

Solomon T Oyakhire

List of Publications by Year in descending order

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12
papers

1,040
citations

1040056

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h-index

1199594

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g-index

12
all docs

12
docs citations

12
times ranked

519
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational solvent molecule tuning for high-performance lithium metal battery electrolytes. Nature Energy, 2022, 7, 94-106.	39.5	336
2	Capturing the swelling of solid-electrolyte interphase in lithium metal batteries. Science, 2022, 375, 66-70.	12.6	183
3	Suspension electrolyte with modified Li+ solvation environment for lithium metal batteries. Nature Materials, 2022, 21, 445-454.	27.5	155
4	Scalable, Ultrathin, and High-Temperature-Resistant Solid Polymer Electrolytes for Energy-Dense Lithium Metal Batteries. Advanced Energy Materials, 2022, 12, .	19.5	132
5	Applications of atomic layer deposition and chemical vapor deposition for perovskite solar cells. Energy and Environmental Science, 2020, 13, 1997-2023.	30.8	102
6	An X-ray Photoelectron Spectroscopy Primer for Solid Electrolyte Interphase Characterization in Lithium Metal Anodes. ACS Energy Letters, 2022, 7, 2540-2546.	17.4	46
7	Revealing and Elucidating ALD-Derived Control of Lithium Plating Microstructure. Advanced Energy Materials, 2020, 10, 2002736.	19.5	37
8	Electrical resistance of the current collector controls lithium morphology. Nature Communications, 2022, 13, .	12.8	20
9	Graphene coating on silicon anodes enabled by thermal surface modification for high-energy lithium-ion batteries. MRS Bulletin, 2022, 47, 127-133.	3.5	13
10	A Solution-Processable High-Modulus Crystalline Artificial Solid Electrolyte Interphase for Practical Lithium Metal Batteries. Advanced Energy Materials, 2022, 12, .	19.5	10
11	Understanding and Utilizing Reactive Oxygen Reservoirs in Atomic Layer Deposition of Metal Oxides with Ozone. Chemistry of Materials, 2022, 34, 5584-5597.	6.7	4
12	Methyl-methacrylate based aluminum hybrid film grown via three-precursor molecular layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 023405.	2.1	2