Murray Thomson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18 papers	1,347 citations	11 h-index	18 g-index
18 ext. papers	1,559 ext. citations	3.3 avg, IF	4.6 L-index

#	Paper	IF	Citations
18	Domestic electricity use: A high-resolution energy demand model. *Energy and Buildings*, **2010**, 42, 1878-1887	7	619
17	A high-resolution domestic building occupancy model for energy demand simulations. *Energy and Buildings*, **2008**, 40, 1560-1566	7	340
16	Network Power-Flow Analysis for a High Penetration of Distributed Generation. *IEEE Transactions on Power Systems*, **2007**, 22, 1157-1162	7	118
15	Photovoltaic metering configurations, feed-in tariffs and the variable effective electricity prices that result. *IET Renewable Power Generation*, **2013**, 7, 235-245	2.9	44
14	Assessing heat pumps as flexible load. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **2013**, 227, 30-42	1.6	39
13	Diagramming social practice theory: An interdisciplinary experiment exploring practices as networks. *Indoor and Built Environment*, **2015**, 24, 950-969	1.8	36
12	Integrated simulation of photovoltaic micro-generation and domestic electricity demand: a one-minute resolution open-source model. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **2013**, 227, 73-81	1.6	34
11	Going with the wind: temporal characteristics of potential wind curtailment in Ireland in 2020 and opportunities for demand response. *IET Renewable Power Generation*, **2015**, 9, 66-77	2.9	27
10	Realising transition pathways for a more electric, low-carbon energy system in the United Kingdom: Challenges, insights and opportunities. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **2017**, 231, 440-477	1.6	24
9	Keep it simple: time-of-use tariffs in high-wind scenarios. *IET Renewable Power Generation*, **2015**, 9, 176-183	2.9	24
8	Impacts of Demand Data Time Resolution on Estimates of Distribution System Energy Losses. *IEEE Transactions on Power Systems*, **2015**, 30, 1483-1491	7	19
7	Series impedance of distribution cables with sector-shaped conductors. *IET Generation, Transmission and Distribution*, **2015**, 9, 2679-2685	2.5	8
6	A modelling framework for the study of highly distributed power systems and demand side management **2009**,		6
5	Modified operation of a small scale energy recovery device for seawater reverse osmosis. *Desalination and Water Treatment*, **2010**, 13, 195-202		3
4	Time-step analysis of the DECC 2050 Calculator pathways. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, **2017**, 231, 551-579	1.6	2
3	Energy Disaggregation Using Energy Demand Model and IoT-Based Control. *IEEE Transactions on Industry Applications*, **2020**, 1-1	4.3	2
2	A Domestic Demand Model for India. *Springer Proceedings in Energy*, **2020**, 743-753	0.2	2

List of Publications

1 Solar Power and Energy Storage for Decarbonization of Land Transport in India. *Energies*, **2021**, 14, 8277 3.1 0