

Solomon T Oyakhire

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,040
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

519
citing authors

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