

Joaquín Soriano-López

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,270
citations

567281

15
h-index

677142

22
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25
all docs

25
docs citations

25
times ranked

1867
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyoxometalate electrocatalysts based on earth-abundant metals for efficient water oxidation in acidic media. <i>Nature Chemistry</i> , 2018, 10, 24-30.	13.6	375
2	Universal scaling relations for the rational design of molecular water oxidation catalysts with near-zero overpotential. <i>Nature Communications</i> , 2019, 10, 4993.	12.8	151
3	Identification of a Nonanuclear {Co ^{II} Co ⁹ } Polyoxometalate Cluster as a Homogeneous Catalyst for Water Oxidation. <i>Inorganic Chemistry</i> , 2012, 51, 11707-11715.	4.0	126
4	Cobalt Polyoxometalates as Heterogeneous Water Oxidation Catalysts. <i>Inorganic Chemistry</i> , 2013, 52, 4753-4755.	4.0	118
5	Redox tuning the Weakley-type polyoxometalate archetype for the oxygen evolution reaction. <i>Nature Catalysis</i> , 2018, 1, 208-213.	34.4	97
6	Electrochemically Driven Water-Oxidation Catalysis Beginning with Six Exemplary Cobalt Polyoxometalates: Is It Molecular, Homogeneous Catalysis or Electrode-Bound, Heterogeneous CoO _x Catalysis?. <i>Journal of the American Chemical Society</i> , 2018, 140, 12040-12055.	13.7	63
7	Tetracobalt-polyoxometalate catalysts for water oxidation: Key mechanistic details. <i>Journal of Catalysis</i> , 2017, 350, 56-63.	6.2	59
8	Nickel-Containing Keggin-Type Polyoxometalates as Hydrogen Evolution Catalysts: Photochemical Structure-Activity Relationships. <i>ChemPlusChem</i> , 2015, 80, 1389-1398.	2.8	45
9	Solution Speciation and Stability of Cobalt-Polyoxometalate Water Oxidation Catalysts by X-ray Scattering. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2833-2840.	2.0	40
10	Computational modelling of water oxidation catalysts. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 22-30.	4.8	35
11	Water oxidation electrocatalysis in acidic media with Co-containing polyoxometalates. <i>Journal of Catalysis</i> , 2020, 389, 345-351.	6.2	30
12	Conducting Organic Polymer Electrodes with Embedded Polyoxometalate Catalysts for Water Splitting. <i>ChemElectroChem</i> , 2017, 4, 3296-3301.	3.4	26
13	9-Cobalt(II)-Containing 27-Tungsto-3-germanate(IV): Synthesis, Structure, Computational Modeling, and Heterogeneous Water Oxidation Catalysis. <i>Inorganic Chemistry</i> , 2019, 58, 11308-11316.	4.0	23
14	Understanding polyoxometalates as water oxidation catalysts through iron vs. cobalt reactivity. <i>Chemical Science</i> , 2021, 12, 8755-8766.	7.4	23
15	A fast metal-metal bonded water oxidation catalyst. <i>Journal of Catalysis</i> , 2014, 315, 25-32.	6.2	20
16	Activity and Stability of the Tetramanganese Polyanion [Mn ₄ (H ₂ O) ₂ (PW ₉ O ₃₄) ₂] ¹⁰⁻ during Electrocatalytic Water Oxidation. <i>Inorganics</i> , 2015, 3, 332-340.	2.7	12
17	Photoinduced Oxygen Evolution Catalysis Promoted by Polyoxometalate Salts of Cationic Photosensitizers. <i>Frontiers in Chemistry</i> , 2018, 6, 302.	3.6	8
18	Bioinspired Water Oxidation Using a Mn-Oxo Cluster Stabilized by Non-Innocent Organic Tyrosine Y161 and Plastoquinone Mimics. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13648-13659.	6.7	7

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19	A cubane-type manganese complex with H ₂ O oxidation capabilities. Sustainable Energy and Fuels, 2020, 4, 4464-4468.	4.9	6
20	[Co ₉ (H ₂ O) ₆ (OH) ₃ (HPO ₄) ₂ (PW ₉ O ₃₄) ₃] ₁₆ ⁺ . Advances in Inorganic Chemistry, 2017, , 155-179.	1.0	2
21	Synthetic Approaches to Metallo-Supramolecular Co ^{II} Polygons and Potential Use for H ₂ O Oxidation. Inorganic Chemistry, 2020, 59, 14432-14438.	4.0	2
22	Tuning the Catalytic Water Oxidation Activity through Structural Modifications of High-Nuclearity Mn-oxo Clusters [Mn ₁₈ M] (M = Sr ²⁺ , Mn ²⁺). Water (Switzerland), 2021, 13, 2042.	2.7	2