

Mingshan Wei

List of Publications by Year in descending order

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34
docs citations

34
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of scroll expanders for organic Rankine cycle systems. <i>Applied Thermal Engineering</i> , 2015, 75, 54-64.	6.0	169
2	Unsteady flow in the suction process of a scroll expander for an ORC waste heat recovery system. <i>Applied Thermal Engineering</i> , 2015, 78, 460-470.	6.0	53
3	Effects of suction port arrangements on a scroll expander for a small scale ORC system based on CFD approach. <i>Applied Energy</i> , 2015, 150, 274-285.	10.1	49
4	Thermodynamics and flow unsteadiness analysis of trans-critical CO ₂ in a scroll compressor for mobile heat pump air-conditioning system. <i>Applied Thermal Engineering</i> , 2020, 175, 115368.	6.0	42
5	An improved operation strategy for CCHP system based on high-speed railways station case study. <i>Energy Conversion and Management</i> , 2020, 216, 112936.	9.2	39
6	Performance evaluation of a diesel engine integrated with ORC system. <i>Applied Thermal Engineering</i> , 2017, 115, 221-228.	6.0	37
7	Waste heat recovery from heavy-duty diesel engine exhaust gases by medium temperature ORC system. <i>Science China Technological Sciences</i> , 2011, 54, 2746-2753.	4.0	31
8	Effect of tip clearance and rotor-stator axial gap on the efficiency of a multistage compressor. <i>Applied Thermal Engineering</i> , 2016, 99, 988-995.	6.0	27
9	Study of operation strategies for integrating ice-storage district cooling systems into power dispatch for large-scale hydropower utilization. <i>Applied Energy</i> , 2020, 261, 114477.	10.1	27
10	Experimental evaluation of an integrated electric vehicle AC/HP system operating with R134a and R407C. <i>Applied Thermal Engineering</i> , 2016, 100, 1179-1188.	6.0	23
11	Simulation of effects of ORC system installation on heavy-duty truck. <i>Applied Thermal Engineering</i> , 2018, 128, 1322-1330.	6.0	23
12	The impact of a bilateral symmetric discharge structure on the performance of a scroll expander for ORC power generation system. <i>Energy</i> , 2018, 158, 458-470.	8.8	22
13	A thermal-electrical analogy transient model of district heating pipelines for integrated analysis of thermal and power systems. <i>Applied Thermal Engineering</i> , 2018, 139, 213-221.	6.0	22
14	Mixed convection heat transfer of supercritical pressure R1234yf in horizontal flow: Comparison study as alternative to R134a in organic Rankine cycles. <i>Energy</i> , 2020, 205, 118061.	8.8	22
15	Performance evaluation of a solar transcritical carbon dioxide Rankine cycle integrated with compressed air energy storage. <i>Energy Conversion and Management</i> , 2020, 215, 112931.	9.2	20
16	CFD modelling of small scale ORC scroll expanders using variable wall thicknesses. <i>Energy</i> , 2020, 199, 117399.	8.8	18
17	Buoyancy effect on the mixed convection flow and heat transfer of supercritical R134a in heated horizontal tubes. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118607.	4.8	17
18	Flow characteristics of tangential leakage in a scroll compressor for automobile heat pump with CO ₂ . <i>Science China Technological Sciences</i> , 2021, 64, 971-983.	4.0	17

#	ARTICLE	IF	CITATIONS
19	Operation strategy for interactive CCHP system based on energy complementary characteristics of diverse operation strategies. <i>Applied Energy</i> , 2022, 310, 118415.	10.1	17
20	The fluid-thermal-solid coupling analysis of a scroll expander used in an ORC waste heat recovery system. <i>Applied Thermal Engineering</i> , 2018, 138, 72-82.	6.0	16
21	Tangential leakage flow control with seal-grooves on the static scroll of a CO2 scroll compressor. <i>Applied Thermal Engineering</i> , 2022, 208, 118213.	6.0	16
22	Impact of micro-grooves in scroll wrap tips on the performance of a trans-critical CO2 scroll compressor. <i>International Journal of Refrigeration</i> , 2021, 131, 493-504.	3.4	15
23	Enhance the Heating Performance of an Electric Vehicle AC/HP System under Low Temperature. <i>Energy Procedia</i> , 2017, 105, 2384-2389.	1.8	14
24	CFD analysis of variable wall thickness scroll expander integrated into small scale ORC systems. <i>Energy Procedia</i> , 2019, 158, 2272-2277.	1.8	14
25	CFD analysis of the influence of variable wall thickness on the aerodynamic performance of small scale ORC scroll expanders. <i>Energy</i> , 2022, 244, 122586.	8.8	11
26	Modelling and Optimisation on Scroll Expander for Waste Heat Recovery Organic Rankine Cycle. <i>Energy Procedia</i> , 2015, 75, 1603-1608.	1.8	7
27	The staged development of a horizontal pipe flow at supercritical pressure. <i>International Journal of Heat and Mass Transfer</i> , 2021, 168, 120841.	4.8	7
28	Discussions on the real potential of district heating networks in improving wind power accommodation with temperature feedback as one consideration. <i>Energy Conversion and Management</i> , 2021, 250, 114907.	9.2	7
29	Dynamic performance evaluation of LNG vaporization system integrated with solar-assisted heat pump. <i>Renewable Energy</i> , 2022, 188, 561-572.	8.9	7
30	Experimental study of a micro-scale solar organic Rankine cycle system based on compound cylindrical Fresnel lens solar concentrator. <i>Science China Technological Sciences</i> , 2019, 62, 2184-2194.	4.0	6
31	Simulation analysis of cooling methods of an on-board organic Rankine cycle exhaust heat recovery system. <i>International Journal of Energy Research</i> , 2017, 41, 2480-2490.	4.5	5
32	Effects of the ORC Operating Conditions on the Engine Performance for an Engine-ORC Combined System. <i>Energy Procedia</i> , 2017, 105, 662-667.	1.8	5
33	Compressor performance of two-stage turbocharging system. <i>Frontiers of Mechanical Engineering in China</i> , 2008, 3, 218-221.	0.4	1
34	Experimental investigations of different compressors based electric vehicle heat pump air-conditioning systems in low temperature environment. , 2014, , .		0