Pui Ki Leung

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6820235/publications.pdf

Version: 2024-02-01

26	2,195	430442	610482
papers	citations	18 h-index	24 g-index

26	26	26	1990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emulating Spatial and Temporal Outputs From Fuel Cell and Battery Models: A Comparison of Deep Learning and Gaussian Process Models. Journal of Electrochemical Energy Conversion and Storage, 2023, 20, .	1.1	1
2	Optimization in Redox Flow Batteries. , 2022, , 545-556.		0
3	Rationally Designed Ternary Deep Eutectic Solvent Enabling Higher Performance for Non-Aqueous Redox Flow Batteries. Processes, 2022, 10, 649.	1.3	3
4	Hybrid power management for fuel cell/supercapacitor series hybrid electric vehicle. International Journal of Green Energy, 2021, 18, 128-143.	2.1	22
5	Facile segmented graphite felt electrode for iron-vanadium redox flow batteries with deep eutectic solvent (DES) electrolyte. Journal of Power Sources, 2021, 483, 229200.	4.0	22
6	Recent Advances in Electrochemical Water Oxidation to Produce Hydrogen Peroxide: A Mechanistic Perspective. ACS Sustainable Chemistry and Engineering, 2021, 9, 76-91.	3.2	59
7	A Solidâ€State Battery Cathode with a Polymer Composite Electrolyte and Low Tortuosity Microstructure by Directional Freezing and Polymerization. Advanced Energy Materials, 2021, 11, 2002387.	10.2	38
8	Lithium Metal Batteries: A Solidâ€State Battery Cathode with a Polymer Composite Electrolyte and Low Tortuosity Microstructure by Directional Freezing and Polymerization (Adv. Energy Mater. 1/2021). Advanced Energy Materials, 2021, 11, 2170004.	10.2	0
9	Wavelet Transform Based Fault Identification and Reconfiguration for a Reduced Switch Multilevel Inverter Fed Induction Motor Drive. Electronics (Switzerland), 2021, 10, 1023.	1.8	6
10	Modeling and analysis of hybrid multilevel converter for constant DC and fuel cell sources. Energy Storage, 2020, 2, e193.	2.3	4
11	Study on architecture design of electroactive sites on Vanadium Redox Flow Battery (V-RFB). E3S Web of Conferences, 2019, 80, 02004.	0.2	2
12	Evaluation of electrode materials for all-copper hybrid flow batteries. Journal of Power Sources, 2016, 310, 1-11.	4.0	36
13	Performance and polarization studies of the magnesiumâ€“antimony liquid metal battery with the use of in-situ reference electrode. RSC Advances, 2015, 5, 83096-83105.	1.7	13
14	Performance characterization of a vanadium redox flow battery at different operating parameters under a standardized test-bed system. Applied Energy, 2015, 137, 402-412.	5.1	92
15	A mixed acid based vanadiumâ€“cerium redox flow battery with a zero-gap serpentine architecture. Journal of Power Sources, 2015, 274, 651-658.	4.0	71
16	Real-time displacement and strain mappings of lithium-ion batteries using three-dimensional digital image correlation. Journal of Power Sources, 2014, 271, 82-86.	4.0	60
17	Corrosion of the zinc negative electrode of zincâ€“cerium hybrid redox flow batteries in methanesulfonic acid. Journal of Applied Electrochemistry, 2014, 44, 1025-1035.	1.5	37
18	Numerical investigations of flow field designs for vanadium redox flow batteries. Applied Energy, 2013, 105, 47-56.	5.1	264

#	Article	IF	Citations
19	Preparation of silica nanocomposite anion-exchange membranes with low vanadium-ion crossover for vanadium redox flow batteries. Electrochimica Acta, 2013, 105, 584-592.	2.6	113
20	Progress in redox flow batteries, remaining challenges and their applications in energy storage. RSC Advances, 2012, 2, 10125.	1.7	778
21	The influence of operational parameters on the performance of an undivided zincâ€“cerium flow battery. Electrochimica Acta, 2012, 80, 7-14.	2.6	41
22	High-potential zincâ€“lead dioxide rechargeable cells. Electrochimica Acta, 2012, 79, 117-125.	2.6	30
23	An undivided zincâ€“cerium redox flow battery operating at room temperature (295 K). Electrochemistry Communications, 2011, 13, 770-773.	2.3	95
24	Ce(III)/Ce(IV) in methanesulfonic acid as the positive half cell of a redox flow battery. Electrochimica Acta, 2011, 56, 2145-2153.	2.6	82
25	Zinc deposition and dissolution in methanesulfonic acid onto a carbon composite electrode as the negative electrode reactions in a hybrid redox flow battery. Electrochimica Acta, 2011, 56, 6536-6546.	2.6	125
26	Characterization of a zincâ€“cerium flow battery. Journal of Power Sources, 2011, 196, 5174-5185.	4.0	201