

# Dong-Hyung Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9085921/publications.pdf>

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12  
papers

1,504  
citations

933447

10  
h-index

1199594

12  
g-index

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all docs

12  
docs citations

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times ranked

1876  
citing authors

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