Holly W Samuelson

List of Publications by Year
in descending order

17	685	12	16
papers	citations	h-index	g-index

17	17	17	685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal control of HVAC and window systems for natural ventilation through reinforcement learning. Energy and Buildings, 2018, 169, 195-205.	3.1	194
2	Transfer learning with deep neural networks for model predictive control of HVAC and natural ventilation in smart buildings. Journal of Cleaner Production, 2020, 254, 119866.	4.6	147
3	Parametric energy simulation in early design: High-rise residential buildings in urban contexts. Building and Environment, 2016, 101, 19-31.	3.0	117
4	Housing as a critical determinant of heat vulnerability and health. Science of the Total Environment, 2020, 720, 137296.	3.9	32
5	The impact of window opening and other occupant behavior on simulated energy performance in residence halls. Building Simulation, 2017, 10, 963-976.	3.0	29
6	Using recurrent neural networks for localized weather prediction with combined use of public airport data and on-site measurements. Building and Environment, 2021, 192, 107601.	3.0	28
7	Learning by playing – teaching energy simulation as a game. Journal of Building Performance Simulation, 2012, 5, 359-368.	1.0	23
8	Analysis of a simplified calibration procedure for 18 design-phase building energy models. Journal of Building Performance Simulation, 2016, 9, 17-29.	1.0	22
9	Beyond energy savings: Investigating the co-benefits of heat resilient architecture. Energy, 2020, 204, 117886.	4.5	15
10	Non-technical barriers to energy model sharing and reuse. Building and Environment, 2012, 54, 71-76.	3.0	14
11	Window View Quality: Why It Matters and What We Should Do. LEUKOS - Journal of Illuminating Engineering Society of North America, 2022, 18, 259-267.	1.5	14
12	Co-benefits of energy efficiency in residential buildings. Energy, 2022, 238, 121768.	4.5	13
13	A new method for visualizing and evaluating views in architectural design. Developments in the Built Environment, 2020, 1, 100005.	2.0	12
14	Comparing energy and comfort metrics for building benchmarking. Energy and Buildings, 2019, 205, 109539.	3.1	10
15	Exceedance Degree‐Hours: A new method for assessing long‐term thermal conditions. Indoor Air, 2021, 31, 2296-2311.	2.0	7
16	Fast Adaptation of Thermal Dynamics Model for Predictive Control of HVAC and Natural Ventilation Using Transfer Learning with Deep Neural Networks. , 2020, , .		5
17	Health and Climate Benefits of Heat Adaptation Strategies in Single-Family Residential Buildings. Frontiers in Sustainable Cities, 2020, 2, .	1.2	3