Yulong Zhao

List of Publications by Year
in descending order

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31 papers	890 citations	331670 21 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	442 citing authors

#	Article	IF	Citations
1	Performance investigation of an intermediate fluid thermoelectric generator for automobile exhaust waste heat recovery. Applied Energy, 2019, 239, 425-433.	10.1	72
2	Hydraulic performance of a new district heating systems with distributed variable speed pumps. Applied Energy, 2013, 112, 876-885.	10.1	71
3	Experimental study on thermoelectric power generation based on cryogenic liquid cold energy. Energy, 2021, 220, 119746.	8.8	67
4	Structural optimization of thermoelectric modules in a concentration photovoltaicâ€“thermoelectric hybrid system. Energy, 2022, 244, 123202.	8.8	58
5	Experimental study on the influence of porous foam metal filled in the core flow region on the performance of thermoelectric generators. Applied Energy, 2017, 207, 634-642.	10.1	57
6	Experimental investigation of heat pipe thermoelectric generator. Energy Conversion and Management, 2022, 252, 115123.	9.2	51
7	Experimental study of thermoelectric generator with different numbers of modules for waste heat recovery. Applied Energy, 2022, 322, 119523.	10.1	42
8	Analysis of thermoelectric generation characteristics of flue gas waste heat from natural gas boiler. Energy Conversion and Management, 2017, 148, 820-829.	9.2	41
9	Structural size optimization on an exhaust exchanger based on the fluid heat transfer and flow resistance characteristics applied to an automotive thermoelectric generator. Energy Conversion and Management, 2016, 129, 240-249.	9.2	39
10	Performance analysis of automobile exhaust thermoelectric generator system with media fluid. Energy Conversion and Management, 2018, 171, 427-437.	9.2	38
11	Condensation of steam with high CO2 concentration on a vertical plate. Experimental Thermal and Fluid Science, 2016, 75, 147-155.	2.7	35
12	Energy and exergy analysis of thermoelectric generator system with humidified flue gas. Energy Conversion and Management, 2018, 156, 140-149.	9.2	33
13	Performance analysis of a solar thermoelectric generation (STEG) system with spray cooling. Energy Conversion and Management, 2018, 177, 661-670.	9.2	31
14	Effects of extended surface and surface gold plating on condensation characteristics of steam with large amount of CO2. Experimental Thermal and Fluid Science, 2018, 92, 13-19.	2.7	29
15	Performance analysis of a solar photovoltaic power generation system with spray cooling. Case Studies in Thermal Engineering, 2022, 29, 101723.	5.7	28
16	Performance analysis of vaporizer tube with thermoelectric generator applied to cold energy recovery of liquefied natural gas. Energy Conversion and Management, 2019, 200, 112112.	9.2	24
17	Characteristics analysis of an exhaust thermoelectric generator system with heat transfer fluid circulation. Applied Energy, 2021, 304, 117896.	10.1	24
18	Effects of heat transfer characteristics between fluid channels and thermoelectric modules on optimal thermoelectric performance. Energy Conversion and Management, 2016, 113, 201-208.	9.2	23

#	ARTICLE	IF	CITATIONS
19	Performance analysis of a thermoelectric generator applied to wet flue gas waste heat recovery. Applied Energy, 2018, 228, 2080-2089.	10.1	23
20	Experimental study on heat transfer enhancement of gas tube partially filled with metal foam. Experimental Thermal and Fluid Science, 2018, 97, 408-416.	2.7	22
21	Experimental study on heat transfer and power consumption of low-pressure spray cooling. Applied Thermal Engineering, 2021, 184, 116253.	6.0	21
22	Thermoelectric performance of an exhaust waste heat recovery system based on intermediate fluid under different cooling methods. Case Studies in Thermal Engineering, 2021, 23, 100811.	5.7	17
23	Thermoelectric Power Generation Using LNG Cold Energy and Flue Gas Heat. Energy Procedia, 2017, 105, 1932-1935.	1.8	10
24	Experimental study on the effect of core flow heat transfer enhancement on the performance of TEG. Energy Reports, 2022, 8, 575-580.	5.1	10
25	Effect of a ribbed surface on the water transfer characteristics of a porous plate. International Journal of Heat and Mass Transfer, 2018, 127, 55-58.	4.8	7
26	Effect of exhaust parameters on performance of intermediate fluid thermoelectric generator. Case Studies in Thermal Engineering, 2021, 28, 101480.	5.7	7
27	Experimental Study on the Influence of the Core Flow Heat Transfer Enhancement on the Performance of Thermoelectric Generator. Energy Procedia, 2017, 105, 901-907.	1.8	3
28	Performance analysis of wet flue-gas thermoelectric generator. Energy Procedia, 2017, 142, 148-153.	1.8	3
29	Analysis of optimal humidification temperature for a flue gas thermoelectric generation system with gas humidification. Journal of Cleaner Production, 2021, 285, 125467.	9.3	3
30	Experimental study on thermoelectric performance and power consumption characteristics of flat-plate thermoelectric generator. Energy Reports, 2022, 8, 369-373.	5.1	1
31	Effect of environmental factors on a vaporizer with thermoelectric modules for LNG cold energy utilization. Energy Reports, 2022, 8, 105-110.	5.1	0