

Lamuel David

List of Publications by Year in descending order

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17
papers

2,695
citations

516215

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887659

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all docs

19
docs citations

19
times ranked

5268
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS ₂ /Graphene Composite Paper for Sodium-Ion Battery Electrodes. ACS Nano, 2014, 8, 1759-1770.	7.3	1,106
2	Synthesis of Surface-Functionalized WS ₂ Nanosheets and Performance as Li-Ion Battery Anodes. Journal of Physical Chemistry Letters, 2012, 3, 1523-1530.	2.1	342
3	Silicon oxycarbide glass-graphene composite paper electrode for long-cycle lithium-ion batteries. Nature Communications, 2016, 7, 10998.	5.8	327
4	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.	1.6	196
5	Toward Low-Cost, High-Energy Density, and High-Power Density Lithium-Ion Batteries. Jom, 2017, 69, 1484-1496.	0.9	186
6	Reduced Graphene Oxide Paper Electrode: Opposing Effect of Thermal Annealing on Li and Na Cyclability. Journal of Physical Chemistry C, 2014, 118, 28401-28408.	1.5	161
7	Selecting the Best Graphite for Long-Life, High-Energy Li-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1837-A1845.	1.3	65
8	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.	1.5	44
9	Unveiling the Role of Al ₂ O ₃ in Preventing Surface Reconstruction During High-Voltage Cycling of Lithium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 1308-1313.	2.5	41
10	Identifying degradation mechanisms in lithium-ion batteries with coating defects at the cathode. Applied Energy, 2018, 231, 446-455.	5.1	39
11	Three-dimensional polymer-derived ceramic/graphene paper as a Li-ion battery and supercapacitor electrode. RSC Advances, 2016, 6, 53894-53902.	1.7	37
12	Exfoliated transition metal dichalcogenide nanosheets for supercapacitor and sodium ion battery applications. Royal Society Open Science, 2019, 6, 190437.	1.1	37
13	Synthesis and Extreme Rate Capability of Si-Al-N Functionalized Carbon Nanotube Spray-on Coatings as Li-Ion Battery Electrode. ACS Applied Materials & Interfaces, 2014, 6, 16056-16064.	4.0	32
14	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.	8.2	30
15	Synthesis of Graphene Films by Rapid Heating and Quenching at Ambient Pressures and Their Electrochemical Characterization. ACS Applied Materials & Interfaces, 2013, 5, 546-552.	4.0	22
16	Polysiloxane-functionalized graphene oxide paper: pyrolysis and performance as a Li-ion battery and supercapacitor electrode. RSC Advances, 2016, 6, 74323-74331.	1.7	17
17	High-Voltage Performance of Ni-Rich NCA Cathodes: Linking Operating Voltage with Cathode Degradation. ChemElectroChem, 2019, 6, 5571-5580.	1.7	13