Mingshan Wei

List of Publications by Year
in descending order

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34	806	471509	501196
papers	citations	17	28
		h-index	g-index

34	34	34	505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CFD analysis of the influence of variable wall thickness on the aerodynamic performance of small scale ORC scroll expanders. Energy, 2022, 244, 122586.	8.8	11
2	Operation strategy for interactive CCHP system based on energy complementary characteristics of diverse operation strategies. Applied Energy, 2022, 310, 118415.	10.1	17
3	Tangential leakage flow control with seal-grooves on the static scroll of a CO2 scroll compressor. Applied Thermal Engineering, 2022, 208, 118213.	6.0	16
4	Dynamic performance evaluation of LNG vaporization system integrated with solar-assisted heat pump. Renewable Energy, 2022, 188, 561-572.	8.9	7
5	Flow characteristics of tangential leakage in a scroll compressor for automobile heat pump with CO2. Science China Technological Sciences, 2021, 64, 971-983.	4.0	17
6	The staged development of a horizontal pipe flow at supercritical pressure. International Journal of Heat and Mass Transfer, 2021, 168, 120841.	4.8	7
7	Impact of micro-grooves in scroll wrap tips on the performance of a trans-critical CO2 scroll compressor. International Journal of Refrigeration, 2021, 131, 493-504.	3.4	15
8	Discussions on the real potential of district heating networks in improving wind power accommodation with temperature feedback as one consideration. Energy Conversion and Management, 2021, 250, 114907.	9.2	7
9	An improved operation strategy for CCHP system based on high-speed railways station case study. Energy Conversion and Management, 2020, 216, 112936.	9.2	39
10	Mixed convection heat transfer of supercritical pressure R1234yf in horizontal flow: Comparison study as alternative to R134a in organic Rankine cycles. Energy, 2020, 205, 118061.	8.8	22
11	CFD modelling of small scale ORC scroll expanders using variable wall thicknesses. Energy, 2020, 199, 117399.	8.8	18
12	Study of operation strategies for integrating ice-storage district cooling systems into power dispatch for large-scale hydropower utilization. Applied Energy, 2020, 261, 114477.	10.1	27
13	Thermodynamics and flow unsteadiness analysis of trans-critical CO2 in a scroll compressor for mobile heat pump air-conditioning system. Applied Thermal Engineering, 2020, 175, 115368.	6.0	42
14	Performance evaluation of a solar transcritical carbon dioxide Rankine cycle integrated with compressed air energy storage. Energy Conversion and Management, 2020, 215, 112931.	9.2	20
15	Experimental study of a micro-scale solar organic Rankine cycle system based on compound cylindrical Fresnel lens solar concentrator. Science China Technological Sciences, 2019, 62, 2184-2194.	4.0	6
16	Buoyancy effect on the mixed convection flow and heat transfer of supercritical R134a in heated horizontal tubes. International Journal of Heat and Mass Transfer, 2019, 144, 118607.	4.8	17
17	CFD analysis of variable wall thickness scroll expander integrated into small scale ORC systems. Energy Procedia, 2019, 158, 2272-2277.	1.8	14
18	The fluid-thermal-solid coupling analysis of a scroll expander used in an ORC waste heat recovery system. Applied Thermal Engineering, 2018, 138, 72-82.	6.0	16

#	Article	IF	Citations
19	Simulation of effects of ORC system installation on heavy-duty truck. Applied Thermal Engineering, 2018, 128, 1322-1330.	6.0	23
20	The impact of a bilateral symmetric discharge structure on the performance of a scroll expander for ORC power generation system. Energy, 2018, 158, 458-470.	8.8	22
21	A thermal-electrical analogy transient model of district heating pipelines for integrated analysis of thermal and power systems. Applied Thermal Engineering, 2018, 139, 213-221.	6.0	22
22	Performance evaluation of a diesel engine integrated with ORC system. Applied Thermal Engineering, 2017, 115, 221-228.	6.0	37
23	Enhance the Heating Performance of an Electric Vehicle AC/HP System under Low Temperature. Energy Procedia, 2017, 105, 2384-2389.	1.8	14
24	Simulation analysis of cooling methods of an on-board organic Rankine cycle exhaust heat recovery system. International Journal of Energy Research, 2017, 41, 2480-2490.	4.5	5
25	Effects of the ORC Operating Conditions on the Engine Performance for an Engine-ORC Combined System. Energy Procedia, 2017, 105, 662-667.	1.8	5
26	Experimental evaluation of an integrated electric vehicle AC/HP system operating with R134a and R407C. Applied Thermal Engineering, 2016, 100, 1179-1188.	6.0	23
27	Effect of tip clearance and rotorâ€“stator axial gap on the efficiency of a multistage compressor. Applied Thermal Engineering, 2016, 99, 988-995.	6.0	27
28	Modellingand Optimisation on Scroll Expander for Waste Heat Recovery Organic Rankine Cycle. Energy Procedia, 2015, 75, 1603-1608.	1.8	7
29	Effects of suction port arrangements on a scroll expander for a small scale ORC system based on CFD approach. Applied Energy, 2015, 150, 274-285.	10.1	49
30	Unsteady flow in the suction process of a scroll expander for an ORC waste heat recovery system. Applied Thermal Engineering, 2015, 78, 460-470.	6.0	53
31	A review of scroll expanders for organic Rankine cycle systems. Applied Thermal Engineering, 2015, 75, 54-64.	6.0	169
32	Experimental investigations of different compressors based electric vehicle heat pump air-conditioning systems in low temperature environment. , 2014, , .		0
33	Waste heat recovery from heavy-duty diesel engine exhaust gases by medium temperature ORC system. Science China Technological Sciences, 2011, 54, 2746-2753.	4.0	31
34	Compressor performance of two-stage turbocharging system. Frontiers of Mechanical Engineering in China, 2008, 3, 218-221.	0.4	1