Liuchuan Tong

List of Publications by Year
in descending order

		516710	752698
17	2,708	16	20
papers	citations	h-index	g-index

22	22	22	2199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alkaline quinone flow battery. Science, 2015, 349, 1529-1532.	12.6	833
2	A redox-flow battery with an alloxazine-based organic electrolyte. Nature Energy, 2016, 1, .	39.5	427
3	A Long-Lifetime All-Organic Aqueous Flow Battery Utilizing TMAP-TEMPO Radical. CheM, 2019, 5, 1861-1870.	11.7	196
4	Anthraquinone Derivatives in Aqueous Flow Batteries. Advanced Energy Materials, 2017, 7, 1601488.	19.5	189
5	Alkaline Benzoquinone Aqueous Flow Battery for Largeâ€Scale Storage of Electrical Energy. Advanced Energy Materials, 2018, 8, 1702056.	19.5	161
6	A Water-Miscible Quinone Flow Battery with High Volumetric Capacity and Energy Density. ACS Energy Letters, 2019, 4, 1342-1348.	17.4	154
7	Extending the Lifetime of Organic Flow Batteries via Redox State Management. Journal of the American Chemical Society, 2019, 141, 8014-8019.	13.7	151
8	Mapping the frontiers of quinone stability in aqueous media: implications for organic aqueous redox flow batteries. Journal of Materials Chemistry A, 2019, 7, 12833-12841.	10.3	128
9	Molecular Engineering of an Alkaline Naphthoquinone Flow Battery. ACS Energy Letters, 2019, 4, 1880-1887.	17.4	90
10	Symmetric All-Quinone Aqueous Battery. ACS Applied Energy Materials, 2019, 2, 4016-4021.	5.1	80
11	Total Synthesis of the Isodon Diterpene Sculponeatinâ€...N. Angewandte Chemie - International Edition, 2014, 53, 2988-2991.	13.8	67
12	A Biocompatible Alkene Hydrogenation Merges Organic Synthesis with Microbial Metabolism. Angewandte Chemie - International Edition, 2014, 53, 7785-7788.	13.8	64
13	UV-Vis spectrophotometry of quinone flow battery electrolyte for in situ monitoring and improved electrochemical modeling of potential and quinhydrone formation. Physical Chemistry Chemical Physics, 2017, 19, 31684-31691.	2.8	57
14	Flow Batteries: Alkaline Benzoquinone Aqueous Flow Battery for Largeâ€Scale Storage of Electrical Energy (Adv. Energy Mater. 8/2018). Advanced Energy Materials, 2018, 8, 1870034.	19.5	30
15	Comparison of Capacity Retention Rates During Cycling of Quinone-Bromide Flow Batteries. MRS Advances, 2017, 2, 431-438.	0.9	12
16	Synthesis of 5,5-Bicyclic Amidines as Ligands for Thermally Stable Vapor Deposition Precursors. Organometallics, 2017, 36, 1453-1456.	2.3	12
17	Synthesis of volatile, reactive coinage metal 5,5-bicyclic amidinates with enhanced thermal stability for chemical vapor deposition. Dalton Transactions, 2019, 48, 6709-6713.	3.3	4