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Automatic and rapid calibration of urban building energy models by learning from energy performance databases

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28	Energy Performance of a Service Building: Comparison Between EnergyPlus and TRACE700. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 364-375	0.9	
27	Integrating GIS-Based Point of Interest and Community Boundary Datasets for Urban Building Energy Modeling. <i>Energies</i> , <b>2021</b> , 14, 1049	3.1	3
26	Assessment of the Urban Heat Island Impact on Building Energy Performance at District Level with the EURECA Platform. <i>Climate</i> , <b>2021</b> , 9, 48	3.1	7
25	Exploring the influence of urban context on building energy retrofit performance: A hybrid simulation and data-driven approach. <i>Advances in Applied Energy</i> , <b>2021</b> , 3, 100038		3
24	Passive cooling designs to improve heat resilience of homes in underserved and vulnerable communities. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111383	7	4
23	Research trends on environmental, energy and vulnerability impacts of Urban Heat Islands: An overview. <i>Energy and Buildings</i> , <b>2021</b> , 246, 111051	7	8
22	System-level virtual sensing method in building energy systems using autoencoder: Under the limited sensors and operational datasets. <i>Applied Energy</i> , <b>2021</b> , 301, 117458	10.7	4
21	Building energy performance analysis at urban scale: A supporting tool for energy strategies and urban building energy rating identification. <i>Sustainable Cities and Society</i> , <b>2021</b> , 74, 103220	10.1	3
20	Calibrating building energy simulation models: A review of the basics to guide future work. <i>Energy and Buildings</i> , <b>2021</b> , 253, 111533	7	13
19	A bottom-up dynamic building stock model for residential energy transition: A case study for the Netherlands. <i>Applied Energy</i> , <b>2022</b> , 306, 118060	10.7	3
18	Estimating spatial and temporal patterns of urban building anthropogenic heat using a bottom-up city building heat emission model. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 177, 105996	11.9	2
17	Increasing the energy efficiency of a building by thermal insulation to reduce the thermal load of the micro-combined cooling, heating and power system. <i>Energy Reports</i> , <b>2021</b> , 7, 286-298	4.6	2
16	Times series forecasting for urban building energy consumption based on graph convolutional network. <i>Applied Energy</i> , <b>2021</b> , 307, 118231	10.7	4
15	Archetype identification and urban building energy modeling for city-scale buildings based on GIS datasets. <i>Building Simulation</i> , 1	3.9	2
14	Application and evaluation of a pattern-based building energy model calibration method using public building datasets. <i>Building Simulation</i> , <b>2022</b> , 15, 1385-1400	3.9	1
13	Data acquisition for urban building energy modeling: A review. <i>Building and Environment</i> , <b>2022</b> , 109056	6.5	2
12	Evaluation of the impact of input uncertainty on urban building energy simulations using uncertainty and sensitivity analysis. <i>Applied Energy</i> , <b>2022</b> , 311, 118691	10.7	2

11	Impact of measured data frequency on commercial building energy model calibration for retrofit analysis. <i>Science and Technology for the Built Environment</i> , 1-17	1.8	o
10	City-level impacts of building tune-ups: Findings from Seattle's building tune-ups program. <i>Energy Policy</i> , <b>2022</b> , 168, 113096	7.2	o
9	Impacts of uncertainty in building envelope thermal transmittance on heating/cooling demand in the urban context. <b>2022</b> , 273, 112363		o
8	An innovative method to predict the thermal parameters of construction assemblies for urban building energy models. <b>2022</b> , 224, 109541		o
7	Advanced Energy Efficiency Systems in Buildings. <b>2022</b> , 15, 7309		o
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3	AutoBPS: A tool for urban building energy modeling to support energy efficiency improvement at city-scale. <b>2023</b> , 282, 112794		o
2	A review and reflection on open datasets of city-level building energy use and their applications. <b>2023</b> , 285, 112911		o
1	Investigating the impact of urban microclimate on building thermal performance: A case study of dense urban areas in Hong Kong. <b>2023</b> , 94, 104509		o