

# Wonsung Choi, $\text{å}''\text{æ}^0\text{æ}^\wedge$ •

## List of Publications by Year in descending order

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16  
papers

650  
citations

840776

11  
h-index

940533

16  
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16  
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16  
docs citations

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times ranked

953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous Electrochemistry of Poly(vinylanthraquinone) for Anode-Active Materials in High-Density and Rechargeable Polymer/Air Batteries. <i>Journal of the American Chemical Society</i> , 2011, 133, 19839-19843.	13.7	206
2	Radical Polymer-Wrapped SWNTs at a Molecular Level: High-Rate Redox Mediation Through a Percolation Network for a Transparent Charge-Storage Material. <i>Advanced Materials</i> , 2011, 23, 4440-4443.	21.0	103
3	Redox-active polyimide/carbon nanocomposite electrodes for reversible charge storage at negative potentials: expanding the functional horizon of polyimides. <i>Journal of Materials Chemistry</i> , 2010, 20, 5404.	6.7	83
4	Functionalization of poly(4-chloromethylstyrene) with anthraquinone pendants for organic anode-active materials. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1242-1247.	3.2	62
5	Robust and efficient charge storage by uniform grafting of TEMPO radical polymer around multi-walled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2999.	10.3	46
6	A 1000 Wh kg <sup>-1</sup> Li <sup>+</sup> Air battery: Cell design and performance. <i>Journal of Power Sources</i> , 2019, 419, 112-118.	7.8	32
7	Flexible free-standing air electrode with bimodal pore architecture for long-cycling Li-O <sub>2</sub> batteries. <i>Carbon</i> , 2017, 117, 454-461.	10.3	31
8	Nonconjugated Redox-Active Polymer Mediators for Rapid Electrocatalytic Charging of Lithium Metal Oxides. <i>ACS Applied Energy Materials</i> , 2019, 2, 6375-6382.	5.1	27
9	Keggin-type Polyoxometalates as Bidirectional Redox Mediators for Rechargeable Batteries. <i>Electrochemistry</i> , 2016, 84, 882-886.	1.4	18
10	Sequential and click-type postfunctionalization of regioregular poly(3-hexylthiophene) for realization of n-doped multiplet state. <i>Chemical Science</i> , 2013, 4, 345-350.	7.4	17
11	Ion-channel aligned gas-blocking membrane for lithium-air batteries. <i>Scientific Reports</i> , 2017, 7, 12037.	3.3	12
12	One step $\alpha$ - $\omega$ growth to spinning of biaxially multilayered CNT web electrode for long cycling Li-O <sub>2</sub> batteries. <i>Carbon</i> , 2021, 182, 318-326.	10.3	7
13	Ethylene oxide-based polymer electrolytes with fluoroalkyl moieties for stable lithium metal batteries. <i>Ionics</i> , 2020, 26, 4795-4802.	2.4	3
14	Improvement of preparation process for Li-ion conducting membranes composed of monolayered inorganic electrolyte particles and insulating polymer matrix. <i>Solid State Ionics</i> , 2019, 341, 115037.	2.7	1
15	Simple scalable processing method for a polymer/inorganic hybridized electrolyte. <i>Composites Science and Technology</i> , 2020, 197, 108249.	7.8	1
16	Pure bulk ion-conducting membrane for high-energy-density batteries. <i>Journal of Power Sources</i> , 2021, 482, 229025.	7.8	1