

Ahmad Taha

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

901
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

927
citing authors

#	ARTICLE	IF	CITATIONS
1	A real-time model predictive control for building heating and cooling systems based on the occupancy behavior pattern detection and local weather forecasting. <i>Building Simulation</i> , 2014, 7, 89-106.	5.6	181
2	Occupancy behavior based model predictive control for building indoor climateâ€”A critical review. <i>Energy and Buildings</i> , 2016, 129, 499-513.	6.7	157
3	Modeling occupancy and behavior for better building design and operationâ€”A critical review. <i>Building Simulation</i> , 2018, 11, 899-921.	5.6	131
4	Coordinating the operations of smart buildings in smart grids. <i>Applied Energy</i> , 2018, 228, 2510-2525.	10.1	67
5	A new modeling approach for short-term prediction of occupancy in residential buildings. <i>Building and Environment</i> , 2017, 121, 277-290.	6.9	54
6	Model predictive control for building loads connected with a residential distribution grid. <i>Applied Energy</i> , 2018, 230, 627-642.	10.1	53
7	An investigation on energy-related occupancy behavior for low-income residential buildings. <i>Science and Technology for the Built Environment</i> , 2015, 21, 892-901.	1.7	42
8	Occupancy-based buildings-to-grid integration framework for smart and connected communities. <i>Applied Energy</i> , 2018, 219, 123-137.	10.1	38
9	Occupant behavior modeling methods for resilient building design, operation and policy at urban scale: A review. <i>Applied Energy</i> , 2021, 293, 116856.	10.1	37
10	Buildings-to-Grid Integration Framework. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 1237-1249.	9.0	36
11	Buildings-to-distribution-network integration for coordinated voltage regulation and building energy management via distributed resource flexibility. <i>Sustainable Cities and Society</i> , 2021, 69, 102832.	10.4	32
12	A preliminary investigation of water usage behavior in single-family homes. <i>Building Simulation</i> , 2017, 10, 949-962.	5.6	16
13	Occupant-behavior driven appliance scheduling for residential buildings. <i>Building Simulation</i> , 2017, 10, 917-931.	5.6	15
14	Prediction of Human Performance Using Electroencephalography under Different Indoor Room Temperatures. <i>Brain Sciences</i> , 2018, 8, 74.	2.3	15
15	Integrated energy performance modeling for a retail store building. <i>Building Simulation</i> , 2013, 6, 283-295.	5.6	14
16	Development of web-based information technology infrastructures and regulatory repositories for green building codes in China (iCodes). <i>Building Simulation</i> , 2013, 6, 195-205.	5.6	9
17	On Static and Adaptive Policies for Chance-Constrained Voltage Regulation. , 2018, , .		2
18	Stochastic control of a micro-grid using battery energy storage in solar-powered buildings. <i>Annals of Operations Research</i> , 2019, 303, 197.	4.1	2