

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	<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
2	In situ electrochemical recombination of decomposed redox-active species in aqueous organic flow batteries. <i>Nature Chemistry</i> , 2022, 14, 1103-1109.	13.6	55
3	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
4	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
5	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
6	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. <i>Nature Materials</i> , 2020, 19, 195-202.	27.5	237
7	In situ NMR metrology reveals reaction mechanisms in redox flow batteries. <i>Nature</i> , 2020, 579, 224-228.	27.8	132
8	Current Challenges and Routes Forward for Nonaqueous Lithium-Air Batteries. <i>Chemical Reviews</i> , 2020, 120, 6558-6625.	47.7	356
9	Atomic-Scale Structure of Mesoporous Silica-Encapsulated Pt and PtSn Nanoparticles Revealed by Dynamic Nuclear Polarization-Enhanced ²⁹ Si MAS NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7299-7307.	3.1	9
10	Surface-Mediated Hyperpolarization of Liquid Water from Parahydrogen. <i>Chem</i> , 2018, 4, 1387-1403.	11.7	31
11	Silica-Encapsulated Pt-Sn 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
12	Silica-Encapsulated Pt-Sn 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
13	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
14	Strong Metal-Support Interactions Enhance the Pairwise Selectivity of Parahydrogen Addition over Ir/TiO ₂ . <i>ACS Catalysis</i> , 2016, 6, 974-978.	11.2	80
15	Frontispiece: Shaped Ceria Nanocrystals Catalyze Efficient and Selective Parahydrogen-Enhanced Polarization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .	13.8	0
16	Shaped Ceria Nanocrystals Catalyze Efficient and Selective Parahydrogen-Enhanced Polarization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14270-14275.	13.8	70
17	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