

Recent progress in organic redox flow batteries: Active membranes

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Emerging Membrane Technologies for Water and Energy Sustainability: Future Prospects, Constrains and Challenges. <i>Energies</i> , 2018, 11, 2997.	1.6	76
2	Organic Eutectic Electrolytes for Future Flow Batteries. <i>CheM</i> , 2018, 4, 2732-2734.	5.8	16
3	Gradient-Dispersed Metal-Organic Framework-Based Porous Membranes for Nonaqueous Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802533.	10.2	70
4	Highly Concentrated Phthalimide-Based Anolytes for Organic Redox Flow Batteries with Enhanced Reversibility. <i>CheM</i> , 2018, 4, 2814-2825.	5.8	105
5	Eutectic Electrolytes for High-Energy-Density Redox Flow Batteries. <i>ACS Energy Letters</i> , 2018, 3, 2875-2883.	8.8	95
6	Redox Flow Batteries: Want More Electrons? Go Organic!. <i>CheM</i> , 2018, 4, 2020-2021.	5.8	19
7	Ion conducting membranes for aqueous flow battery systems. <i>Chemical Communications</i> , 2018, 54, 7570-7588.	2.2	79
8	Multi-redox Molecule for High-Energy Redox Flow Batteries. <i>Joule</i> , 2018, 2, 1771-1782.	11.7	123
9	Solvent treatment: the formation mechanism of advanced porous membranes for flow batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15569-15576.	5.2	17
10	Lithium-Organic Nanocomposite Suspension for High-Energy-Density Redox Flow Batteries. <i>ACS Energy Letters</i> , 2018, 3, 1991-1997.	8.8	42
11	Redox targeting-based flow batteries. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 443001.	1.3	47
12	An Amperometric, Temperature-Independent, and Calibration-Free Method for the Real-Time State-of-Charge Monitoring of Redox Flow Battery Electrolytes. <i>Chemistry of Materials</i> , 2019, 31, 5363-5369.	3.2	18
13	PVDF/Graphene Composite Nanoporous Membranes for Vanadium Flow Batteries. <i>Membranes</i> , 2019, 9, 89.	1.4	27
14	Advanced Materials for Zinc-Based Flow Battery: Development and Challenge. <i>Advanced Materials</i> , 2019, 31, e1902025.	11.1	160
15	Enhancing the performance of an all-organic non-aqueous redox flow battery. <i>Journal of Power Sources</i> , 2019, 443, 227283.	4.0	38
17	Nanostructured organic and inorganic materials for Li-ion batteries: A review. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104684.	1.9	54
18	Recent advances in nanostructured electrode-electrolyte design for safe and next-generation electrochemical energy storage. <i>Materials Today Nano</i> , 2019, 8, 100057.	2.3	31
19	Perfunctionalized Dodecaborate Clusters as Stable Metal-Free Active Materials for Charge Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 4907-4913.	2.5	19

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20	Polybenzimidazole membrane with dual proton transport channels for vanadium flow battery applications. <i>Journal of Membrane Science</i> , 2019, 586, 202-210.	4.1	56
21	A novel paradigm for a sustainable mobility based on electric vehicles, photovoltaic panels and electric energy storage systems: Case studies for Naples and Salerno (Italy). <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 97-114.	8.2	55
22	Sulfonated poly(ether ether ketone) membrane for quinone-based organic flow batteries. <i>Journal of Membrane Science</i> , 2019, 584, 246-253.	4.1	20
23	A Cost-Effective Mixed Matrix Polyethylene Porous Membrane for Long-Cycle High Power Density Alkaline Zinc-Based Flow Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1901674.	7.8	20
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31	A Unique Single-Ion Mediation Approach for Crossover-Free Nonaqueous Redox Flow Batteries with a Na ⁺ Solid Electrolyte. <i>Small Methods</i> , 2020, 4, 1900697.	4.6	7
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39	Tuning the Performance of Aqueous Organic Redox Flow Batteries via First-Principles Calculations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10433-10438.	2.1	11
40	Carboxymethyl cellulose-based polyelectrolyte as cationic exchange membrane for zinc-iodine batteries. <i>Heliyon</i> , 2020, 6, e05391.	1.4	16
41	Decoupled low-cost ammonium-based electrolyte design for highly stable zinc-iodine redox flow batteries. <i>Energy Storage Materials</i> , 2020, 32, 465-476.	9.5	48
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170	Zinc-Bromine Rechargeable Batteries: From Device Configuration, Electrochemistry, Material to Performance Evaluation. <i>Nano-Micro Letters</i> , 2023, 15, .	14.4	2
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