochemical and Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1976-1985.	7.2	55
5	A nonheme manganese(IV) oxo species generated in photocatalytic reaction using water as an oxygen source. <i>Chemical Communications</i> , 2015, 51, 4013-4016.	2.2	30
6	Homogeneous Electrochemical Water Oxidation at Neutral pH by Water-Soluble Ni^{II} Complexes Bearing Redox Non-Innocent Tetraamido Macrocyclic Ligands. <i>ChemSusChem</i> , 2020, 13, 3277-3282.	3.6	30
7	Dye-sensitized LaFeO_3 photocathode for solar-driven H_2 generation. <i>Chemical Communications</i> , 2019, 55, 12940-12943.	2.2	28
8	Electroless Plating of NiFeP Alloy on the Surface of Silicon Photoanode for Efficient Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11479-11488.	4.0	28
9	Hierarchically Structured $\text{FeNiO}_x/\text{H}_2\text{O}$ Electrocatalyst Formed by In-Situ Transformation of Metal Phosphate for Efficient Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018, 11, 1761-1767.	3.6	20
10	Selective Electro-oxidation of Alcohols to the Corresponding Aldehydes in Aqueous Solution via Cu^{III} Intermediates from CuO Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11855-11861.	3.2	19
11	A Cobalt@Cucurbit[5]uril Complex as a Highly Efficient Supramolecular Catalyst for Electrochemical and Photoelectrochemical Water Splitting. <i>Angewandte Chemie</i> , 2021, 133, 2004-2013.	1.6	18
12	Hierarchical $\text{CoS}_2/\text{Ni}_3\text{S}_2/\text{CoNiO}_x$ nanorods with favorable stability at 1 A cm^{-2} for electrocatalytic water oxidation. <i>Chemical Communications</i> , 2019, 55, 1564-1567.	2.2	15
13	Copper Selenide-Derived Copper Oxide Nanoplates as a Durable and Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Energy Technology</i> , 2020, 8, 2000142.	1.8	14
14	$\text{NiCo}/\text{Ni}/\text{CuO}$ nanosheets/nanowires on copper foam as an efficient and durable electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 21354-21363.	3.8	13
15	In Situ Formation of Efficient Cobalt-Based Water Oxidation Catalysts from Co^{2+} -Containing Tungstate and Molybdate Solutions. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2228-2233.	1.7	12
16	Boosting Electrocatalytic Water Oxidation by Creating Defects and Lattice Oxygen Active Sites on NiFe Nanosheets. <i>ChemSusChem</i> , 2020, 13, 5067-5072.	3.6	12
17	Exploration of electrocatalytic water oxidation properties of NiFe catalysts doped with nonmetallic elements (P, S, Se). <i>International Journal of Hydrogen Energy</i> , 2021, 46, 38992-39002.	3.8	10
18	An organic polymer CuPPc-derived copper oxide as a highly efficient electrocatalyst for water oxidation. <i>Chemical Communications</i> , 2020, 56, 3797-3800.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Molecular Engineering of Photocathodes based on Polythiophene Organic Semiconductors for Photoelectrochemical Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40602-40611.	4.0	8
20	Ligand- Controlled Electrodeposition of Highly Intrinsically Active and Optically Transparent NiFeO _x H _y Film as a Water Oxidation Electrocatalyst. <i>ChemSusChem</i> , 2017, 10, 4690-4694.	3.6	7
21	Urchin- Like Cobalt- Copper (Hydr)oxides as an Efficient Water Oxidation Electrocatalyst. <i>ChemPlusChem</i> , 2020, 85, 1339-1346.	1.3	7
22	Metalloid Te- Doped Fe- Based Catalysts Applied for Electrochemical Water Oxidation. <i>ChemistrySelect</i> , 2021, 6, 6154-6158.	0.7	7
23	Hollow Carbon@NiCo ₂ O ₄ Core- Shell Microspheres for Efficient Electrocatalytic Oxygen Evolution. <i>Energy Technology</i> , 2019, 7, 1800919.	1.8	5
24	Facile Synthesis of a Ternary Metal Hydroxide with Acid Treatment as an Effective and Durable Electrocatalyst in Water Oxidation. <i>ChemPlusChem</i> , 2018, 83, 577-581.	1.3	3
25	Electrochemical and photoelectrochemical water splitting with a CoO _x catalyst prepared by flame assisted deposition. <i>Dalton Transactions</i> , 2020, 49, 588-592.	1.6	3
26	Ni III - rich NiFeBa as an Efficient Catalyst for Water Oxidation. <i>ChemSusChem</i> , 2021, 14, 2516-2520.	3.6	2
27	Hierarchically Structured FeNiO _x H _y Electrocatalyst Formed by In- Situ Transformation of Metal Phosphate for Efficient Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018, 11, 1740-1740.	3.6	0