

Zhi-Wei Zhao

List of Publications by Year in descending order

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papers

518
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840776

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docs citations

14
times ranked

719
citing authors

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