

Dong-Hyung Kim

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,504
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

1876
citing authors

#	ARTICLE	IF	CITATIONS
1	Ampere-hour-scale zinc-air pouch cells. <i>Nature Energy</i> , 2021, 6, 592-604.	39.5	149
2	Heuristic Iron-Cobalt-Mediated Robust pH-Universal Oxygen Bifunctional Lusters for Reversible Aqueous and Flexible Solid-State Zn-Air Cells. <i>ACS Nano</i> , 2021, 15, 14683-14696.	14.6	51
3	In-situ reconstructed Ru atom array on γ -MnO ₂ with enhanced performance for acidic water oxidation. <i>Nature Catalysis</i> , 2021, 4, 1012-1023.	34.4	324
4	2D-organic framework confined metal single atoms with the loading reaching the theoretical limit. <i>Materials Horizons</i> , 2020, 7, 2726-2733.	12.2	26
5	Bipolar Energetics and Bifunctional Catalytic Activity of a Nanocrystalline Ru Thin-Film Enable High-Performance Photoelectrochemical Water Reduction and Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16402-16410.	8.0	2
6	Seebeck-voltage-triggered self-biased photoelectrochemical water splitting using HfO _x /SiO _x bi-layer protected Si photocathodes. <i>Scientific Reports</i> , 2019, 9, 9132.	3.3	14
7	Unveiling dual-linkage 3D hexaminobenzene metal-organic frameworks towards long-lasting advanced reversible Zn-air batteries. <i>Energy and Environmental Science</i> , 2019, 12, 727-738.	30.8	300
8	Long-Life Rechargeable Zn Air Battery Based on Binary Metal Carbide Armored by Nitrogen-Doped Carbon. <i>ACS Applied Energy Materials</i> , 2019, 2, 1747-1755.	5.1	53
9	A semiconductor junction photoelectrochemical device without a depletion region. <i>Nanoscale</i> , 2019, 11, 23013-23020.	5.6	2
10	Hierarchically Designed 3D Holey C ₂ N Aerogels as Bifunctional Oxygen Electrodes for Flexible and Rechargeable Zn-Air Batteries. <i>ACS Nano</i> , 2018, 12, 596-608.	14.6	159
11	Solid-State Rechargeable Zinc-Air Battery with Long Shelf Life Based on Nanoengineered Polymer Electrolyte. <i>ChemSusChem</i> , 2018, 11, 3215-3224.	6.8	55
12	Scalable 3-D Carbon Nitride Sponge as an Efficient Metal-Free Bifunctional Oxygen Electrocatalyst for Rechargeable Zn-Air Batteries. <i>ACS Nano</i> , 2017, 11, 347-357.	14.6	369