

Seung-Jae Shin

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

666
citations

933447

10
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

743
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-resolved observation of C-C coupling intermediates on Cu electrodes for selective electrochemical CO ₂ reduction. Energy and Environmental Science, 2020, 13, 4301-4311.	30.8	197
2	On the importance of the electric double layer structure in aqueous electrocatalysis. Nature Communications, 2022, 13, 174.	12.8	92
3	±MnO ₂ Nanowire-Anchored Highly Oxidized Cluster as a Catalyst for LiO ₂ Batteries: Superior Electrocatalytic Activity and High Functionality. Angewandte Chemie - International Edition, 2018, 57, 15984-15989.	13.8	76
4	Metal-Oxide Interfaces for Selective Electrochemical C-C Coupling Reactions. ACS Energy Letters, 2019, 4, 2241-2248.	17.4	62
5	Monolayered g-C ₃ N ₄ nanosheet as an emerging cationic building block for bifunctional 2D superlattice hybrid catalysts with controlled defect structures. Applied Catalysis B: Environmental, 2020, 277, 119191.	20.2	56
6	Dynamic metal-polymer interaction for the design of chemoselective and long-lived hydrogenation catalysts. Science Advances, 2020, 6, eabb7369.	10.3	53
7	Superior role of MXene nanosheet as hybridization matrix over graphene in enhancing interfacial electronic coupling and functionalities of metal oxide. Nano Energy, 2018, 53, 841-848.	16.0	36
8	Heterolayered 2D nanohybrids of uniformly stacked transition metal dichalcogenide-transition metal oxide monolayers with improved energy-related functionalities. Journal of Materials Chemistry A, 2018, 6, 15237-15244.	10.3	33
9	Synergistic Control of Structural Disorder and Surface Bonding Nature to Optimize the Functionality of Manganese Oxide as an Electrocatalyst and a Cathode for LiO ₂ Batteries. Small, 2020, 16, 1903265.	10.0	26
10	Tailoring a Dynamic Metal-Polymer Interaction to Improve Catalyst Selectivity and Longevity in Hydrogenation. Angewandte Chemie - International Edition, 2021, 60, 12482-12489.	13.8	19
11	Density functional theory in classical explicit solvents: Mean-field QM/MM method for simulating solid-liquid interfaces. Bulletin of the Korean Chemical Society, 2022, 43, 476-483.	1.9	7
12	±MnO ₂ Nanowire-Anchored Highly Oxidized Cluster as a Catalyst for LiO ₂ Batteries: Superior Electrocatalytic Activity and High Functionality. Angewandte Chemie, 2018, 130, 16216-16221.	2.0	6
13	Frontispiece: ±MnO ₂ Nanowire-Anchored Highly Oxidized Cluster as a Catalyst for LiO ₂ Batteries: Superior Electrocatalytic Activity and High Functionality. Angewandte Chemie - International Edition, 2018, 57, .	13.8	1
14	Electrocatalysts: Synergistic Control of Structural Disorder and Surface Bonding Nature to Optimize the Functionality of Manganese Oxide as an Electrocatalyst and a Cathode for LiO ₂ Batteries (Small 12/2020). Small, 2020, 16, 2070062.	10.0	1
15	Frontispiz: ±MnO ₂ Nanowire-Anchored Highly Oxidized Cluster as a Catalyst for LiO ₂ Batteries: Superior Electrocatalytic Activity and High Functionality. Angewandte Chemie, 2018, 130, .	2.0	0
16	Tailoring a Dynamic Metal-Polymer Interaction to Improve Catalyst Selectivity and Longevity in Hydrogenation. Angewandte Chemie, 2021, 133, 12590-12597.	2.0	0