

# W Blake Hawley

## List of Publications by Year in descending order

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11  
papers

824  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Materials to Cell: State-of-the-Art and Prospective Technologies for Lithium-Ion Battery Electrode Processing. <i>Chemical Reviews</i> , 2022, 122, 903-956.	47.7	343
2	Role of silicon-graphite homogeneity as promoted by low molecular weight dispersants. <i>Journal of Power Sources</i> , 2022, 517, 230671.	7.8	12
3	Deconvoluting sources of failure in lithium metal batteries containing NMC and PEO-based electrolytes. <i>Electrochimica Acta</i> , 2022, 404, 139579.	5.2	11
4	Aqueous Ni-rich-cathode dispersions processed with phosphoric acid for lithium-ion batteries with ultra-thick electrodes. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 635-643.	9.4	34
5	Practical Considerations for Testing Polymer Electrolytes for High-Energy Solid-State Batteries. <i>ACS Energy Letters</i> , 2021, 6, 2240-2247.	17.4	40
6	Enabling aqueous processing for LiNi <sub>0.80</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> (NCA)-based lithium-ion battery cathodes using polyacrylic acid. <i>Electrochimica Acta</i> , 2021, 380, 138203.	5.2	33
7	Design and processing for high performance Li ion battery electrodes with double-layer structure. <i>Journal of Energy Storage</i> , 2021, 44, 103582.	8.1	21
8	Sustainable recycling of cathode scraps via Cyrene-based separation. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00202.	3.3	28
9	Lithium and transition metal dissolution due to aqueous processing in lithium-ion battery cathode active materials. <i>Journal of Power Sources</i> , 2020, 466, 228315.	7.8	61
10	Electrode manufacturing for lithium-ion batteries—Analysis of current and next generation processing. <i>Journal of Energy Storage</i> , 2019, 25, 100862.	8.1	188
11	Beneficial rheological properties of lithium-ion battery cathode slurries from elevated mixing and coating temperatures. <i>Journal of Energy Storage</i> , 2019, 26, 100994.	8.1	53