

# Evan Wenbo Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

1,272  
citations

687363

13  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Challenges and Routes Forward for Nonaqueous Lithium-Air Batteries. <i>Chemical Reviews</i> , 2020, 120, 6558-6625.	47.7	356
2	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. <i>Nature Materials</i> , 2020, 19, 195-202.	27.5	237
3	In situ NMR metrology reveals reaction mechanisms in redox flow batteries. <i>Nature</i> , 2020, 579, 224-228.	27.8	132
4	Strong Metal-Support Interactions Enhance the Pairwise Selectivity of Parahydrogen Addition over Ir/TiO <sub>2</sub> . <i>ACS Catalysis</i> , 2016, 6, 974-978.	11.2	80
5	Silica-Encapsulated PtSn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogen-Induced Polarization of Gases and Liquids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3925-3929.	13.8	73
6	Shaped Ceria Nanocrystals Catalyze Efficient and Selective Parahydrogen-Enhanced Polarization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14270-14275.	13.8	70
7	Coupled <i>In Situ</i> NMR and EPR Studies Reveal the Electron Transfer Rate and Electrolyte Decomposition in Redox Flow Batteries. <i>Journal of the American Chemical Society</i> , 2021, 143, 1885-1895.	13.7	64
8	Parahydrogen-Induced Polarization by Pairwise Replacement Catalysis on Pt and Ir Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 1938-1946.	13.7	56
9	In situ electrochemical recomposition of decomposed redox-active species in aqueous organic flow batteries. <i>Nature Chemistry</i> , 2022, 14, 1103-1109.	13.6	55
10	Silica-Encapsulated PtSn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogen-Induced Polarization of Gases and Liquids. <i>Angewandte Chemie</i> , 2017, 129, 3983-3987.	2.0	37
11	Surface-Mediated Hyperpolarization of Liquid Water from Parahydrogen. <i>Chem</i> , 2018, 4, 1387-1403.	11.7	31
12	Semihydrogenation of Propyne over Cerium Oxide Nanorods, Nanocubes, and Nano-Octahedra: Facet-Dependent Parahydrogen-Induced Polarization. <i>ChemCatChem</i> , 2016, 8, 2197-2201.	3.7	26
13	Atomic-Scale Structure of Mesoporous Silica-Encapsulated Pt and PtSn Nanoparticles Revealed by Dynamic Nuclear Polarization-Enhanced <sup>29</sup> Si MAS NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7299-7307.	3.1	9
14	New Magnetic Resonance and Computational Methods to Study Crossover Reactions in Li-Air and Redox Flow Batteries Using TEMPO. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27520-27533.	3.1	9
15	<i>In situ</i> bulk magnetization measurements reveal the state of charge of redox flow batteries. <i>Chemical Communications</i> , 2022, 58, 1342-1345.	4.1	8
16	Designing for conjugate addition: an amine functionalised quinone anolyte for redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15188-15198.	10.3	7
17	Frontispiece: Shaped Ceria Nanocrystals Catalyze Efficient and Selective Parahydrogen-Enhanced Polarization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .	13.8	0