

# Tamene Tadesse Beyene

List of Publications by Year  
in descending order

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Version: 2024-02-01

12  
papers

682  
citations

1040056

9  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupling the origins of irreversible coulombic efficiency in anode-free lithium metal batteries. Nature Communications, 2021, 12, 1452.	12.8	111
2	Concentrated Dual-Salt Electrolyte to Stabilize Li Metal and Increase Cycle Life of Anode Free Li-Metal Batteries. Journal of the Electrochemical Society, 2019, 166, A1501-A1509.	2.9	104
3	Mechanistic understanding of the Sulfurized-Poly(acrylonitrile) cathode for lithium-sulfur batteries. Energy Storage Materials, 2020, 26, 483-493.	18.0	99
4	High-Rate and Long-Cycle Stability with a Dendrite-Free Zinc Anode in an Aqueous Zn-Ion Battery Using Concentrated Electrolytes. ACS Applied Energy Materials, 2020, 3, 4499-4508.	5.1	95
5	Binder-free ultra-thin graphene oxide as an artificial solid electrolyte interphase for anode-free rechargeable lithium metal batteries. Journal of Power Sources, 2020, 450, 227589.	7.8	93
6	Dual electrolyte additives of potassium hexafluorophosphate and tris (trimethylsilyl) phosphite for anode-free lithium metal batteries. Electrochimica Acta, 2019, 316, 52-59.	5.2	70
7	Effects of Concentrated Salt and Resting Protocol on Solid Electrolyte Interface Formation for Improved Cycle Stability of Anode-Free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 31962-31971.	8.0	58
8	Effect of diethyl carbonate solvent with fluorinated solvents as electrolyte system for anode free battery. Journal of Power Sources, 2020, 461, 228102.	7.8	26
9	Effects of Sulfur Doping and Temperature on the Energy Bandgap of ZnO Nanoparticles and Their Antibacterial Activities. ACS Omega, 2022, 7, 10796-10803.	3.5	23
10	Dilute dual-salt electrolyte for successful passivation of in-situ deposited Li anode and permit effective cycling of high voltage anode free batteries. Journal of Power Sources, 2022, 542, 231752.	7.8	3
11	Synergistic Effect of Cycling Strategies and Electrolyte for Effective Plating/Stripping of Anode Free Li Metal Batteries.. ECS Meeting Abstracts, 2019, , .	0.0	0
12	The Combined Effect of Cycling Strategy and Potential Electrolyte in Fast Charging/Discharging of Li-Metal Based Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0