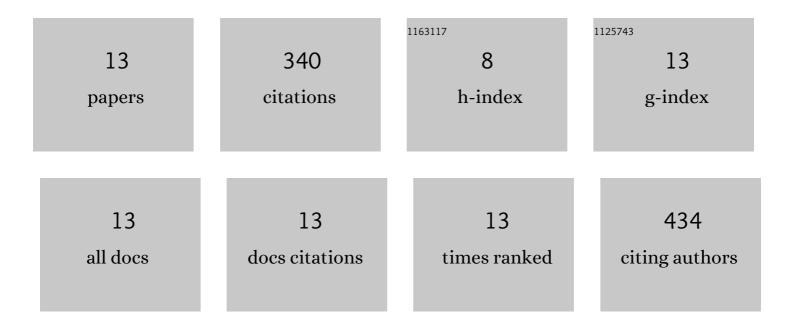
Manik Mayur

List of Publications by Year in descending order

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ΜλΝΙΚ ΜΑΥΠΟ

#	Article	IF	CITATIONS
1	Performance and degradation of Proton Exchange Membrane Fuel Cells: State of the art in modeling from atomistic to system scale. Journal of Power Sources, 2016, 304, 207-233.	7.8	180
2	A multi-timescale modeling methodology for PEMFC performance and durability in a virtual fuel cell car. International Journal of Hydrogen Energy, 2015, 40, 16466-16476.	7.1	44
3	Lifetime Prediction of a Polymer Electrolyte Membrane Fuel Cell under Automotive Load Cycling Using a Physically-Based Catalyst Degradation Model. Energies, 2018, 11, 2054.	3.1	40
4	Free-surface instability in electro-osmotic flows of ultrathin liquid films. Physical Review E, 2012, 85, 046301.	2.1	15
5	Modeling and simulation of the thermodynamics of lithium-ion battery intercalation materials in the open-source software Cantera. Electrochimica Acta, 2019, 323, 134797.	5.2	14
6	Identification of stoichiometric and microstructural parameters of a lithium-ion cell with blend electrode. Physical Chemistry Chemical Physics, 2019, 21, 23672-23684.	2.8	10
7	Effect of interfacial <scp>M</scp> axwell stress on time periodic electroâ€osmotic flow in a thin liquid film with a flat interface. Electrophoresis, 2014, 35, 670-680.	2.4	8
8	Electrokinetic instability of liquid micro- and nanofilms with a mobile charge. Physics of Fluids, 2015, 27, .	4.0	8
9	Surface-charge-induced alteration of nanovortex patterning in nanoscale confinements with patterned wettability gradients. Physical Review E, 2012, 85, 016315.	2.1	7
10	Maxwell stress-induced flow control of a free surface electro-osmotic flow in a rectangular microchannel. Microfluidics and Nanofluidics, 2014, 16, 721-728.	2.2	6
11	Two-Dimensional Computational Fluid Dynamics Analysis of Transport Limitations of Different Electrolyte Systems in a Lithium-Air Button Cell Cathode. Journal of the Electrochemical Society, 2017, 164, E3489-E3498.	2.9	4
12	Long-wave interface instabilities of a two-liquid DC electroosmotic system for thin films. Microfluidics and Nanofluidics, 2015, 19, 813-827.	2.2	3
13	Maxwell stress generated long wave instabilities in a thin aqueous film under time-dependent electro-osmotic flow. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	1