Lamuel David

List of Publications by Citations

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	MoS2/graphene composite paper for sodium-ion battery electrodes. *ACS Nano*, **2014**, 8, 1759-70	16.7	973
16	Synthesis of Surface-Functionalized WS2 Nanosheets and Performance as Li-Ion Battery Anodes. *Journal of Physical Chemistry Letters*, **2012**, 3, 1523-30	6.4	303
15	Silicon oxycarbide glass-graphene composite paper electrode for long-cycle lithium-ion batteries. *Nature Communications*, **2016**, 7, 10998	17.4	275
14	Modification of Ni-Rich FCG NMC and NCA Cathodes by Atomic Layer Deposition: Preventing Surface Phase Transitions for High-Voltage Lithium-Ion Batteries. *Scientific Reports*, **2016**, 6, 26532	4.9	157
13	Reduced Graphene Oxide Paper Electrode: Opposing Effect of Thermal Annealing on Li and Na Cyclability. *Journal of Physical Chemistry C*, **2014**, 118, 28401-28408	3.8	146
12	Toward Low-Cost, High-Energy Density, and High-Power Density Lithium-Ion Batteries. *Jom*, **2017**, 69, 1484-1496	2.1	108
11	Selecting the Best Graphite for Long-Life, High-Energy Li-Ion Batteries. *Journal of the Electrochemical Society*, **2018**, 165, A1837-A1845	3.9	44
10	Facile Synthesis and High Rate Capability of Silicon Carbonitride/Boron Nitride Composite with a Sheet-Like Morphology. *Journal of Physical Chemistry C*, **2015**, 119, 2783-2791	3.8	32
9	Exfoliated transition metal dichalcogenide nanosheets for supercapacitor and sodium ion battery applications. *Royal Society Open Science*, **2019**, 6, 190437	3.3	30
8	Three-dimensional polymer-derived ceramic/graphene paper as a Li-ion battery and supercapacitor electrode. *RSC Advances*, **2016**, 6, 53894-53902	3.7	30
7	Synthesis and extreme rate capability of Si-Al-C-N functionalized carbon nanotube spray-on coatings as Li-ion battery electrode. *ACS Applied Materials & Interfaces*, **2014**, 6, 16056-64	9.5	27
6	Resolving the degradation pathways in high-voltage oxides for high-energy-density lithium-ion batteries; Alternation in chemistry, composition and crystal structures. *Nano Energy*, **2017**, 36, 76-84	17.1	26
5	Unveiling the Role of Al2O3 in Preventing Surface Reconstruction During High-Voltage Cycling of Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2019**, 2, 1308-1313	6.1	22
4	Identifying degradation mechanisms in lithium-ion batteries with coating defects at the cathode. *Applied Energy*, **2018**, 231, 446-455	10.7	20
3	Synthesis of graphene films by rapid heating and quenching at ambient pressures and their electrochemical characterization. *ACS Applied Materials & Interfaces*, **2013**, 5, 546-52	9.5	19
2	Polysiloxane-functionalized graphene oxide paper: pyrolysis and performance as a Li-ion battery and supercapacitor electrode. *RSC Advances*, **2016**, 6, 74323-74331	3.7	10
1	High-Voltage Performance of Ni-Rich NCA Cathodes: Linking Operating Voltage with Cathode Degradation. *ChemElectroChem*, **2019**, 6, 5571-5580	4.3	6