

Nicolas Kaeffer

List of Publications by Year in descending order

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21
papers

1,491
citations

471371

17
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

2441
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemical Reduction of CO ₂ Coupled to Water Oxidation Using a Photocathode with a Ru(II)–Re(I) Complex Photocatalyst and a CoO _x /TaON Photoanode. <i>Journal of the American Chemical Society</i> , 2016, 138, 14152-14158.	6.6	260
2	Hydrogen Evolution Catalyzed by Cobalt Diimine–Dioxime Complexes. <i>Accounts of Chemical Research</i> , 2015, 48, 1286-1295.	7.6	228
3	Covalent Design for Dye-Sensitized H ₂ -Evolving Photocathodes Based on a Cobalt Diimine–Dioxime Catalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 12308-12311.	6.6	142
4	A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10727-10738.	1.3	135
5	The Dark Side of Molecular Catalysis: Diimine–Dioxime Cobalt Complexes Are Not the Actual Hydrogen Evolution Electrocatalyst in Acidic Aqueous Solutions. <i>ACS Catalysis</i> , 2016, 6, 3727-3737.	5.5	129
6	Molecular engineered nanomaterials for catalytic hydrogen evolution and oxidation. <i>Chemical Communications</i> , 2016, 52, 13728-13748.	2.2	98
7	Molecular cathode and photocathode materials for hydrogen evolution in photoelectrochemical devices. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2015, 25, 90-105.	5.6	84
8	The Key Ru ^V =O Intermediate of Site-Isolated Mononuclear Water Oxidation Catalyst Detected by <i>in Situ</i> X-ray Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 451-458.	6.6	83
9	An N-heterocyclic carbene ligand promotes highly selective alkyne semihydrogenation with copper nanoparticles supported on passivated silica. <i>Chemical Science</i> , 2018, 9, 5366-5371.	3.7	52
10	Atomically Dispersed Iridium on Indium Tin Oxide Efficiently Catalyzes Water Oxidation. <i>ACS Central Science</i> , 2020, 6, 1189-1198.	5.3	47
11	Oxygen Tolerance of a Molecular Engineered Cathode for Hydrogen Evolution Based on a Cobalt Diimine–Dioxime Catalyst. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13707-13713.	1.2	41
12	Dye-sensitized PS- <i>b</i> -P2VP-templated nickel oxide films for photoelectrochemical applications. <i>Interface Focus</i> , 2015, 5, 20140083.	1.5	32
13	Insights into the mechanism and aging of a noble-metal free H ₂ -evolving dye-sensitized photocathode. <i>Chemical Science</i> , 2018, 9, 6721-6738.	3.7	31
14	A robust ALD-protected silicon-based hybrid photoelectrode for hydrogen evolution under aqueous conditions. <i>Chemical Science</i> , 2019, 10, 4469-4475.	3.7	25
15	N–Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation Catalysts from Solid–State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19999-20007.	7.2	24
16	Electrocatalysis with Molecular Transition-Metal Complexes for Reductive Organic Synthesis. <i>Jacs Au</i> , 2022, 2, 1266-1289.	3.6	24
17	Origin of ligand-driven selectivity in alkyne semihydrogenation over silica-supported copper nanoparticles. <i>Journal of Catalysis</i> , 2018, 364, 437-445.	3.1	21
18	Electrocatalytic Semihydrogenation of Alkynes with [Ni(bpy) ₃] ²⁺ . <i>Jacs Au</i> , 2022, 2, 573-578.	3.6	18

#	ARTICLE	IF	CITATIONS
19	Small and Narrowly Distributed Copper Nanoparticles Supported on Carbon Prepared by Surface Organometallic Chemistry for Selective Hydrogenation and CO ₂ Electroconversion Processes. <i>ChemCatChem</i> , 2020, 12, 305-313.	1.8	9
20	Systematic Variation of 3d Metal Centers in a Redox-Innocent Ligand Environment: Structures, Electrochemical Properties, and Carbon Dioxide Activation. <i>Inorganic Chemistry</i> , 2021, , .	1.9	5
21	Nâ€Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation Catalysts from Solidâ€State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 20174-20182.	1.6	3