Rui Jing

List of Publications by Year in Descending Order

28 papers	746 citations	14 h-index	27 g-index
31 ext. papers	1,116 ext. citations	9.3 avg, IF	4.73 L-index

#	Paper	IF	Citations
28	Electrification with flexibility towards local energy decarbonization. *Advances in Applied Energy*, **2022**, 5, 100088		3
27	Design and operation optimization of city-level off-grid hydro□photovoltaic complementary system. *Applied Energy*, **2022**, 306, 118000	10.7	1
26	Coupling biogeochemical simulation and mathematical optimisation towards eco-industrial energy systems design. *Applied Energy*, **2021**, 290, 116773	10.7	3
25	Balancing the Energy Trilemma in energy system planning of coastal cities. *Applied Energy*, **2021**, 283, 116222	10.7	5
24	Emerging supply chain of utilising electrical vehicle retired batteries in distributed energy systems. *Advances in Applied Energy*, **2021**, 1, 100002		8
23	Planning urban energy systems adapting to extreme weather. *Advances in Applied Energy*, **2021**, 3, 100053		5
22	Planning integrated energy systems coupling V2G as a flexible storage. *Energy*, **2021**, 239, 122215	7.9	7
21	Prioritizing urban planning factors on community energy performance based on GIS-informed building energy modeling. *Energy and Buildings*, **2021**, 249, 111191	7	5
20	Design and validation of a battery management system for solar-assisted electric vehicles. *Journal of Power Sources*, **2021**, 513, 230531	8.9	3
19	Unlocking emerging impacts of carbon tax on integrated energy systems through supply and demand co-optimization. *Applied Energy*, **2021**, 302, 117579	10.7	7
18	A load-complementarity combined flexible clustering approach for large-scale urban energy-water nexus optimization. *Applied Energy*, **2020**, 270, 115163	10.7	8
17	Quantifying the contribution of individual technologies in integrated urban energy systems □A system value approach. *Applied Energy*, **2020**, 266, 114859	10.7	12
16	Combined multi-objective optimization and robustness analysis framework for building integrated energy system under uncertainty. *Energy Conversion and Management*, **2020**, 208, 112589	10.6	32
15	Combining agent-based residential demand modeling with design optimization for integrated energy systems planning and operation. *Applied Energy*, **2020**, 263, 114623	10.7	17
14	Fair P2P energy trading between residential and commercial multi-energy systems enabling integrated demand-side management. *Applied Energy*, **2020**, 262, 114551	10.7	61
13	Feasibility of solid oxide fuel cell stationary applications in China□s building sector and relevant progress **2020**, 359-393		1
12	Comparing stochastic programming with posteriori approach for multi-objective optimization of distributed energy systems under uncertainty. *Energy*, **2020**, 210, 118571	7.9	16

List of Publications

11	Sustainable Design of Urban Rooftop Food-Energy-Land Nexus. *IScience*, **2020**, 23, 101743	6.1	9
10	Distributed or centralized? Designing district-level urban energy systems by a hierarchical approach considering demand uncertainties. *Applied Energy*, **2019**, 252, 113424	10.7	36
9	Comparative study of posteriori decision-making methods when designing building integrated energy systems with multi-objectives. *Energy and Buildings*, **2019**, 194, 123-139	7	41
8	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	10.6	37
7	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	16.2	19
6	A multi-objective optimization and multi-criteria evaluation integrated framework for distributed energy system optimal planning. *Energy Conversion and Management*, **2018**, 166, 445-462	10.6	88
5	Multi-objective optimization of a neighborhood-level urban energy network: Considering Game-theory inspired multi-benefit allocation constraints. *Applied Energy*, **2018**, 231, 534-548	10.7	54
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	5.8	56
3	A study on energy performance of 30 commercial office buildings in Hong Kong. *Energy and Buildings*, **2017**, 144, 117-128	7	88
2	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	7.9	62
1	Economic and environmental multi-optimal design and dispatch of solid oxide fuel cell based CCHP system. *Energy Conversion and Management*, **2017**, 154, 365-379	10.6	60