Rui Jing

List of Publications by Year
in descending order

30	1,469	331538 21	477173 29
papers	citations	h-index	g-index

31	31	31	1119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A multi-objective optimization and multi-criteria evaluation integrated framework for distributed energy system optimal planning. Energy Conversion and Management, 2018, 166, 445-462.	4.4	150
2	A study on energy performance of 30 commercial office buildings in Hong Kong. Energy and Buildings, 2017, 144, 117-128.	3.1	140
3	Fair P2P energy trading between residential and commercial multi-energy systems enabling integrated demand-side management. Applied Energy, 2020, 262, 114551.	5.1	134
4	An innovative Organic Rankine Cycle (ORC) based Ocean Thermal Energy Conversion (OTEC) system with performance simulation and multi-objective optimization. Applied Thermal Engineering, 2018, 145, 743-754.	3.0	96
5	Multi-criteria evaluation of solid oxide fuel cell based combined cooling heating and power (SOFC-CCHP) applications for public buildings in China. Energy, 2017, 141, 273-289.	4.5	87
6	Economic and environmental multi-optimal design and dispatch of solid oxide fuel cell based CCHP system. Energy Conversion and Management, 2017, 154, 365-379.	4.4	83
7	Multi-objective optimization of a neighborhood-level urban energy network: Considering Game-theory inspired multi-benefit allocation constraints. Applied Energy, 2018, 231, 534-548.	5.1	76
8	Combined multi-objective optimization and robustness analysis framework for building integrated energy system under uncertainty. Energy Conversion and Management, 2020, 208, 112589.	4.4	75
9	Parametric analysis and optimization for exergoeconomic performance of a combined system based on solid oxide fuel cell-gas turbine and supercritical carbon dioxide Brayton cycle. Energy Conversion and Management, 2019, 186, 66-81.	4.4	68
10	Comparative study of posteriori decision-making methods when designing building integrated energy systems with multi-objectives. Energy and Buildings, 2019, 194, 123-139.	3.1	63
11	Distributed or centralized? Designing district-level urban energy systems by a hierarchical approach considering demand uncertainties. Applied Energy, 2019, 252, 113424.	5.1	58
12	Planning integrated energy systems coupling V2G as a flexible storage. Energy, 2022, 239, 122215.	4.5	50
13	Combining agent-based residential demand modeling with design optimization for integrated energy systems planning and operation. Applied Energy, 2020, 263, 114623.	5.1	44
14	Planning urban energy systems adapting to extreme weather. Advances in Applied Energy, 2021, 3, 100053.	6.6	30
15	Prioritizing urban planning factors on community energy performance based on GIS-informed building energy modeling. Energy and Buildings, 2021, 249, 111191.	3.1	30
16	Electrification with flexibility towards local energy decarbonization. Advances in Applied Energy, 2022, 5, 100088.	6.6	30
17	Comparing stochastic programming with posteriori approach for multi-objective optimization of distributed energy systems under uncertainty. Energy, 2020, 210, 118571.	4.5	29
18	Exploring the impact space of different technologies using a portfolio constraint based approach for multi-objective optimization of integrated urban energy systems. Renewable and Sustainable Energy Reviews, 2019, 113, 109249.	8.2	28

#	Article	IF	Citations
19	Unlocking emerging impacts of carbon tax on integrated energy systems through supply and demand co-optimization. Applied Energy, 2021, 302, 117579.	5.1	28
20	Emerging supply chain of utilising electrical vehicle retired batteries in distributed energy systems. Advances in Applied Energy, 2021, 1, 100002.	6.6	26
21	Sustainable Design of Urban Rooftop Food-Energy-Land Nexus. IScience, 2020, 23, 101743.	1.9	23
22	Quantifying the contribution of individual technologies in integrated urban energy systems â€“ A system value approach. Applied Energy, 2020, 266, 114859.	5.1	21
23	Balancing the Energy Trilemma in energy system planning of coastal cities. Applied Energy, 2021, 283, 116222.	5.1	20
24	A load-complementarity combined flexible clustering approach for large-scale urban energy-water nexus optimization. Applied Energy, 2020, 270, 115163.	5.1	16
25	Unlock the hidden potential of urban rooftop agrivoltaics energy-food-nexus. Energy, 2022, 256, 124626.	4.5	15
26	Design and validation of a battery management system for solar-assisted electric vehicles. Journal of Power Sources, 2021, 513, 230531.	4.0	13
27	Design and operation optimization of city-level off-grid hydroâ€“photovoltaic complementary system. Applied Energy, 2022, 306, 118000.	5.1	13
28	Global sensitivity based prioritizing the parametric uncertainties in economic analysis when co-locating photovoltaic with agriculture and aquaculture in China. Renewable Energy, 2022, 194, 1048-1059.	4.3	13
29	Coupling biogeochemical simulation and mathematical optimisation towards eco-industrial energy systems design. Applied Energy, 2021, 290, 116773.	5.1	9
30	Feasibility of solid oxide fuel cell stationary applications in Chinaâ€™s building sector and relevant progress. , 2020, , 359-393.		1