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Design and optimization of combined gasoline vapor recovery, cascade power and Rectisol wash for liquid natural gas cold energy utilization

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Energy Conversion and Management, 2020, 207, 112511.

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#	Paper	IF	Citations
17	A novel design of low-grade waste heat utilization for coal-fired power plants with sulfuric acid recovery. <i>Energy Conversion and Management</i> , 2021 , 227, 113640	10.6	5
16	Opportunities and strategies for multigrade waste heat utilization in various industries: A recent review. <i>Energy Conversion and Management</i> , 2021 , 229, 113769	10.6	27
15	A new scheme for large marine vessels LNG cold energy utilization from thermodynamic and thermo-economic viewpoints. <i>Energy Conversion and Management</i> , 2021 , 229, 113770	10.6	11
14	A novel cryogenic condensation system based on heat-driven refrigerator without power input for volatile organic compounds recovery. <i>Energy Conversion and Management</i> , 2021 , 238, 114157	10.6	2
13	Thermodynamic analysis of a semi-lean solution process for energy saving via rectisol wash technology. <i>Energy</i> , 2021 , 226, 120402	7.9	0
12	Cold-end integration of thermal system in a 1000MW ultra-supercritical double reheat power plant. <i>Applied Thermal Engineering</i> , 2021 , 193, 116982	5.8	3
11	Optimization of energy-exergy efficiencies of an advanced cold energy utilization system in liquefied natural gas filling station. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 95, 104235	4.6	3
10	Thermodynamic optimization of the indirect precooled engine cycle using the method of cascade utilization of cold sources. <i>Energy</i> , 2022 , 238, 121769	7.9	2
9	A novel design of cold energy cascade utilization with advanced peak-shaving strategy integrated liquid air energy storage. <i>Journal of Cleaner Production</i> , 2021 , 327, 129493	10.3	3
8	An integrated design of LNG cold energy recovery for supply demand balance using energy storage devices. <i>Renewable Energy</i> , 2022 , 183, 830-848	8.1	4
7	Evaluating and optimizing the cold energy efficiency of power generation and wastewater treatment in LNG-fired power plant based on data-driven approach. <i>Journal of Cleaner Production</i> , 2022 , 334, 130149	10.3	1
6	Integrated design and optimization research of LNG cold energy and main engine exhaust heat utilization for LNG powered ships. <i>Case Studies in Thermal Engineering</i> , 2022 , 33, 101976	5.6	0
5	A novel cryogenic condensation system combined with gas turbine with low carbon emission for volatile compounds recovery. <i>Energy</i> , 2022 , 248, 123604	7.9	1
4	Energy, exergy, economic, exergoeconomic and exergoenvironmental (5E) analyses and optimization of a novel three-stage cascade system based on LNG cold energy. <i>Energy Technology</i> ,	3.5	
3	A high-efficiency and eco-friendly design for coal-fired power plants: Combined waste heat recovery and electron beam irradiation. 2022 , 258, 124884		1
2	Exergoeconomic, exergoenvironmental analysis and multi-objective optimization of a novel combined cooling, heating and power system for liquefied natural gas cold energy recovery. 2023 , 269, 126752		0
1	A review on technologies with electricity generation potentials using liquefied natural gas regasification cold energy.		0

