

Moon Gyu Park

List of Publications by Year in descending order

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26
papers

3,595
citations

331670

21
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

4906
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically Rechargeable Zinc-Air Batteries: Progress, Challenges, and Perspectives. <i>Advanced Materials</i> , 2017, 29, 1604685.	21.0	1,143
2	Recent progress and perspectives on bi-functional oxygen electrocatalysts for advanced rechargeable metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7107-7134.	10.3	408
3	Flexible High-Energy Polymer-Electrolyte-Based Rechargeable Zinc-Air Batteries. <i>Advanced Materials</i> , 2015, 27, 5617-5622.	21.0	258
4	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4977-4982.	13.8	258
5	Hollow Multivoid Nanocuboids Derived from Ternary Ni-Co-Fe Prussian Blue Analog for Dual-Electrocatalysis of Oxygen and Hydrogen Evolution Reactions. <i>Advanced Functional Materials</i> , 2018, 28, 1802129.	14.9	242
6	Self-Assembled NiO/Ni(OH) ₂ Nanoflakes as Active Material for High-Power and High-Energy Hybrid Rechargeable Battery. <i>Nano Letters</i> , 2016, 16, 1794-1802.	9.1	222
7	Synergistic Bifunctional Catalyst Design based on Perovskite Oxide Nanoparticles and Intertwined Carbon Nanotubes for Rechargeable Zinc-Air Battery Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 902-910.	8.0	176
8	3D Ordered Mesoporous Bifunctional Oxygen Catalyst for Electrically Rechargeable Zinc-Air Batteries. <i>Small</i> , 2016, 12, 2707-2714.	10.0	144
9	Design of Highly Active Perovskite Oxides for Oxygen Evolution Reaction by Combining Experimental and ab Initio Studies. <i>ACS Catalysis</i> , 2015, 5, 4337-4344.	11.2	107
10	Perovskite-Nitrogen-Doped Carbon Nanotube Composite as Bifunctional Catalysts for Rechargeable Lithium-Air Batteries. <i>ChemSusChem</i> , 2015, 8, 1058-1065.	6.8	92
11	Highly active Co-doped LaMnO ₃ perovskite oxide and N-doped carbon nanotube hybrid bi-functional catalyst for rechargeable zinc-air batteries. <i>Electrochemistry Communications</i> , 2015, 60, 38-41.	4.7	86
12	Hydrogen sulfide adsorption on nano-sized zinc oxide/reduced graphite oxide composite at ambient condition. <i>Applied Surface Science</i> , 2013, 276, 646-652.	6.1	71
13	Bifunctionally active and durable hierarchically porous transition metal-based hybrid electrocatalyst for rechargeable metal-air batteries. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 677-687.	20.2	64
14	Highly Active and Durable Nanocrystal-Decorated Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>ChemSusChem</i> , 2015, 8, 3129-3138.	6.8	57
15	Efficient and Durable Anion Exchange Membrane Water Electrolysis for a Commercially Available Electrolyzer Stack using Alkaline Electrolyte. <i>ACS Energy Letters</i> , 2022, 7, 2576-2583.	17.4	44
16	Enhanced electrical and mechanical properties of graphene nano-ribbon/thermoplastic polyurethane composites. <i>Carbon</i> , 2021, 174, 305-316.	10.3	38
17	Hierarchical Core-Shell Nickel Cobaltite Chestnut-like Structures as Bifunctional Electrocatalyst for Rechargeable Metal-Air Batteries. <i>ChemSusChem</i> , 2018, 11, 406-414.	6.8	30
18	Heavily nitrogen-doped acetylene black as a high-performance catalyst for oxygen reduction reaction. <i>Carbon</i> , 2017, 117, 12-19.	10.3	29

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19	Effect of active zinc oxide dispersion on reduced graphite oxide for hydrogen sulfide adsorption at mid-temperature. <i>Applied Surface Science</i> , 2013, 280, 360-365.	6.1	28
20	Self-Assembly of Spinel Nanocrystals into Mesoporous Spheres as Bifunctionally Active Oxygen Reduction and Evolution Electrocatalysts. <i>ChemSusChem</i> , 2017, 10, 2258-2266.	6.8	24
21	New Interpretation of the Performance of Nickel-Based Air Electrodes for Rechargeable Zinc-Air Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20153-20166.	3.1	24
22	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. <i>Angewandte Chemie</i> , 2016, 128, 5061-5066.	2.0	20
23	The conductivity of polydimethylsiloxane/graphene nano-ribbon foam composite with elongation. <i>Carbon</i> , 2020, 162, 328-338.	10.3	19
24	Cubic garnet solid polymer electrolyte for room temperature operable all-solid-state-battery. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5849-5863.	5.8	7
25	Effect of Reduced Graphite Oxide as Substrate for Zinc Oxide to Hydrogen Sulfide Adsorption. <i>Clean Technology</i> , 2013, 19, 300-305.	0.1	3
26	Batteries: Flexible High-Energy Polymer-Electrolyte-Based Rechargeable Zinc-Air Batteries (<i>Adv. Mater.</i>)	21.0	1