Pertti Kauranen

List of Publications by Year in descending order

17 papers	922 citations	758635 12 h-index	940134 16 g-index
17 all docs	17 docs citations	17 times ranked	1232 citing authors

#	Article	IF	Citations
1	Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods. International Journal of Hydrogen Energy, 2020, 45, 13777-13788.	3.8	186
2	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.	3.8	139
3	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.	3.8	129
4	Durability of carbon nanofiber (CNF) & carbon nanotube (CNT) as catalyst support for Proton Exchange Membrane Fuel Cells. Solid State Ionics, 2013, 231, 94-101.	1.3	111
5	Conformal titanium nitride in a porous silicon matrix: A nanomaterial for in-chip supercapacitors. Nano Energy, 2016, 26, 340-345.	8.2	91
6	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.	4.0	59
7	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.	3.0	43
8	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.	1.5	40
9	Role of impurity copper in Li-ion battery recycling to LiCoO2 cathode materials. Journal of Power Sources, 2020, 450, 227630.	4.0	38
10	Minimizing specific energy consumption of oxygen enrichment in polymeric hollow fiber membrane modules. Applied Energy, 2012, 94, 285-294.	5.1	24
11	Stable Reference Electrode in Polymer Electrolyte Membrane Electrolyser for Three-Electrode Measurements. Journal of the Electrochemical Society, 2019, 166, F1326-F1336.	1.3	17
12	Bipolar Membrane Electrodialysis for Sulfate Recycling in the Metallurgical Industries. Membranes, 2021, 11, 718.	1.4	15
13	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.	4.0	10
14	Electrodiffusion of ions in ion exchange membranes: Finite element simulations and experiments. Chemical Engineering Journal Advances, 2021, 8, 100169.	2.4	9
15	Determination of Ionic Diffusion Coefficients in Ionâ€Exchange Membranes: Strong Electrolytes and Sulfates with Dissociation Equilibria. ChemElectroChem, 2022, 9, .	1.7	5
16	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.	3.8	4
17	Economic Feasibility of Flow Batteries in Grid-Scale Applications. , 2018, , .		2