

# Dahyun Oh

## List of Publications by Year in descending order

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17  
papers

963  
citations

840776

11  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1773  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Solid-Electrolyte Interphase Forms in Aqueous Electrolytes. <i>Journal of the American Chemical Society</i> , 2017, 139, 18670-18680.	13.7	365
2	Biologically enhanced cathode design for improved capacity and cycle life for lithium-oxygen batteries. <i>Nature Communications</i> , 2013, 4, 2756.	12.8	157
3	Biologically Activated Noble Metal Alloys at the Nanoscale: For Lithium Ion Battery Anodes. <i>Nano Letters</i> , 2010, 10, 2433-2440.	9.1	121
4	M13 Virus-Directed Synthesis of Nanostructured Metal Oxides for Lithium-Oxygen Batteries. <i>Nano Letters</i> , 2014, 14, 4837-4845.	9.1	112
5	Graphene Sheets Stabilized on Genetically Engineered M13 Viral Templates as Conducting Frameworks for Hybrid Energy Storage Materials. <i>Small</i> , 2012, 8, 1006-1011.	10.0	57
6	M13 Virus Aerogels as a Scaffold for Functional Inorganic Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1603203.	14.9	37
7	Advances in Materials Design for All-Solid-state Batteries: From Bulk to Thin Films. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4727.	2.5	27
8	Biotemplating pores with size and shape diversity for Li-oxygen Battery Cathodes. <i>Scientific Reports</i> , 2017, 7, 45919.	3.3	25
9	Carbon-based artificial SEI layers for aqueous lithium-ion battery anodes. <i>RSC Advances</i> , 2020, 10, 674-681.	3.6	23
10	Effect of Transition Metal Oxide Cathodes on the Oxygen Evolution Reaction in $\text{O}_2$ Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1404-1411.	3.1	13
11	Flat Monolayer Graphene Cathodes for $\text{Li-O}_2$ Microbatteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 489-498.	8.0	12
12	Investigation of $\text{Li-O}_2$ Battery Performance Integrated with $\text{RuO}_2$ Inverse Opal Cathodes in DMSO. <i>ACS Applied Energy Materials</i> , 2019, 2, 5109-5115.	5.1	10
13	Microbe-Assisted Nanocomposite Anodes for Aqueous Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 39195-39204.	8.0	2
14	Genetically Programming Interfaces between Active Materials, Conductive Pathway and Current Collector in Li-Ion Batteries. <i>ECS Transactions</i> , 2012, 41, 55-64.	0.5	1
15	Design Criteria of SEI Layers for Lithium-Ion Batteries with Aqueous Electrolytes. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
16	Ionic Percolation Networks in Composite Electrodes for All-Solid-State Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1014-1014.	0.0	0
17	Tuning Ionic Conductivity and Stability of $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ Solid-State Electrolyte. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 212-212.	0.0	0