Mukul D Tikekar

List of Publications by Year
in descending order

13 papers	**2,556** citations	840585 **11** h-index	1125617 **13** g-index
13 all docs	**13** docs citations	**13** times ranked	**3434** citing authors

#	Article	IF	Citations
1	Design principles for electrolytes and interfaces for stable lithium-metal batteries. Nature Energy, 2016, 1, .	19.8	1,339
2	Stable Cycling of Lithium Metal Batteries Using High Transference Number Electrolytes. Advanced Energy Materials, 2015, 5, 1402073.	10.2	314
3	Stabilizing electrodeposition in elastic solid electrolytes containing immobilized anions. Science Advances, 2016, 2, e1600320.	4.7	228
4	Stability Analysis of Electrodeposition across a Structured Electrolyte with Immobilized Anions. Journal of the Electrochemical Society, 2014, 161, A847-A855.	1.3	198
5	Nanostructured Electrolytes for Stable Lithium Electrodeposition in Secondary Batteries. Accounts of Chemical Research, 2015, 48, 2947-2956.	7.6	195
6	Highly Conductive, Sulfonated, UV-Cross-Linked Separators for Li–S Batteries. Chemistry of Materials, 2016, 28, 5147-5154.	3.2	82
7	Stabilizing electrochemical interfaces in viscoelastic liquid electrolytes. Science Advances, 2018, 4, eaao6243.	4.7	81
8	Confining electrodeposition of metals in structured electrolytes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6620-6625.	3.3	49
9	Electroconvection and Morphological Instabilities in Potentiostatic Electrodeposition across Liquid Electrolytes with Polymer Additives. Journal of the Electrochemical Society, 2018, 165, A3697-A3713.	1.3	24
10	Designing Polymeric Interphases for Stable Lithium Metal Deposition. Nano Letters, 2020, 20, 5749-5758.	4.5	23
11	Enthalpy-Driven Stabilization of Dispersions of Polymer-Grafted Nanoparticles in High-Molecular-Weight Polymer Melts. Langmuir, 2016, 32, 10621-10631.	1.6	16
12	A phase field model for dynamic simulations of reactive blending of polymers. Soft Matter, 2022, 18, 877-893.	1.2	6
13	Interfacial reaction-induced roughening in polymer thin films. Soft Matter, 2022, 18, 2936-2950.	1.2	1