

Yongbao Chen

List of Publications by Year in descending order

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17
papers

1,155
citations

758635

12
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term electrical load forecasting using the Support Vector Regression (SVR) model to calculate the demand response baseline for office buildings. <i>Applied Energy</i> , 2017, 195, 659-670.	5.1	419
2	Measures to improve energy demand flexibility in buildings for demand response (DR): A review. <i>Energy and Buildings</i> , 2018, 177, 125-139.	3.1	226
3	Physical energy and data-driven models in building energy prediction: A review. <i>Energy Reports</i> , 2022, 8, 2656-2671.	2.5	98
4	Quantification of electricity flexibility in demand response: Office building case study. <i>Energy</i> , 2019, 188, 116054.	4.5	79
5	Experimental investigation of demand response potential of buildings: Combined passive thermal mass and active storage. <i>Applied Energy</i> , 2020, 280, 115956.	5.1	58
6	A simplified HVAC energy prediction method based on degree-day. <i>Sustainable Cities and Society</i> , 2019, 51, 101698.	5.1	55
7	Overview of computational intelligence for building energy system design. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 108, 76-90.	8.2	38
8	A novel short-term load forecasting framework based on time-series clustering and early classification algorithm. <i>Energy and Buildings</i> , 2021, 251, 111375.	3.1	38
9	Multi-objective residential load scheduling approach for demand response in smart grid. <i>Sustainable Cities and Society</i> , 2022, 76, 103530.	5.1	35
10	Electricity demand response schemes in China: Pilot study and future outlook. <i>Energy</i> , 2021, 224, 120042.	4.5	32
11	Short-term metropolitan-scale electric load forecasting based on load decomposition and ensemble algorithms. <i>Energy and Buildings</i> , 2020, 225, 110343.	3.1	22
12	Dynamic modeling of solar-assisted ground source heat pump using Modelica. <i>Applied Thermal Engineering</i> , 2021, 196, 117324.	3.0	13
13	Optimal Control Strategies for Demand Response in Buildings under Penetration of Renewable Energy. <i>Buildings</i> , 2022, 12, 371.	1.4	13
14	Validation of electronic anti-fouling technology in the spray water side of evaporative cooler. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 624-628.	2.5	12
15	Electricity demand flexibility performance of a sorption-assisted water storage on building heating. <i>Applied Thermal Engineering</i> , 2019, 156, 640-652.	3.0	10
16	Research on the performance of an adsorption heat pump in winter demand response. <i>Science and Technology for the Built Environment</i> , 2017, 23, 449-456.	0.8	6
17	A Peer-to-Peer Electricity System and Its Simulation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 238, 012081.	0.2	1