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Impact of climate change on U.S. building energy demand: sensitivity to spatiotemporal scales, balance point temperature, and population distribution

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Climatic Change, 2016, 137, 171-185.

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#	Paper	IF	Citations
25	Impact of warmer weather on electricity sector emissions due to building energy use. <i>Environmental Research Letters</i> , 2017 , 12, 064014	6.2	7
24	North-south polarization of European electricity consumption under future warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7910-E7918	11.5	69
23	Climate change and growing megacities: hazards and vulnerability. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2018 , 171, 314-326	0.9	16
22	Simulated building energy demand biases resulting from the use of representative weather stations. <i>Applied Energy</i> , 2018 , 209, 516-528	10.7	12
21	A review of the potential impacts of climate change on bulk power system planning and operations in the United States. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 98, 255-267	16.2	39
20	The role of household level electricity data in improving estimates of the impacts of climate on building electricity use. <i>Energy and Buildings</i> , 2018 , 180, 146-158	7	12
19	Differentiating carbon sinks versus sources on a university campus using synergistic UAV NIR and visible signatures. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 652	3.1	7
18	Residential HVAC runtime from smart thermostats: characterization, comparison, and impacts. <i>Indoor Air</i> , 2018 , 28, 905-915	5.4	28
17	The impact of climate change on air conditioning requirements in Andalusia at a detailed scale. <i>Theoretical and Applied Climatology</i> , 2018 , 134, 1047-1063	3	11
16	An Overview of Climate Change and Building Energy: Performance, Responses and Uncertainties. <i>Buildings</i> , 2019 , 9, 166	3.2	12
15	Climate implication and adaptation measures for energy use in buildings – a scoping review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 297, 012035	0.3	1
14	A multi-scale calibration approach for process-oriented aggregated building energy demand models. <i>Energy and Buildings</i> , 2019 , 191, 82-94	7	6
13	Implications of climate changes to building energy and design. <i>Sustainable Cities and Society</i> , 2019 , 44, 511-519	10.1	74
12	Future western U.S. building electricity consumption in response to climate and population drivers: A comparative study of the impact of model structure. <i>Energy</i> , 2020 , 208, 118312	7.9	5
11	Modeling County-Level Energy Demands for Commercial Buildings Due to Climate Variability with Prototype Building Simulations. <i>World</i> , 2020 , 1, 67-89	1.7	1
10	Predicting U.S. Residential Building Energy Use and Indoor Pollutant Exposures in the Mid-21st Century. <i>Environmental Science & Technology</i> , 2021 , 55, 3219-3228	10.3	1
9	Usage of the Pareto Fronts as a Tool to Select Data in the Forecasting Process – A Short-Term Electric Energy Demand Forecasting Case. <i>Energies</i> , 2021 , 14, 3204	3.1	1

8	Estimating economic impacts from future energy demand changes due to climate change and economic development in China. <i>Journal of Cleaner Production</i> , 2021 , 311, 127576	10.3	4
7	Passive cooling designs to improve heat resilience of homes in underserved and vulnerable communities. <i>Energy and Buildings</i> , 2021 , 252, 111383	7	4
6	A Computational Intelligence Approach to Predict Energy Demand Using Random Forest in a Cloudera Cluster. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8635	2.6	1
5	Climatically Driven Minimum of Energy Demand for Heating in Cities at the Center of the European Part of Russia. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2020 , 56, 613-617	1	0
4	Climatic impacts on residential natural gas consumption: Evidence from Hefei, China. 2022 , 275, 112488		0
3	Estimates of the Potential Indirect Damage to China by Restricting Energy Increase to Peak Carbon Emissions. 2022 , 10,		0
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1	Cooling Energy and Climate Change Nexus in Arid Climate and the Role of Energy Transition. 2023 , 13, 836		0