

# Shaoqi Zhan

## List of Publications by Year in descending order

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14  
papers

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citations

1040056

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1058476

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all docs

15  
docs citations

15  
times ranked

358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intramolecular hydroxyl nucleophilic attack pathway by a polymeric water oxidation catalyst with single cobalt sites. <i>Nature Catalysis</i> , 2022, 5, 414-429.	34.4	85
2	The Carboxylate Ligand as an Oxide Relay in Catalytic Water Oxidation. <i>Journal of the American Chemical Society</i> , 2019, 141, 10247-10252.	13.7	47
3	Capturing the Role of Explicit Solvent in the Dimerization of Ru <sup>V</sup> (bda) Water Oxidation Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6962-6965.	13.8	42
4	Dynamics and Reactions of Molecular Ru Catalysts at Carbon Nanotube/Water Interfaces. <i>Journal of the American Chemical Society</i> , 2018, 140, 7498-7503.	13.7	42
5	From Ru-bda to Ru-bds: a step forward to highly efficient molecular water oxidation electrocatalysts under acidic and neutral conditions. <i>Nature Communications</i> , 2021, 12, 373.	12.8	37
6	Dynamics with Explicit Solvation Reveals Formation of the Prereactive Dimer as Sole Determining Factor for the Efficiency of Ru(bda) <sub>2</sub> Catalysts. <i>ACS Catalysis</i> , 2018, 8, 8642-8648.	11.2	30
7	Electrostatic Interactions Accelerating Water Oxidation Catalysis via Intercatalyst O-O Coupling. <i>Journal of the American Chemical Society</i> , 2021, 143, 2484-2490.	13.7	25
8	Hydrophobic/Hydrophilic Directionality Affects the Mechanism of Ru-Catalyzed Water Oxidation Reaction. <i>ACS Catalysis</i> , 2020, 10, 13364-13370.	11.2	15
9	Capturing the Role of Explicit Solvent in the Dimerization of Ru <sup>V</sup> (bda) Water Oxidation Catalysts. <i>Angewandte Chemie</i> , 2017, 129, 7066-7069.	2.0	10
10	Nucleophilic Attack by OH <sub>2</sub> or OH <sup>•</sup> : A Detailed Investigation on pH-Dependent Performance of a Ru Catalyst. <i>Organometallics</i> , 2019, 38, 1264-1268.	2.3	8
11	Molecular Engineering of Photocathodes based on Polythiophene Organic Semiconductors for Photoelectrochemical Hydrogen Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40602-40611.	8.0	8
12	Tuning the O-O bond formation pathways of molecular water oxidation catalysts on electrode surfaces via second coordination sphere engineering. <i>Chinese Journal of Catalysis</i> , 2021, 42, 460-469.	14.0	7
13	Switching the O-O Bond Formation Pathways of Ru-pda Water Oxidation Catalyst by Third Coordination Sphere Engineering. <i>Research</i> , 2021, 2021, 9851231.	5.7	7
14	Spatial Confinement of a Carbon Nanocone for an Efficient Oxygen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2252-2258.	4.6	4