

# Prayag Biswal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4934207/publications.pdf>

Version: 2024-02-01

11  
papers

598  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleation and Early Stage Growth of Li Electrodeposits. Nano Letters, 2019, 19, 8191-8200.	9.1	159
2	Solid-state polymer electrolytes for high-performance lithium metal batteries. Nature Communications, 2019, 10, 4398.	12.8	137
3	On the crystallography and reversibility of lithium electrodeposits at ultrahigh capacity. Nature Communications, 2021, 12, 6034.	12.8	70
4	Stabilizing Zinc Electrodeposition in a Battery Anode by Controlling Crystal Growth. Small, 2021, 17, e2101798.	10.0	58
5	On the Reversibility and Fragility of Sodium Metal Electrodes. Advanced Energy Materials, 2019, 9, 1901651.	19.5	48
6	Ultrathin zwitterionic polymeric interphases for stable lithium metal anodes. Matter, 2021, 4, 3753-3773.	10.0	35
7	The early-stage growth and reversibility of Li electrodeposition in Br-rich electrolytes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
8	Designing Polymeric Interphases for Stable Lithium Metal Deposition. Nano Letters, 2020, 20, 5749-5758.	9.1	23
9	Achieving Uniform Lithium Electrodeposition in Cross-Linked Poly(ethylene oxide) Networks: “Soft” Polymers Prevent Metal Dendrite Proliferation. Macromolecules, 2020, 53, 5445-5454.	4.8	22
10	Effects of viscous dissipation during forced convection of power-law fluids in microchannels. International Communications in Heat and Mass Transfer, 2017, 89, 83-90.	5.6	12
11	A reaction-dissolution strategy for designing solid electrolyte interphases with stable energetics for lithium metal anodes. Cell Reports Physical Science, 2022, 3, 100948.	5.6	8