

Thermoelectric performance optimization when considering back pressure applied to engine exhaust waste heat recovery

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Assessment of the energy recovery potential of a thermoelectric generator system for passenger vehicles under various drive cycles. <i>Energy</i> , 2018, 143, 363-371.	8.8	28
2	Internal combustion engine waste heat recovery by a thermoelectric generator inserted at combustion chamber walls. <i>International Journal of Energy Research</i> , 2018, 42, 4853-4865.	4.5	21
3	Prediction of the fuel economy potential for a skutterudite thermoelectric generator in light-duty vehicle applications. <i>Applied Energy</i> , 2018, 231, 68-79.	10.1	38
4	Theoretical analysis on a segmented annular thermoelectric generator. <i>Energy</i> , 2018, 157, 297-313.	8.8	55
5	Evaluation of the energy recovery potential of thermoelectric generators in diesel engines. <i>Journal of Cleaner Production</i> , 2019, 241, 118412.	9.3	51
6	Experimental Evaluation of a Diesel Cogeneration System for Producing Power and Drying Aromatic Herbs. <i>Sustainability</i> , 2019, 11, 5121.	3.2	4
7	Predictive energy-saving optimization based on nonlinear model predictive control for cooperative connected vehicles platoon with V2V communication. <i>Energy</i> , 2019, 189, 116120.	8.8	61
8	Automotive exhaust thermoelectric generators: Current status, challenges and future prospects. <i>Energy Conversion and Management</i> , 2019, 195, 1138-1173.	9.2	172
9	Fuel economy analysis under a WLTP cycle on a mid-size vehicle equipped with a thermoelectric energy recovery system. <i>Energy</i> , 2019, 179, 306-314.	8.8	37
10	Simple analytic model for optimally sizing thermoelectric generator module arrays for waste heat recovery. <i>Applied Thermal Engineering</i> , 2019, 146, 795-804.	6.0	13
11	Performance optimization of a class of combined thermoelectric heating devices. <i>Science China Technological Sciences</i> , 2020, 63, 2640-2648.	4.0	77
12	Compact automotive thermoelectric generator with embedded heat pipes for thermal control. <i>Energy</i> , 2020, 197, 117154.	8.8	48
14	Performance enhancement of a natural-gas-fired high-temperature thermoelectric generation system: Design, experiment and modelling optimization. <i>Journal of Power Sources</i> , 2021, 493, 229704.	7.8	4
15	Analytical design model for waste heat thermoelectric generator and experimental verification. <i>Energy Conversion and Management</i> , 2022, 252, 115034.	9.2	17
16	Performance assessment of annular thermoelectric generators for automobile exhaust waste heat recovery. <i>Energy</i> , 2022, 246, 123375.	8.8	23
17	Experimental investigation of a splitting CO ₂ transcritical power cycle in engine waste heat recovery. <i>Energy</i> , 2022, 244, 123126.	8.8	10
18	Effect of Exhaust Backpressure on Performance of a Diesel Engine: Neural Network based Sensitivity Analysis. <i>International Journal of Automotive Technology</i> , 2022, 23, 215-223.	1.4	5
19	Investigations on Supercharging and Turbo-Compounding of a Single Cylinder Diesel Engine. , 0, , .		5

#	ARTICLE	IF	CITATIONS
20	Matching and optimization for a thermoelectric generator applied in an extended-range electric vehicle for waste heat recovery. <i>Applied Energy</i> , 2022, 313, 118783.	10.1	13
21	Review of thermoelectric generation for internal combustion engine waste heat recovery. <i>Progress in Energy and Combustion Science</i> , 2022, 91, 101009.	31.2	62
22	Numerical investigation of an exhaust thermoelectric generator with a perforated plate. <i>Energy</i> , 2023, 263, 125776.	8.8	25
23	Experimental and modeling analysis on thermoelectric heat recovery to maximize the performance of next-generation diesel engines dedicated for future electrified powertrains. <i>Applied Thermal Engineering</i> , 2023, 219, 119530.	6.0	10
24	Fuel saving potential analysis of bifunctional vehicular waste heat recovery system using thermoelectric generator and organic Rankine cycle. <i>Energy</i> , 2023, 263, 125717.	8.8	10
25	Experimental study on influence of high exhaust backpressure on diesel engine performance via energy and exergy analysis. <i>Energy</i> , 2023, 263, 125788.	8.8	5
26	Thermodynamic analysis of power recovery of marine diesel engine under high exhaust backpressure by additional electrically driven compressor. <i>Energy</i> , 2023, 266, 126470.	8.8	1
27	Heating load, COP and exergetic efficiency optimizations for TEG-TEH combined thermoelectric device with Thomson effect and external heat transfer. <i>Energy</i> , 2023, 270, 126824.	8.8	23
28	Numerical investigation of a thermoelectric generator system with embedded sickle-shaped fins. <i>Applied Thermal Engineering</i> , 2024, 236, 121741.	6.0	5