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List of Publications by Year in descending order

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36 papers	1,539 citations	516710 16 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	1304 citing authors

#	Article	IF	Citations
1	Parameter Identification of Lithium-Ion Batteries by Coupling Electrochemical Impedance Spectroscopy with a Physics-Based Model. Journal of the Electrochemical Society, 2022, 169, 040561.	2.9	6
2	Toward High Energy Density Redox Targeting Flow Batteries With a Mushroom-Derived Electrolyte. Journal of Electrochemical Energy Conversion and Storage, 2022, 19, .	2.1	3
3	(Digital Presentation) Development of a Bio-Inspired Non-Aqueous Redox Flow Battery Utilizing Anionic Active Materials. ECS Meeting Abstracts, 2022, MA2022-01, 481-481.	0.0	0
4	Towards Selective Removal of Bromide from Drinking Water Resources using Electrochemical Desalination. Chemical Engineering Journal Advances, 2022, 12, 100369.	5.2	6
5	High-Capacity Bio-Inspired Redox Flow Batteries with Insoluble Redox Boosters. ECS Meeting Abstracts, 2022, MA2022-01, 482-482.	0.0	0
6	Exploring the Effectiveness of Carbon Cloth Electrodes for All-Vanadium Redox Flow Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 462-462.	0.0	0
7	Designing high energy density flow batteries by tuning active-material thermodynamics. RSC Advances, 2021, 11, 5432-5443.	3.6	8
8	Exploring the Structure-Function-Performance Relationship of Carbon Electrodes Toward Rational Design of High-Performance Redox Flow Cells. ECS Meeting Abstracts, 2021, MA2021-01, 215-215.	0.0	0
9	Computational and experimental investigation of the effect of cation structure on the solubility of anionic flow battery active-materials. Chemical Science, 2021, 12, 15892-15907.	7.4	8
10	Efficiency enhancement in photoelectrochemical water splitting: Defect passivation and boosted charge transfer kinetics of zinc oxide nanostructures via chalcopyrite/chalcogenide mix sensitization. Physical Review Materials, 2021, 5, .	2.4	5
11	Probing Li-ion concentration in an operating lithium ion battery using in situ Raman spectroscopy. Journal of Power Sources, 2020, 449, 227361.	7.8	19
12	Modeling the Effect of Channel Tapering on the Pressure Drop and Flow Distribution Characteristics of Interdigitated Flow Fields in Redox Flow Batteries. Processes, 2020, 8, 775.	2.8	16
13	Impact of flow configuration on electrosorption performance and energy consumption of CDI systems. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 134-144.	1.4	12
14	Investigation of Transport and Kinetic Nonideality in Solid Li-Ion Electrodes through Deconvolution of Electrochemical Impedance Spectra. Journal of the Electrochemical Society, 2020, 167, 020523.	2.9	12
15	An integrated solar cell with built-in energy storage capability. Electrochimica Acta, 2020, 349, 136368.	5.2	5
16	Impact of Corrosion Conditions on Carbon Paper Electrode Morphology and the Performance of a Vanadium Redox Flow Battery. Journal of the Electrochemical Society, 2019, 166, A353-A363.	2.9	24
17	Ultra-high-aspect-ratio vertically aligned 2D MoS2-1D TiO2 nanobelt heterostructured forests for enhanced photoelectrochemical performance. Electrochimica Acta, 2019, 316, 173-180.	5.2	17
18	Operando Spectroelectrochemical Characterization of a Highly Stable Bioinspired Redox Flow Battery Active Material. Journal of the Electrochemical Society, 2019, 166, A1745-A1751.	2.9	14

#	Article	IF	Citations
19	Obstructed flow field designs for improved performance in vanadium redox flow batteries. Journal of Applied Electrochemistry, 2019, 49, 551-561.	2.9	37
20	Elucidating Effects of Faradaic Imbalance on Vanadium Redox Flow Battery Performance: Experimental Characterization. Journal of the Electrochemical Society, 2019, 166, A3844-A3851.	2.9	19
21	Influence of thermal treatment conditions on capacitive deionization performance and charge efficiency of carbon electrodes. Separation and Purification Technology, 2018, 202, 67-75.	7.9	21
22	An organic-inorganic hybrid photoelectrochemical storage cell for improved solar energy storage. Electrochimica Acta, 2018, 263, 570-575.	5.2	14
23	Editors' Choiceâ€"Electrochemical Impedance Spectroscopy of Flowing Electrosorptive Slurry Electrodes. Journal of the Electrochemical Society, 2018, 165, E439-E444.	2.9	12
24	Bioinspired, high-stability, nonaqueous redox flow battery electrolytes. Journal of Materials Chemistry A, 2017, 5, 11586-11591.	10.3	22
25	Modeling of Ion Crossover in Vanadium Redox Flow Batteries: A Computationally-Efficient Lumped Parameter Approach for Extended Cycling. Journal of the Electrochemical Society, 2016, 163, A5244-A5252.	2.9	60
26	Enhancing Mass Transport in Redox Flow Batteries by Tailoring Flow Field and Electrode Design. Journal of the Electrochemical Society, 2016, 163, A5163-A5169.	2.9	142
27	Reducing capacity fade in vanadium redox flow batteries by altering charging and discharging currents. Journal of Power Sources, 2014, 246, 767-774.	7.8	83
28	Optimized Anion Exchange Membranes for Vanadium Redox Flow Batteries. ACS Applied Materials & Interfaces, 2013, 5, 7559-7566.	8.0	136
29	Species transport mechanisms governing capacity loss in vanadium flow batteries: Comparing NafionÂ® and sulfonated Radel membranes. Electrochimica Acta, 2013, 98, 66-74.	5.2	108
30	Optimizing membrane thickness for vanadium redox flow batteries. Journal of Membrane Science, 2013, 437, 108-113.	8.2	81
31	Identification of performance limiting electrode using asymmetric cell configuration in vanadium redox flow batteries. Journal of Power Sources, 2013, 225, 89-94.	7.8	136
32	Selective anion exchange membranes for high coulombic efficiency vanadium redox flow batteries. Electrochemistry Communications, 2013, 26, 37-40.	4.7	191
33	On the quantification of coulombic efficiency for vanadium redox flow batteries: Cutoff voltages vs. state-of-charge limits. Electrochemistry Communications, 2013, 35, 42-44.	4.7	16
34	A Transient Vanadium Flow Battery Model Incorporating Vanadium Crossover and Water Transport through the Membrane. Journal of the Electrochemical Society, 2012, 159, A1446-A1459.	2.9	298
35	International Summer Engineering Program on fuel cells for undergraduate engineering students. International Journal of Hydrogen Energy, 2011, 36, 3712-3725.	7.1	7
36	Work in progress - International Summer Engineering Program at METU: A bridge to global competency. , 2009, , .		1