Pertti Kauranen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Determination of Ionic Diffusion Coefficients in Ionâ€Exchange Membranes: Strong Electrolytes and Sulfates with Dissociation Equilibria. ChemElectroChem, 2022, 9, .	3.4	5
2	Comparison of methodologies to estimate state-of-health of commercial Li-ion cells from electrochemical frequency response data. Journal of Power Sources, 2022, 542, 231814.	7.8	10
3	Bipolar Membrane Electrodialysis for Sulfate Recycling in the Metallurgical Industries. Membranes, 2021, 11, 718.	3.0	15
4	Electrodiffusion of ions in ion exchange membranes: Finite element simulations and experiments. Chemical Engineering Journal Advances, 2021, 8, 100169.	5.2	9
5	Role of impurity copper in Li-ion battery recycling to LiCoO2 cathode materials. Journal of Power Sources, 2020, 450, 227630.	7.8	38
6	Is the H2 economy realizable in the foreseeable future? Part III: H2 usage technologies, applications, and challenges and opportunities. International Journal of Hydrogen Energy, 2020, 45, 28217-28239.	7.1	139
7	Optimization and aging ofÂPt nanowires supported on single-walled carbon nanotubes as a cathode catalyst in polymer electrolyte membrane water electrolyser. International Journal of Hydrogen Energy, 2020, 45, 19121-19132.	7.1	4
8	Is the H2 economy realizable in the foreseeable future? Part II: H2 storage, transportation, and distribution. International Journal of Hydrogen Energy, 2020, 45, 20693-20708.	7.1	129
9	Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods. International Journal of Hydrogen Energy, 2020, 45, 13777-13788.	7.1	186
10	Stable Reference Electrode in Polymer Electrolyte Membrane Electrolyser for Three-Electrode Measurements. Journal of the Electrochemical Society, 2019, 166, F1326-F1336.	2.9	17
11	Economic Feasibility of Flow Batteries in Grid-Scale Applications. , 2018, , .		2
12	Conformal titanium nitride in a porous silicon matrix: A nanomaterial for in-chip supercapacitors. Nano Energy, 2016, 26, 340-345.	16.0	91
13	Development of carbon nanotube and graphite filled polyphenylene sulfide based bipolar plates for all-vanadium redox flow batteries. Journal of Power Sources, 2014, 256, 88-95.	7.8	59
14	Durability of carbon nanofiber (CNF) & carbon nanotube (CNT) as catalyst support for Proton Exchange Membrane Fuel Cells. Solid State Ionics, 2013, 231, 94-101.	2.7	111
15	Minimizing specific energy consumption of oxygen enrichment in polymeric hollow fiber membrane modules. Applied Energy, 2012, 94, 285-294.	10.1	24
16	Temperature optimisation of a diesel engine using exhaust gas heat recovery and thermal energy storage (diesel engine with thermal energy storage). Applied Thermal Engineering, 2010, 30, 631-638.	6.0	43
17	The effect of additives on the speed of the crystallization front of xylitol with various degrees of supercooling. Experimental Thermal and Fluid Science, 2010, 34, 523-527.	2.7	40