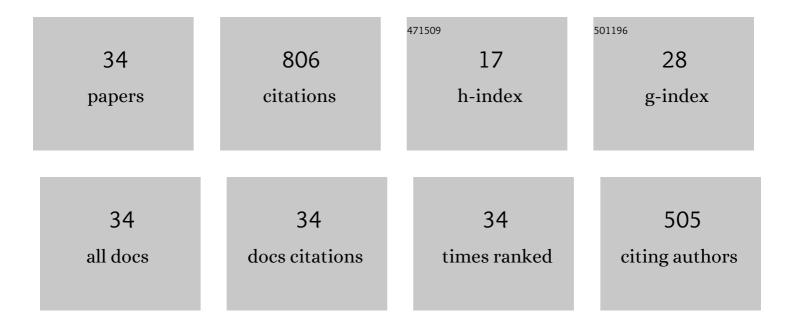
Mingshan Wei

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A review of scroll expanders for organic Rankine cycle systems. Applied Thermal Engineering, 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. Applied Thermal Engineering, 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. Applied Energy, 2015, 150, 274-285.	10.1	49
4	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
5	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
6	Performance evaluation of a diesel engine integrated with ORC system. Applied Thermal Engineering, 2017, 115, 221-228.	6.0	37
7	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
8	Effect of tip clearance and rotor–stator axial gap on the efficiency of a multistage compressor. Applied Thermal Engineering, 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. Applied Energy, 2020, 261, 114477.	10.1	27
10	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
11	Simulation of effects of ORC system installation on heavy-duty truck. Applied Thermal Engineering, 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. Energy, 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. Applied Thermal Engineering, 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. Energy, 2020, 205, 118061.	8.8	22
15	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
16	CFD modelling of small scale ORC scroll expanders using variable wall thicknesses. Energy, 2020, 199, 117399.	8.8	18
17	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
18	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

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19	Operation strategy for interactive CCHP system based on energy complementary characteristics of diverse operation strategies. Applied Energy, 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. Applied Thermal Engineering, 2018, 138, 72-82.	6.0	16
21	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
22	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
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	CFD analysis of variable wall thickness scroll expander integrated into small scale ORC systems. Energy Procedia, 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. Energy, 2022, 244, 122586.	8.8	11
26	Modellingand Optimisation on Scroll Expander for Waste Heat Recovery Organic Rankine Cycle. Energy Procedia, 2015, 75, 1603-1608.	1.8	7
27	The staged development of a horizontal pipe flow at supercritical pressure. International Journal of Heat and Mass Transfer, 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. Energy Conversion and Management, 2021, 250, 114907.	9.2	7
29	Dynamic performance evaluation of LNG vaporization system integrated with solar-assisted heat pump. Renewable Energy, 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. Science China Technological Sciences, 2019, 62, 2184-2194.	4.0	6
31	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
32	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
33	Compressor performance of two-stage turbocharging system. Frontiers of Mechanical Engineering in China, 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