Michael P Marshak

List of Publications by Year
in descending order

32 papers	3,173 citations	623734 14 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	3142 citing authors

#	Article	IF	Citations
1	Organic and Metal-Organic RFBs. , 2022, , 423-435.		3
2	Holistic design principles for flow batteries: Cation dependent membrane resistance and active species solubility. Journal of Power Sources, 2022, 520, 230877.	7.8	16
3	Bismuth Electrocatalyst Enabling Reversible Redox Kinetics of a Chelated Chromium Flow Battery Anolyte. Journal of the Electrochemical Society, 2022, 169, 030506.	2.9	8
4	Mediating anion-cation interactions to improve aqueous flow battery electrolytes. Applied Materials Today, 2022, 28, 101512.	4.3	6
5	Isolation and Characterization of a Highly Reducing Aqueous Chromium(II) Complex. Inorganic Chemistry, 2022, 61, 8752-8759.	4.0	8
6	Transport of Ligand Coordinated Iron and Chromium through Cation-Exchange Membranes. Journal of the Electrochemical Society, 2022, 169, 060532.	2.9	4
7	Î²-Diketones: Coordination and Application. , 2021, , 331-365.		4
8	Open for Bismuth: Main Group Metal-to-Ligand Charge Transfer. Inorganic Chemistry, 2021, 60, 10137-10146.	4.0	20
9	Iron flies higher. Nature Energy, 2021, 6, 854-855.	39.5	0
10	Synthesis, reactivity, and crystallography of a sterically hindered acyl triflate. Tetrahedron, 2021, 94, 132308.	1.9	0
11	Copper(II) as a Platform for Probing the Steric Demand of Bulky Î²-Diketonates. Inorganic Chemistry, 2020, 59, 423-432.	4.0	8
12	Evaluating aqueous flow battery electrolytes: a coordinated approach. Dalton Transactions, 2020, 49, 16047-16053.	3.3	14
13	Effect of Chelation on Ironâ€“Chromium Redox Flow Batteries. ACS Energy Letters, 2020, 5, 1758-1762.	17.4	62
14	Group 4 Organometallics Supported by Sterically Hindered <i>Î²</i>â€Diketonates. European Journal of Inorganic Chemistry, 2020, 2020, 1951-1959.	2.0	4
15	Minimizing Oxygen Permeation in Metal-Chelate Flow Batteries. ECS Transactions, 2020, 97, 237-245.	0.5	7
16	Titanium-Anthraquinone Material as a New Design Approach for Electrodes in Aqueous Rechargeable Batteries. Energies, 2020, 13, 1722.	3.1	2
17	Metal Chelate Flow Battery Chemistry. ECS Meeting Abstracts, 2020, MA2020-01, 512-512.	0.0	0
18	Chelated Chromium Electrolyte Enabling High-Voltage Aqueous Flow Batteries. Joule, 2019, 3, 2503-2512.	24.0	77

#	Article	IF	Citations
19	Sterically encumbered Î²-diketonates and base metal catalysis. Dalton Transactions, 2019, 48, 10714-10722.	3.3	12
20	Exploring Real-World Applications of Electrochemistry by Constructing a Rechargeable Lithium-Ion Battery. Journal of Chemical Education, 2019, 96, 3014-3017.	2.3	12
21	Synthesis of Sterically Hindered Î²-Diketones via Condensation of Acid Chlorides with Enolates. Journal of Organic Chemistry, 2019, 84, 7434-7442.	3.2	14
22	Anthraquinone Derivatives in Aqueous Flow Batteries. Advanced Energy Materials, 2017, 7, 1601488.	19.5	189
23	Bulky Î²-Diketones Enabling New Lewis Acidic Ligand Platforms. Inorganic Chemistry, 2017, 56, 11466-11469.	4.0	15
24	Alkaline quinone flow battery. Science, 2015, 349, 1529-1532.	12.6	833
25	My trek back to science. Science, 2015, 349, 1406-1406.	12.6	0
26	Computational design of molecules for an all-quinone redox flow battery. Chemical Science, 2015, 6, 885-893.	7.4	341
27	A metal-free organicâ€"inorganic aqueous flow battery. Nature, 2014, 505, 195-198.	27.8	1,333
28	Cycling of a Quinone-Bromide Flow Battery for Large-Scale Electrochemical Energy Storage. ECS Transactions, 2014, 61, 27-30.	0.5	41
29	Chromium(IV) Siloxide. Inorganic Chemistry, 2013, 52, 1173-1175.	4.0	23
30	Lewis Bases Trigger Intramolecular CH-Bond Activation: (tBu3SiO)2W=NtBu [rlhar2] (tBu3SiO)(Îº O,Îº C-tBu2SiOCMe2CH2)HW=NtBu. European Journal of Inorganic Chemistry, 2013, 2013, 4056-4067.	2.0	6
31	Cobalt in a Bis-Î²-diketiminate Environment. Inorganic Chemistry, 2012, 51, 11190-11197.	4.0	27
32	Thermodynamics, Kinetics, and Mechanism of (silox)3M(olefin) to (silox)3M(alkylidene) Rearrangements (silox =tBu3SiO; M = Nb, Ta). Journal of the American Chemical Society, 2005, 127, 4809-4830.	13.7	84