## Nicolas Kaeffer

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Photoelectrochemical Reduction of CO <sub>2</sub> Coupled to Water Oxidation Using a<br>Photocathode with a Ru(II)–Re(I) Complex Photocatalyst and a CoO <sub><i>x</i></sub> /TaON<br>Photoanode. Journal of the American Chemical Society, 2016, 138, 14152-14158. | 13.7 | 260       |
| 2  | Hydrogen Evolution Catalyzed by Cobalt Diimine–Dioxime Complexes. Accounts of Chemical Research, 2015, 48, 1286-1295.   | 15.6 | 228       |
| 3  | Covalent Design for Dye-Sensitized H <sub>2</sub> -Evolving Photocathodes Based on a Cobalt<br>Diimine–Dioxime Catalyst. Journal of the American Chemical Society, 2016, 138, 12308-12311.  | 13.7 | 142       |
| 4  | A comprehensive comparison of dye-sensitized NiO photocathodes for solar energy conversion.<br>Physical Chemistry Chemical Physics, 2016, 18, 10727-10738.  | 2.8  | 135       |
| 5  | The Dark Side of Molecular Catalysis: Diimine–Dioxime Cobalt Complexes Are Not the Actual Hydrogen<br>Evolution Electrocatalyst in Acidic Aqueous Solutions. ACS Catalysis, 2016, 6, 3727-3737.   | 11.2 | 129       |
| 6  | Molecular engineered nanomaterials for catalytic hydrogen evolution and oxidation. Chemical Communications, 2016, 52, 13728-13748.  | 4.1  | 98        |
| 7  | Molecular cathode and photocathode materials for hydrogen evolution in photoelectrochemical devices. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 25, 90-105.  | 11.6 | 84        |
| 8  | The Key Ru <sup>V</sup> =O Intermediate of Site-Isolated Mononuclear Water Oxidation Catalyst<br>Detected by <i>in Situ</i> X-ray Absorption Spectroscopy. Journal of the American Chemical Society,<br>2018, 140, 451-458.   | 13.7 | 83        |
| 9  | An N-heterocyclic carbene ligand promotes highly selective alkyne semihydrogenation with copper nanoparticles supported on passivated silica. Chemical Science, 2018, 9, 5366-5371.   | 7.4  | 52        |
| 10 | Atomically Dispersed Iridium on Indium Tin Oxide Efficiently Catalyzes Water Oxidation. ACS Central Science, 2020, 6, 1189-1198.  | 11.3 | 47        |
| 11 | Oxygen Tolerance of a Molecular Engineered Cathode for Hydrogen Evolution Based on a Cobalt<br>Diimine–Dioxime Catalyst. Journal of Physical Chemistry B, 2015, 119, 13707-13713.   | 2.6  | 41        |
| 12 | Dye-sensitized PS- <i>b</i> -P2VP-templated nickel oxide films for photoelectrochemical applications.<br>Interface Focus, 2015, 5, 20140083.  | 3.0  | 32        |
| 13 | Insights into the mechanism and aging of a noble-metal free H <sub>2</sub> -evolving dye-sensitized photocathode. Chemical Science, 2018, 9, 6721-6738.   | 7.4  | 31        |
| 14 | A robust ALD-protected silicon-based hybrid photoelectrode for hydrogen evolution under aqueous conditions. Chemical Science, 2019, 10, 4469-4475.  | 7.4  | 25        |
| 15 | Nâ€Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation<br>Catalysts from Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2020, 59,<br>19999-20007.   | 13.8 | 24        |
| 16 | Electrocatalysis with Molecular Transition-Metal Complexes for Reductive Organic Synthesis. Jacs Au, 2022, 2, 1266-1289.  | 7.9  | 24        |
| 17 | Origin of ligand-driven selectivity in alkyne semihydrogenation over silica-supported copper nanoparticles. Journal of Catalysis, 2018, 364, 437-445.   | 6.2  | 21        |
| 18 | Electrocatalytic Semihydrogenation of Alkynes with [Ni(bpy) <sub>3</sub> ] <sup>2+</sup> . Jacs Au, 2022, 2, 573-578.   | 7.9  | 18        |

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|----|--|-----|-----------|
| 19 | Small and Narrowly Distributed Copper Nanoparticles Supported on Carbon Prepared by Surface<br>Organometallic Chemistry for Selective Hydrogenation and CO 2 Electroconversion Processes.<br>ChemCatChem, 2020, 12, 305-313. | 3.7 | 9         |
| 20 | Systematic Variation of 3d Metal Centers in a Redox-Innocent Ligand Environment: Structures,<br>Electrochemical Properties, and Carbon Dioxide Activation. Inorganic Chemistry, 2021, , .                                    | 4.0 | 5         |
| 21 | Nâ€Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation<br>Catalysts from Solidâ€State NMR Spectroscopy. Angewandte Chemie, 2020, 132, 20174-20182.                                      | 2.0 | 3         |