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Numerical simulation of natural convection and boil-off in a small size pressurized LNG storage tank

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#	Paper	IF	Citations
26	Multiphase-thermal simulation on BOG/BOR estimation due to phase change in cryogenic liquid storage tanks. <i>Applied Thermal Engineering</i> , <b>2021</b> , 184, 116264	5.8	1
25	A moving-boundary based dynamic model for predicting the transient free convection and thermal stratification in liquefied gas storage tank. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 160, 106690	4.1	1
24	Evolution Process of Liquefied Natural Gas from Stratification to Rollover in Tanks of Coastal Engineering with the Influence of Baffle Structure. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 95	2.4	3
23	MINLP Model for Operational Optimization of LNG Terminals. <i>Processes</i> , <b>2021</b> , 9, 599	2.9	5
22	Numerical study of the boil-off gas (BOG) generation characteristics in a type C independent liquefied natural gas (LNG) tank under sloshing excitation. <i>Energy</i> , <b>2021</b> , 223, 120001	7.9	10
21	Advanced boil-off gas studies for liquefied natural gas. <i>Applied Thermal Engineering</i> , <b>2021</b> , 189, 116735	5.8	8
20	A numerical model for liquid-vapor transition in self-pressurized cryogenic containers. <i>Applied Thermal Engineering</i> , <b>2021</b> , 193, 117005	5.8	1
19	A simulation-optimization model for liquefied natural gas transportation considering product variety. <i>International Journal of Management Science and Engineering Management</i> , 1-11	2.8	2
18	Numerical simulation of thermal-structural behaviour of liquid helium tank during filling process. <i>Fusion Engineering and Design</i> , <b>2021</b> , 173, 112798	1.7	1
17	Research progress of lossless and safe storage technology for cryogenic liquid tanks. <i>International Journal of Green Energy</i> , 1-22	3	1
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15	Liquefied Natural Gas Regasification Technologies. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , <b>2022</b> , 270-280	0.3	
14	Prediction model of LNG weathering using net mass and heat transfer. <i>Energy</i> , <b>2022</b> , 247, 123325	7.9	0
13	Modelling of Liquid Hydrogen Boil-Off. <i>Energies</i> , <b>2022</b> , 15, 1149	3.1	4
12	Effect of gas injection mass flow rates on the thermal behavior in a cryogenic fuel storage tank. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	2
11	Hydrogen Liquefaction: A Review of the Fundamental Physics, Engineering Practice and Future Opportunities. <i>Energy and Environmental Science</i> ,	35.4	3
10	Experimental and numerical investigation of change in boil-off gas and thermodynamic characteristics according to filling ratio in a C-type cryogenic liquid fuel tank. <i>Energy</i> , <b>2022</b> , 255, 124530	7.9	0

- 9 Performance-based design of LNG container on small-scale LNG carrier through multi-objective optimization. **2022**, 262, 112233 ○
- 8 Dynamic thermal modeling of the refrigerated liquified CO2 tanker in carbon capture, utilization, and storage chain: A truck transport case study. **2022**, 326, 119990 ○
- 7 A comprehensive review of methods used to improve the thermal performance of heat sinks in natural convection. ○
- 6 Numerical Study of Heat Flux and BOG in C-Type Liquefied Hydrogen Tank under Sloshing Excitation at the Saturated State. **2022**, 35, 299-308 ○
- 5 Experimental and numerical investigation of evaporation and the dependence of flash points on the ignition spots at an open-cup method. **2023**, 719, 179417 ○
- 4 Thermodynamic performance in a liquid oxygen tank during active-pressurization under different gas injection temperatures. **2023**, 140, 106477 ○
- 3 A review of cryogenic quasi-steady liquid-vapor phase change: Theories, models, and state-of-the-art applications. **2023**, 205, 123916 ○
- 2 A Review on Process Modeling and Simulation of Cryogenic Carbon Capture for Post-Combustion Treatment. **2023**, 16, 1855 ○
- 1 Blowdown of CO2 vessels at low and medium pressure conditions: Experiments and simulations. **2023**, ○