

Zhi-Wei Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2575755/publications.pdf>

Version: 2024-02-01

14
papers

518
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	Achillesâ€™ Heel of Lithiumâ€™Air Batteries: Lithium Carbonate. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3874-3886.	13.8	186
2	Probing Lithium Carbonate Formation in Trace-O ₂ -Assisted Aprotic Li-CO ₂ Batteries Using in Situ Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 322-328.	4.6	61
3	Large improvement of visible-light photocatalytic H ₂ -evolution based on cocatalyst-free Zn _{0.5} Cd _{0.5} S synthesized through a two-step process. <i>Catalysis Science and Technology</i> , 2017, 7, 961-967.	4.1	57
4	Deciphering CO ₂ Reduction Reaction Mechanism in Aprotic Liâ€™CO ₂ Batteries using <i>in Situ</i> Vibrational Spectroscopy Coupled with Theoretical Calculations. <i>ACS Energy Letters</i> , 2022, 7, 624-631.	17.4	33
5	Kinetics of the CO ₂ reduction reaction in aprotic Liâ€™CO ₂ batteries: a model study. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3290-3296.	10.3	29
6	Toward <i>high</i> performance lithiumâ€™oxygen batteries with cobaltâ€™based transition metal oxide catalysts: Advanced strategies and mechanical insights. <i>Informaâ€™Materials</i> , 2022, 4, .	17.3	29
7	Hydrogen-bonding-assisted charge transfer: significantly enhanced photocatalytic H ₂ evolution over g-C ₃ N ₄ anchored with ferrocene-based hole relay. <i>Catalysis Science and Technology</i> , 2018, 8, 2853-2859.	4.1	28
8	Bubble-templated synthesis of nanocatalyst Co/C as NADH oxidase mimic. <i>National Science Review</i> , 2022, 9, nwab186.	9.5	25
9	Li ₂ CO ₃ : Die Achillesferse von Lithiumâ€™Luftâ€™Batterien. <i>Angewandte Chemie</i> , 2018, 130, 3936-3949.	2.0	20
10	Direct <i>in Situ</i> Spectroscopic Evidence for Solution-Mediated Oxygen Reduction Reaction Intermediates in Aprotic Lithiumâ€™Oxygen Batteries. <i>Nano Letters</i> , 2022, 22, 501-507.	9.1	16
11	Relieving the â€™Sudden Deathâ€™ of Liâ€™O ₂ Batteries by Grafting an Antifouling Film on Cathode Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14753-14758.	8.0	15
12	Hunting the Culprits: Reactive Oxygen Species in Aprotic Lithiumâ€™Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1243-1255.	3.1	11
13	Anionic redox reaction triggered by trivalent Al ³⁺ in P3-Na _{0.65} Mn _{0.5} Al _{0.5} O ₂ . <i>Chemical Communications</i> , 2021, 57, 2867-2870.	4.1	7
14	On the Synthesis of Stereocalpin A: Partial Retraction/Correction of Previous Results and Rationalization of the Hidden Difficulties. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1185-1194.	4.9	1