

# Hun Kim

## List of Publications by Citations

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17  
papers

627  
citations

11  
h-index

25  
g-index

27  
ext. papers

982  
ext. citations

16.9  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
17	Lithium-Oxygen Batteries and Related Systems: Potential, Status, and Future. <i>Chemical Reviews</i> , <b>2020</b> , 120, 6626-6683	68.1	279
16	Diverting Exploration of Silicon Anode into Practical Way: A Review Focused on Silicon-Graphite Composite for Lithium Ion Batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 35, 550-576	19.4	69
15	Review A Comparative Evaluation of Redox Mediators for Li-O <sub>2</sub> Batteries: A Critical Review. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A2274-A2293	3.9	51
14	Deactivation of redox mediators in lithium-oxygen batteries by singlet oxygen. <i>Nature Communications</i> , <b>2019</b> , 10, 1380	17.4	49
13	A dendrite- and oxygen-proof protective layer for lithium metal in lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3857-3862	13	48
12	Mutual Conservation of Redox Mediator and Singlet Oxygen Quencher in Lithium-Oxygen Batteries. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9914-9922	13.1	28
11	Oxidation Stability of Organic Redox Mediators as Mobile Catalysts in Lithium-Oxygen Batteries. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2122-2129	20.1	18
10	Long-Lasting Solid Electrolyte Interphase for Stable Li-Metal Batteries. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2153-2161	21.6	14
9	Verification for trihalide ions as redox mediators in Li-O <sub>2</sub> batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 148-153	19.4	14
8	Controllable and stable organometallic redox mediators for lithium oxygen batteries. <i>Materials Horizons</i> , <b>2020</b> , 7, 214-222	14.4	13
7	Tungsten Oxide/Zirconia as a Functional Polysulfide Mediator for High-Performance Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3168-3175	20.1	11
6	Limited effects of a redox mediator in lithium-oxygen batteries: indecomposable by-products. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5622-5628	13	10
5	State-of-the-art anodes of potassium-ion batteries: synthesis, chemistry, and applications. <i>Chemical Science</i> , <b>2021</b> , 12, 7623-7655	9.4	9
4	WO Nanowire/Carbon Nanotube Interlayer as a Chemical Adsorption Mediator for High-Performance Lithium-Sulfur Batteries. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
3	Achieving High-Performance Li-S Batteries via Polysulfide Adjoining Interface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 39435-39445	9.5	4
2	Lithium-Substituted Tunnel/Spinel Heterostructured Cathode Material for High-Performance Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008569	15.6	3
1	Ambilaterality of Redox Mediators towards O <sub>2</sub> in Li-O <sub>2</sub> Batteries: Trap and Quencher. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102442	15.6	2

