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A review of boiler waste heat recovery technologies in the medium-low temperature range

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#	Paper	IF	Citations
19	Thermodynamic performance study on gas-steam cogeneration systems with different configurations based on condensed waste heat utilization. <i>Energy</i> , 2022 , 250, 123836	7.9	0
18	Experimental and Numerical Study of Thermal Performance of an Innovative Waste Heat Recovery System. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11542	2.6	1
17	Emission Characteristics of PM (PM _{total} , PM ₁₀ , PM _{2.5}), NO _x , CO and VOCs Emitted from LNG-fired Gas Turbine and Small Domestic Boiler. <i>Asian Journal of Atmospheric Environment</i> , 2021 , 15, 103-113	1.3	
16	Development of a High Performance Gas Thermoelectric Generator (TEG) with Possible Use of Waste Heat. <i>Energies</i> , 2022 , 15, 3960	3.1	1
15	Reducing electricity demand by integrating a sustainable pack into HVAC- adding PCM in sustainable pack as well as building envelopes. <i>Journal of Building Engineering</i> , 2022 , 57, 104915	5.2	1
14	Quantification of waste heat potential in China: A top-down societal Waste Heat Accounting Model. 2022 , 125194		0
13	Simulation study of an open compression absorption heat pump in water and heat recovery of low-temperature and high-humidity flue gas. 2022 , 269, 116180		0
12	Investigation of corrosion and fouling resistance of NiB-nanoparticles composite coating using online monitoring technology. 2023 , 184, 107953		0
11	Experimental and numerical investigation of the temperature and flow rate variation on an industrial high-temperature thermozone storage for recovering waste heat. 2022 , 55, 105656		0
10	Study on sodium acetate trihydrate-expand graphite-carbon nanotubes composite phase change materials with enhanced thermal conductivity for waste heat recovery. 2022 , 55, 105857		0
9	Assessment of the possibility of using waste energy technologies and equipment. 2022 ,		0
8	Current progress of process integration for waste heat recovery in steel and iron industries. 2023 , 338, 127237		1
7	Energy efficiency improvement for industrial boilers through a flue-gas condensing heat recovery system with nonlinear MPC approach. 2023 , 120554		0
6	Experimental research on direct expansion heat pump flue gas waste heat recovery and humidification nitrogen reduction system. 2023 , 406, 137000		0
5	Predicting the response of heating and cooling demands of residential buildings with various thermal performances in China to climate change. 2023 , 269, 126789		0
4	Carbon dioxide and acetone mixtures as refrigerants for industry heat pumps to supply temperature in the range 150-20 oC. 2023 , 269, 126821		0
3	Energy saving analysis and thermal performance evaluation of a hydrogen-enriched natural gas-fired condensing boiler. 2023 ,		0

2 Analysis on hybrid compression-assisted sorption heat transformer for potential domestic heating. 1-10 ○

1 Evaluating barriers to sustainable boiler operation in the apparel manufacturing industry: Implications for mitigating operational hazards in the emerging economies. **2023**, 18, e0284423 ○