

Dongpeng Zhao

List of Publications by Year in descending order

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papers

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840776

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233
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic performance comparison of Organic Rankine Cycle between zeotropic mixtures and pure fluids under open heat source. <i>Energy Conversion and Management</i> , 2018, 165, 720-737.	9.2	48
2	Application of machine learning into organic Rankine cycle for prediction and optimization of thermal and exergy efficiency. <i>Energy Conversion and Management</i> , 2020, 210, 112700.	9.2	47
3	Overview on artificial intelligence in design of Organic Rankine Cycle. <i>Energy and AI</i> , 2020, 1, 100011.	10.6	37
4	Dynamic test and verification of model-guided ORC system. <i>Energy Conversion and Management</i> , 2019, 186, 349-367.	9.2	25
5	Transcritical carbon dioxide power cycle for waste heat recovery: A roadmap analysis from ideal cycle to real cycle with case implementation. <i>Energy Conversion and Management</i> , 2020, 226, 113578.	9.2	22
6	Intelligent collaborative attainment of structure configuration and fluid selection for the Organic Rankine cycle. <i>Applied Energy</i> , 2020, 264, 114743.	10.1	19
7	Identification of key affecting parameters of zeotropic working fluid on subcritical organic Rankine cycle according limiting thermodynamic cycle. <i>Energy Conversion and Management</i> , 2019, 197, 111884.	9.2	15
8	Supercritical CO ₂ Brayton cycle: Intelligent construction method and case study. <i>Energy Conversion and Management</i> , 2021, 246, 114662.	9.2	15
9	Analysis of pressure drop in T-junction and its effect on thermodynamic cycle efficiency. <i>Applied Energy</i> , 2018, 231, 468-480.	10.1	12
10	Simulation and optimization of parabolic trough receiver with non-uniform heat flux distribution: A review. <i>Energy Procedia</i> , 2017, 142, 700-707.	1.8	11
11	How to give a full play to the advantages of zeotropic working fluids in organic Rankine cycle (ORC). <i>Energy Procedia</i> , 2019, 158, 1591-1597.	1.8	11
12	A new energy analysis model of seawater desalination based on thermodynamics. <i>Energy Procedia</i> , 2019, 158, 5472-5478.	1.8	6
13	A quantitative evaluation method for uniformity of heat flux distribution in the parabolic trough collector. <i>Chinese Science Bulletin</i> , 2019, 64, 485-492.	0.7	6
14	A Numerical Study on Heat Transfer of R410A during Flow Boiling. <i>Energy Procedia</i> , 2019, 158, 5414-5420.	1.8	5
15	Ledinegg instability analysis on direct vapor generation inside solar collectors. <i>Solar Energy</i> , 2020, 196, 530-539.	6.1	5
16	From 1 to N: A computer-aided case study of thermodynamic cycle construction based on thermodynamic process combination. <i>Energy</i> , 2020, 210, 118553.	8.8	5
17	The flexible programming of thermodynamic cycles: Application of supercritical carbon dioxide Brayton cycles. <i>Energy Conversion and Management</i> , 2021, 245, 114624.	9.2	4
18	A 3D Numerical Analysis on Local Pressure Drop of R134a in a Horizontal T-junction. <i>Energy Procedia</i> , 2017, 142, 3844-3850.	1.8	3

#	ARTICLE	IF	CITATIONS
19	An improved method of intelligence construction for subcritical thermodynamic cycle. Energy Conversion and Management, 2022, 254, 115256.	9.2	2
20	Two-phase flow pattern and heat transfer coefficients of R245fa/R134a under non-uniform heat flux. Chinese Science Bulletin, 2020, 65, 1741-1751.	0.7	1