

Seong Jin An

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

1,595
citations

15
h-index

18
g-index

18
ext. papers

1,990
ext. citations

7.3
avg, IF

4.81
L-index

#	Paper	IF	Citations
17	The state of understanding of the lithium-ion-battery graphite solid electrolyte interphase (SEI) and its relationship to formation cycling. <i>Carbon</i> , 2016 , 105, 52-76	10.4	869
16	Toward Low-Cost, High-Energy Density, and High-Power Density Lithium-Ion Batteries. <i>Jom</i> , 2017 , 69, 1484-1496	2.1	108
15	Polybenzimidazoles for High Temperature Fuel Cell Applications. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1410-1413	4.8	76
14	Fast formation cycling for lithium ion batteries. <i>Journal of Power Sources</i> , 2017 , 342, 846-852	8.9	75
13	Enabling aqueous processing for crack-free thick electrodes. <i>Journal of Power Sources</i> , 2017 , 354, 200-206	8.9	75
12	Evaluation Residual Moisture in Lithium-Ion Battery Electrodes and Its Effect on Electrode Performance. <i>MRS Advances</i> , 2016 , 1, 1029-1035	0.7	66
11	Selecting the Best Graphite for Long-Life, High-Energy Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1837-A1845	3.9	44
10	Correlation of Electrolyte Volume and Electrochemical Performance in Lithium-Ion Pouch Cells with Graphite Anodes and NMC532 Cathodes. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A1195-A1202	3.9	41
9	Electrolyte Volume Effects on Electrochemical Performance and Solid Electrolyte Interphase in Si-Graphite/NMC Lithium-Ion Pouch Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18799-18808	9.5	41
8	Formation Challenges of Lithium-Ion Battery Manufacturing. <i>Joule</i> , 2019 , 3, 2884-2888	27.8	37
7	Design and Demonstration of Three-Electrode Pouch Cells for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A1755-A1764	3.9	36
6	Chemical Evolution in Silicon-Graphite Composite Anodes Investigated by Vibrational Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18641-18649	9.5	36
5	Balancing formation time and electrochemical performance of high energy lithium-ion batteries. <i>Journal of Power Sources</i> , 2018 , 402, 107-115	8.9	33
4	Long-Term Lithium-Ion Battery Performance Improvement via Ultraviolet Light Treatment of the Graphite Anode. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2866-A2875	3.9	28
3	Unveiling the Role of Al ₂ O ₃ in Preventing Surface Reconstruction During High-Voltage Cycling of Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1308-1313	6.1	22
2	Effects of Ultraviolet Light Treatment in Ambient Air on Lithium-Ion Battery Graphite and PVDF Binder. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A1121-A1126	3.9	6
1	A fast method for evaluating stability of lithium ion batteries at high C-rates. <i>Journal of Power Sources</i> , 2020 , 480, 228856	8.9	2

