

# Pertti Kauranen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4576061/publications.pdf>

Version: 2024-02-01

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	Determination of Ionic Diffusion Coefficients in Ion-Exchange Membranes: Strong Electrolytes and Sulfates with Dissociation Equilibria. <i>ChemElectroChem</i> , 2022, 9, .	1.7	5
2	Comparison of methodologies to estimate state-of-health of commercial Li-ion cells from electrochemical frequency response data. <i>Journal of Power Sources</i> , 2022, 542, 231814.	4.0	10
3	Bipolar Membrane Electrodialysis for Sulfate Recycling in the Metallurgical Industries. <i>Membranes</i> , 2021, 11, 718.	1.4	15
4	Electrodifusion of ions in ion exchange membranes: Finite element simulations and experiments. <i>Chemical Engineering Journal Advances</i> , 2021, 8, 100169.	2.4	9
5	Role of impurity copper in Li-ion battery recycling to LiCoO <sub>2</sub> cathode materials. <i>Journal of Power Sources</i> , 2020, 450, 227630.	4.0	38
6	Is the H <sub>2</sub> economy realizable in the foreseeable future? Part III: H <sub>2</sub> usage technologies, applications, and challenges and opportunities. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28217-28239.	3.8	139
7	Optimization and aging of Pt nanowires supported on single-walled carbon nanotubes as a cathode catalyst in polymer electrolyte membrane water electrolyser. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19121-19132.	3.8	4
8	Is the H <sub>2</sub> economy realizable in the foreseeable future? Part II: H <sub>2</sub> storage, transportation, and distribution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20693-20708.	3.8	129
9	Is the H <sub>2</sub> economy realizable in the foreseeable future? Part I: H <sub>2</sub> production methods. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13777-13788.	3.8	186
10	Stable Reference Electrode in Polymer Electrolyte Membrane Electrolyser for Three-Electrode Measurements. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1326-F1336.	1.3	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. <i>Nano Energy</i> , 2016, 26, 340-345.	8.2	91
13	Development of carbon nanotube and graphite filled polyphenylene sulfide based bipolar plates for all-vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2014, 256, 88-95.	4.0	59
14	Durability of carbon nanofiber (CNF) & carbon nanotube (CNT) as catalyst support for Proton Exchange Membrane Fuel Cells. <i>Solid State Ionics</i> , 2013, 231, 94-101.	1.3	111
15	Minimizing specific energy consumption of oxygen enrichment in polymeric hollow fiber membrane modules. <i>Applied Energy</i> , 2012, 94, 285-294.	5.1	24
16	Temperature optimisation of a diesel engine using exhaust gas heat recovery and thermal energy storage (diesel engine with thermal energy storage). <i>Applied Thermal Engineering</i> , 2010, 30, 631-638.	3.0	43
17	The effect of additives on the speed of the crystallization front of xylitol with various degrees of supercooling. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 523-527.	1.5	40