

Lamuel David

List of Publications by Year in Descending Order

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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

2,228
citations

15
h-index

19
g-index

19
ext. papers

2,463
ext. citations

7.3
avg, IF

5.41
L-index

#	Paper	IF	Citations
17	Exfoliated transition metal dichalcogenide nanosheets for supercapacitor and sodium ion battery applications. <i>Royal Society Open Science</i> , 2019 , 6, 190437	3.3	30
16	High-Voltage Performance of Ni-Rich NCA Cathodes: Linking Operating Voltage with Cathode Degradation. <i>ChemElectroChem</i> , 2019 , 6, 5571-5580	4.3	6
15	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
14	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
13	Identifying degradation mechanisms in lithium-ion batteries with coating defects at the cathode. <i>Applied Energy</i> , 2018 , 231, 446-455	10.7	20
12	Toward Low-Cost, High-Energy Density, and High-Power Density Lithium-Ion Batteries. <i>Jom</i> , 2017 , 69, 1484-1496	2.1	108
11	Resolving the degradation pathways in high-voltage oxides for high-energy-density lithium-ion batteries; Alternation in chemistry, composition and crystal structures. <i>Nano Energy</i> , 2017 , 36, 76-84	17.1	26
10	Modification of Ni-Rich FCG NMC and NCA Cathodes by Atomic Layer Deposition: Preventing Surface Phase Transitions for High-Voltage Lithium-Ion Batteries. <i>Scientific Reports</i> , 2016 , 6, 26532	4.9	157
9	Silicon oxycarbide glass-graphene composite paper electrode for long-cycle lithium-ion batteries. <i>Nature Communications</i> , 2016 , 7, 10998	17.4	275
8	Three-dimensional polymer-derived ceramic/graphene paper as a Li-ion battery and supercapacitor electrode. <i>RSC Advances</i> , 2016 , 6, 53894-53902	3.7	30
7	Polysiloxane-functionalized graphene oxide paper: pyrolysis and performance as a Li-ion battery and supercapacitor electrode. <i>RSC Advances</i> , 2016 , 6, 74323-74331	3.7	10
6	Facile Synthesis and High Rate Capability of Silicon Carbonitride/Boron Nitride Composite with a Sheet-Like Morphology. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2783-2791	3.8	32
5	MoS ₂ /graphene composite paper for sodium-ion battery electrodes. <i>ACS Nano</i> , 2014 , 8, 1759-70	16.7	973
4	Synthesis and extreme rate capability of Si-Al-C-N functionalized carbon nanotube spray-on coatings as Li-ion battery electrode. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16056-64	9.5	27
3	Reduced Graphene Oxide Paper Electrode: Opposing Effect of Thermal Annealing on Li and Na Cyclability. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28401-28408	3.8	146
2	Synthesis of graphene films by rapid heating and quenching at ambient pressures and their electrochemical characterization. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 546-52	9.5	19
1	Synthesis of Surface-Functionalized WS ₂ Nanosheets and Performance as Li-Ion Battery Anodes. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1523-30	6.4	303

