Jonathan Chambers

List of Publications by Year
in descending order

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38 papers	4,715 citations	430442 18 h-index	360668 35 g-index
38 all docs	38 docs citations	38 times ranked	4670 citing authors

#	Article	IF	Citations
1	Shallow geothermal energy potential for heating and cooling of buildings with regeneration under climate change scenarios. Energy, 2022, 244, 123086.	4.5	30
2	Tracking the impacts of climate change on human health via indicators: lessons from the Lancet Countdown. BMC Public Health, 2022, 22, 663.	1.2	20
3	Optimal spatial resource allocation in networks: Application to district heating and cooling. Computers and Industrial Engineering, 2022, 171, 108448.	3.4	4
4	The 2020 report of The Lancet Countdown on health and climate change: responding to converging crises. Lancet, The, 2021, 397, 129-170.	6.3	1,030
5	A Monte Carlo building stock model of space cooling demand in the Swiss service sector under climate change. Energy and Buildings, 2021, 233, 110662.	3.1	17
6	Potential and costs of decentralized heat pumps and thermal networks in Swiss residential areas. International Journal of Energy Research, 2021, 45, 15245-15264.	2.2	3
7	In search of optimal consumption: A review of causes and solutions to the Energy Performance Gap in residential buildings. Energy and Buildings, 2021, 249, 111253.	3.1	46
8	Geospatial global sensitivity analysis of a heat energy service decarbonisation model of the building stock. Applied Energy, 2021, 302, 117592.	5.1	5
9	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Lancet, The, 2021, 398, 1619-1662.	6.3	669
10	The Energy Performance Gap in Swiss residential buildings: a roadmap for improvement. Journal of Physics: Conference Series, 2021, 2042, 012143.	0.3	0
11	A comparative analysis of patterns of electricity use and flexibility potential of domestic and non-domestic building archetypes through data mining techniques. Journal of Physics: Conference Series, 2021, 2042, 012021.	0.3	2
12	ï»¿Correlating heatwaves and relative humidity with suicideÂ(fatal intentional self-harm). Scientific Reports, 2021, 11, 22175.	1.6	33
13	Presentation of new geospatial datasets for renewable thermal energy systems modelling in Switzerland. Journal of Physics: Conference Series, 2021, 2042, 012003.	0.3	1
14	An optimisation approach for spatial allocation of energy sources to district heating networks. Journal of Physics: Conference Series, 2021, 2042, 012038.	0.3	0
15	Spatiotemporal analysis of industrial excess heat supply for district heat networks in Switzerland. Energy, 2020, 192, 116705.	4.5	15
16	Measuring the thermal energy performance gap of labelled residential buildings in Switzerland. Energy Policy, 2020, 137, 111085.	4.2	57
17	Simulation and comparative assessment of heating systems with tank thermal energy storage â€“ A Swiss case study. Journal of Energy Storage, 2020, 32, 101810.	3.9	12
18	Assessment of techno-economic feasibility of centralised seasonal thermal energy storage for decarbonising the Swiss residential heating sector. Renewable Energy, 2020, 161, 1209-1225.	4.3	14

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19	Computationally scalable geospatial network and routing analysis through multi-level spatial clustering.. MethodsX, 2020, 7, 101072.	0.7	3
20	Global and cross-country analysis of exposure of vulnerable populations to heatwaves from 1980 to 2018. Climatic Change, 2020, 163, 539-558.	1.7	47
21	Do energy performance certificates allow reliable predictions of actual energy consumption and savings? Learning from the Swiss national database. Energy and Buildings, 2020, 224, 110235.	3.1	50
22	Cost-effectiveness of large-scale deep energy retrofit packages for residential buildings under different economic assessment approaches. Energy and Buildings, 2020, 215, 109870.	3.1	51
23	Energy Performance Certificate for buildings as a strategy for the energy transition: Stakeholder insights on shortcomings. IOP Conference Series: Earth and Environmental Science, 2020, 588, 022003.	0.2	5
24	SMITE. , 2020, , .		3
25	Evaluating the electricity saving potential of electrochromic glazing for cooling and lighting at the scale of the Swiss non-residential national building stock using a Monte Carlo model. Energy, 2019, 185, 136-147.	4.5	34
26	The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate. Lancet, The, 2019, 394, 1836-1878.	6.3	905
27	A Heat Demand Load Curve Model of the Swiss National Territory. IOP Conference Series: Earth and Environmental Science, 2019, 290, 012107.	0.2	7
28	Comparison of clustering approaches for domestic electricity load profile characterisation - Implications for demand side management. Energy, 2019, 180, 665-677.	4.5	113
29	Mapping district heating potential under evolving thermal demand scenarios and technologies: A case study for Switzerland. Energy, 2019, 176, 682-692.	4.5	43
30	Combined geospatial and techno-economic analysis of deep building envelope retrofit. Journal of Physics: Conference Series, 2019, 1343, 012028.	0.3	3
31	Applications of graph theory in district heat network analysis at national scale. Journal of Physics: Conference Series, 2019, 1343, 012045.	0.3	3
32	Energy consumption of high-performance buildings: Design vs. Reality. Journal of Physics: Conference Series, 2019, 1343, 012169.	0.3	3
33	Exploratory study on clustering methods to identify electricity use patterns in building sector. Journal of Physics: Conference Series, 2019, 1343, 012044.	0.3	8
34	Strategies for decarbonising the Swiss heating system. Energy, 2019, 169, 1119-1131.	4.5	26
35	Deconstruct: A scalable method of as-built heat power loss coefficient inference for UK dwellings using smart meter data. Energy and Buildings, 2019, 183, 443-453.	3.1	20
36	The Lancet Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. Lancet, The, 2018, 391, 581-630.	6.3	802

#	Article	IF	Citations
37	The 2018 report of the Lancet Countdown on health and climate change: shaping the health of nations for centuries to come. Lancet, The, 2018, 392, 2479-2514.	6.3	595
38	Excess heat recovery: An invisible energy resource for the Swiss industry sector. Applied Energy, 2018, 228, 390-408.	5.1	36