

# Yanzhong Li

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

2621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation on cryogenic chilldown performance under high-Reynolds number condition and using interior micro-fin structure. International Journal of Heat and Mass Transfer, 2022, 182, 121979.	4.8	9
2	Refrigerant film flow and heat transfer characteristics on the elliptical tube under constant wall temperature. Applied Thermal Engineering, 2022, 200, 117669.	6.0	11
3	A novel anti-freezing methane propellant subcooling approach and its performance analysis. Asia-Pacific Journal of Chemical Engineering, 2022, 17, e2729.	1.5	1
4	Numerical Study on Pool Film Boiling of Liquid Hydrogen over Horizontal Cylinders. Energies, 2022, 15, 1044.	3.1	4
5	Multi-field coupled effect of thermal disturbance on quench and recovery characteristic along the hybrid energy pipe. Energy, 2022, 246, 123362.	8.8	4
6	The Impact of Vapor Blockage on the Outflow Rate of Screen Channel Liquid Acquisition Devices. Micromachines, 2022, 13, 322.	2.9	1
7	Study on adsorption characteristics optimization of vertical radial flow adsorber. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	1.5	1
8	Effect of gas injection mass flow rates on the thermal behavior in a cryogenic fuel storage tank. International Journal of Hydrogen Energy, 2022, 47, 14703-14713.	7.1	8
9	Thermodynamic performance on the pressurized discharge process from a cryogenic fuel storage tank. International Journal of Hydrogen Energy, 2022, 47, 12107-12118.	7.1	9
10	Numerical study on settlement behaviors of slush hydrogen in cryogenic tank. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	1.5	0
11	CFD study on film boiling features of cryogenic fluid influenced by heat structures and gravity levels. Cryogenics, 2022, 124, 103455.	1.7	2
12	Analysis and experimental investigation on the subcooling of liquid oxygen propellant. Cryogenics, 2022, 124, 103468.	1.7	3
13	Investigation on Thermal Behavior During Pressurization Discharge of Liquid Oxygen Under Different Acceleration Levels. Microgravity Science and Technology, 2022, 34, 1.	1.4	4
14	Investigation on the pressurized discharge performance from a liquid oxygen tank under different injected gas temperatures. Thermal Science and Engineering Progress, 2022, 32, 101329.	2.7	1
15	Analysis of growing characteristics of fuel layer in ICF cryogenic target. Cryogenics, 2022, 124, 103480.	1.7	0
16	Fluid sloshing hydrodynamics in a cryogenic fuel storage tank under different order natural frequencies. Journal of Energy Storage, 2022, 52, 104830.	8.1	9
17	Optimization of a cryogenic liquid air energy storage system and its optimal thermodynamic performance. International Journal of Energy Research, 2022, 46, 15156-15173.	4.5	4
18	Performance analysis and improved design of screen channel liquid acquisition device for hydrogen. International Journal of Hydrogen Energy, 2022, 47, 23856-23870.	7.1	2

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19	Study on performance comparison of different fin combinations of catalyst filled plate fin heat exchanger for hydrogen liquefaction. International Journal of Hydrogen Energy, 2022, 47, 23661-23678.	7.1	16
20	Modeling the diffusion of flammable hydrogen cloud under different liquid hydrogen leakage conditions in a hydrogen refueling station. International Journal of Hydrogen Energy, 2022, 47, 25849-25863.	7.1	16
21	Falling Film Flow and Heat Transfer of Cryogenic Liquid Oxygen on Different Structural Surfaces. Energies, 2022, 15, 5040.	3.1	0
22	Numerical investigation on subcooled pool film boiling of liquid hydrogen in different gravities. International Journal of Hydrogen Energy, 2021, 46, 2646-2657.	7.1	15
23	Hybrid ground source heat pump system for overcoming soil thermal imbalance: A review. Sustainable Energy Technologies and Assessments, 2021, 44, 101098.	2.7	15
24	Estimation of the pressure oscillation in geyser process occurring in cryogenic fluid pipeline. International Journal of Heat and Mass Transfer, 2021, 169, 120922.	4.8	3
25	A comprehensive simulation and optimization on heat transfer characteristics of subcooled seawater falling film around elliptical tubes. Applied Thermal Engineering, 2021, 189, 116675.	6.0	18
26	Numerical study of the falling film wettability and heat transfer on the inclined plates with different corrugated structures. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2664.	1.5	3
27	Transient modelling of pressure-controlled propellant crossfeed for liquid rocket. Cryogenics, 2021, 116, 103303.	1.7	2
28	Transient modeling of quench and recovery of LNG-HTS hybrid energy transmission system based on multi-field coupled analysis. Applied Thermal Engineering, 2021, 195, 117139.	6.0	6
29	Experimental investigation on the thermo-hydraulic characteristics and occurrence boundary of geyser in a cryogenic pipe. Applied Thermal Engineering, 2021, 195, 117172.	6.0	1
30	Numerical investigation on spilling upward performance of hydrogen bubbles inside a delivery tube under low-gravity environment. Cryogenics, 2021, 118, 103333.	1.7	1
31	Numerical investigation on fin configuration improvement of 2ÅK sub-atmospheric plate-fin heat exchangers for the superfluid helium cryogenic systems. Applied Thermal Engineering, 2021, 196, 117290.	6.0	10
32	Investigation of the hazardous area in a liquid hydrogen release with or without fence. International Journal of Hydrogen Energy, 2021, 46, 36598-36609.	7.1	9
33	Investigation on the elimination of geyser in a cryogenic pipe by a recirculation method. Applied Thermal Engineering, 2021, 197, 117428.	6.0	5
34	Thermal prediction of transient two-phase flow in cryogenic transportation based on drift-flux model. International Journal of Heat and Mass Transfer, 2021, 177, 121512.	4.8	5
35	Numerical investigation on the direct contact condensation of oxygen jets in a cryogenic pipe. Cryogenics, 2021, 119, 103364.	1.7	6
36	Numerical investigation on serrated fin of sub-atmosphere plate-fin heat exchanger used in superfluid helium system. Cryogenics, 2021, 119, 103351.	1.7	10

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37	A novel pipe structure for geyser elimination in a vertical cryogenic pipe. International Journal of Heat and Mass Transfer, 2021, 178, 121631.	4.8	1
38	Effect of initial parameter on thermodynamic performance in a liquid oxygen tank with pressurized helium gas. Science and Technology for the Built Environment, 2020, 26, 426-436.	1.7	4
39	Numerical Investigation on Thermal Performance Design of Cryogenic Compact Heat Exchangers with Serrated-Fin Channels. Heat Transfer Engineering, 2020, 41, 1856-1868.	1.9	4
40	Fluid sloshing dynamic performance in a fuel storage tank under sinusoidal excitations. Applied Thermal Engineering, 2020, 168, 114814.	6.0	9
41	Simulation on vertical wicking behaviors of liquid hydrogen within metallic weaves in terrestrial and microgravity environments. International Journal of Hydrogen Energy, 2020, 45, 4910-4921.	7.1	7
42	Thermal performance optimization and evaluation of a radial finned shell-and-tube latent heat thermal energy storage unit. Applied Thermal Engineering, 2020, 166, 114753.	6.0	94
43	Simulation on chill-down behavior and induced thermal stress of a cryogenic tank during LN2 filling. Applied Thermal Engineering, 2020, 181, 115876.	6.0	2
44	Numerical investigation on chill-down and thermal stress characteristics of a LH2 tank during ground filling. International Journal of Hydrogen Energy, 2020, 45, 25344-25356.	7.1	6
45	Dispersion behavior and safety study of liquid hydrogen leakage under different application situations. International Journal of Hydrogen Energy, 2020, 45, 31278-31288.	7.1	31
46	Parametric influence study of cryogenic hydrogen dispersion on theoretical aspect. International Journal of Hydrogen Energy, 2020, 45, 20153-20162.	7.1	11
47	Thermal physical process in a liquid oxygen tank under different sloshing excitations. International Communications in Heat and Mass Transfer, 2020, 117, 104771.	5.6	22
48	Dynamic variation of interface shape in a liquid oxygen tank under a sinusoidal sloshing excitation. Ocean Engineering, 2020, 213, 107637.	4.3	12
49	Investigation on the difference of geyser behaviors among different cryogenic fuels of launch vehicle. International Journal of Hydrogen Energy, 2020, 45, 34150-34162.	7.1	10
50	The Influence of Pipe Types on The Thermal Performance of Flat-plate Closed Loop Pulsating Heat Pipe. E3S Web of Conferences, 2020, 194, 01014.	0.5	0
51	Effects of the Fungal Endophyte <i>Epichloa festucae</i> var. <i>lolii</i> on Growth and Physiological Responses of Perennial Ryegrass cv. Fairway to Combined Drought and Pathogen Stresses. Microorganisms, 2020, 8, 1917.	3.6	20
52	Study on pressure wave propagation through cryogenic condensing two-phase flow in liquid rocket propellant feedline. Cryogenics, 2020, 112, 103193.	1.7	7
53	Numerical investigation on the mechanism of geyser in cryogenic fluid pipes. International Journal of Heat and Mass Transfer, 2020, 154, 119670.	4.8	14
54	Numerical study on natural convection of liquid nitrogen used to cool the high-temperature superconducting cable in a new combined energy transmission system. Cryogenics, 2020, 109, 103101.	1.7	5

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55	Cooling behaviors of a novel flow channel in mechanical seals of extreme high-speed rotation for cryogenic rockets. Cryogenics, 2020, 107, 103055.	1.7	5
56	Thermodynamic characteristic in a cryogenic storage tank under an intermittent sloshing excitation. International Journal of Hydrogen Energy, 2020, 45, 12082-12094.	7.1	19
57	Numerical Investigation on Instability Flow Behaviors of Liquid Oxygen in a Feeding Pipeline with a Five-Way Spherical Cavity. Energies, 2020, 13, 926.	3.1	1
58	Investigation of appearance and intensity of geyser phenomenon in a vertical cryogenic pipe. International Journal of Heat and Mass Transfer, 2020, 150, 119390.	4.8	17
59	Structure optimization design of ground heat exchanger by topology method to mitigate the geothermal imbalance. Applied Thermal Engineering, 2020, 170, 115023.	6.0	14
60	Investigation on Wicking Performance of Cryogenic Propellants Within Woven Screens Under Different Thermal and Gravity Conditions. Journal of Low Temperature Physics, 2020, 199, 1344-1362.	1.4	3
61	Effect of External Heat Input on Fluid Sloshing Dynamic Performance in a Liquid Oxygen Tank. International Journal of Aeronautical and Space Sciences, 2020, 21, 879-888.	2.0	4
62	Multi-parameter optimization of serrated fins in plate-fin heat exchanger based on fluid-structure interaction. Applied Thermal Engineering, 2020, 176, 115357.	6.0	24
63	Melting performance analysis of phase change materials in different finned thermal energy storage. Applied Thermal Engineering, 2020, 176, 115425.	6.0	86
64	CFD investigation on thermodynamic characteristics in liquid hydrogen tank during successive varied-gravity conditions. Cryogenics, 2019, 103, 102973.	1.7	9
65	Experimental investigation on two-phase flow instabilities in long-distance transportation of liquid oxygen. Cryogenics, 2019, 102, 56-64.	1.7	7
66	Investigation on cryo-wicking performance within metallic weaves under superheated conditions for screen channel liquid acquisition devices (LADs). International Journal of Heat and Mass Transfer, 2019, 141, 530-541.	4.8	13
67	Energy efficiency analysis of a liquefied natural gas and electric power combined transmission system. , 2019, , .		6
68	Effect of Excitation Types on Sloshing Dynamic Characteristics in a Cryogenic Liquid Oxygen Tank. Journal of Aerospace Engineering, 2019, 32, 04019096.	1.4	6
69	Sensitivity and stress analysis of serrated fin structure in plate-fin heat exchanger on cryogenic condition. International Journal of Thermal Sciences, 2019, 145, 106013.	4.9	16
70	Influences of structure parameters on performance of tree-shaped ground heat exchanger. Energy Procedia, 2019, 158, 5954-5961.	1.8	2
71	Numerical investigation on the difference of dispersion behavior between cryogenic liquid hydrogen and methane. International Journal of Hydrogen Energy, 2019, 44, 22368-22379.	7.1	19
72	Hydrodynamic performance in a sloshing liquid oxygen tank under different initial liquid filling levels. Aerospace Science and Technology, 2019, 85, 544-555.	4.8	32

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73	A Parametric Sensitivity Study and Comparison Analysis on Multiple Air Separation Processes. Industrial & Engineering Chemistry Research, 2019, 58, 9087-9098.	3.7	5
74	Fluid sloshing dynamic performance in a liquid hydrogen tank. International Journal of Hydrogen Energy, 2019, 44, 13885-13894.	7.1	34
75	Sloshing Behavior Under Different Initial Liquid Temperatures in a Cryogenic Fuel Tank. Journal of Low Temperature Physics, 2019, 196, 347-363.	1.4	9
76	Plume dispersion behaviour and hazard identification for large quantities of liquid hydrogen leakage. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2299.	1.5	16
77	Effects of ground heat exchangers with different connection configurations on the heating performance of GSHP systems. Geothermics, 2019, 80, 20-30.	3.4	44
78	Numerical analysis of dynamic heating modulation during rapid cooling of fuel layer in an indirect-drive cryogenic target. Progress in Nuclear Energy, 2019, 114, 22-30.	2.9	3
79	Thermal behavior and flow instabilities during transient chilldown of liquid rocket engine by passive recirculation approach. Cryogenics, 2019, 99, 87-98.	1.7	7
80	Investigation on isothermal wicking performance within metallic weaves for screen channel liquid acquisition devices (LADs). International Journal of Heat and Mass Transfer, 2019, 135, 392-402.	4.8	14
81	Optimization of ground heat exchanger using microencapsulated phase change material slurry based on tree-shaped structure. Applied Energy, 2019, 240, 860-869.	10.1	52
82	Cooling behaviors of liquid hydrogen by helium gas injection. Heat and Mass Transfer, 2019, 55, 2373-2390.	2.1	6
83	Hydrodynamic performance on sloshing process in a liquid oxygen tank under intermittent excitation. Cryogenics, 2019, 98, 92-101.	1.7	9
84	Numerical investigation on wetting behavior and heat transfer characteristics of film flow on the smooth and orthogonal wave plates. , 2019, , .		0
85	Experimental investigation of abnormal pressure drop in branch feedlines with a five-port spherical cavity in liquid oxygen engines. Cryogenics, 2019, 104, 102994.	1.7	2
86	Transient characteristics and performances of passive recirculation system for liquid rocket engine precooling. Applied Thermal Engineering, 2019, 149, 41-53.	6.0	6
87	Sloshing hydrodynamic performance in cryogenic liquid oxygen tanks under different amplitudes. Applied Thermal Engineering, 2019, 150, 359-371.	6.0	27
88	Effects of tube shape on flow and heat transfer characteristics in falling film evaporation. Applied Thermal Engineering, 2019, 148, 412-419.	6.0	27
89	A modified heat transfer correlation for flow boiling in small channels based on the boundary layer theory. International Journal of Heat and Mass Transfer, 2019, 132, 107-117.	4.8	8
90	Feasibility analysis and simulation of argon recovery in low oxygen-purity cryogenic air separation process with low energy consumption. Cryogenics, 2019, 97, 109-121.	1.7	8

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91	A novel tree-shaped ground heat exchanger for GSHPs in severely cold regions. Applied Thermal Engineering, 2019, 146, 278-287.	6.0	27
92	Thermal physical performance in liquid hydrogen tank under constant wall temperature. Renewable Energy, 2019, 130, 601-612.	8.9	32
93	Numerical investigation of flammable cloud on liquid hydrogen spill under various weather conditions. International Journal of Hydrogen Energy, 2018, 43, 5249-5260.	7.1	37
94	Structure optimization for horizontal ground heat exchanger. Applied Thermal Engineering, 2018, 136, 131-140.	6.0	57
95	Experimental study on refrigeration performance and fluid thermal stratification of thermodynamic vent. International Journal of Refrigeration, 2018, 88, 496-505.	3.4	6
96	An arbuscular mycorrhizal fungus and <i>Epichloa festucae</i> var. <i>lolii</i> reduce <i>Bipolaris sorokiniana</i> disease incidence and improve perennial ryegrass growth. Mycorrhiza, 2018, 28, 159-169.	2.8	42
97	Thermal distribution and cooling performance of cryogenic target under stable and fluctuating cooling conditions. Fusion Engineering and Design, 2018, 127, 23-33.	1.9	6
98	Experimental study on thermodynamic vent system with different influence factors. International Journal of Energy Research, 2018, 42, 1040-1055.	4.5	2
99	Study on thermal stratification in liquid hydrogen tank under different gravity levels. International Journal of Hydrogen Energy, 2018, 43, 9369-9378.	7.1	44
100	Thermal design and optimization of plate-fin heat exchangers based global sensitivity analysis and NSGA-II. Applied Thermal Engineering, 2018, 136, 444-453.	6.0	26
101	The comparison of condensation heat transfer and frictional pressure drop of R1234ze(E), propane and R134a in a horizontal mini-channel. International Journal of Refrigeration, 2018, 92, 208-224.	3.4	31
102	Numerical investigation on condensation heat transfer and pressure drop characteristics of R134a in horizontal flattened tubes. International Journal of Refrigeration, 2018, 85, 441-461.	3.4	29
103	Numerical study on flow and heat transfer characteristics of low pressure gas in slip flow regime. International Journal of Thermal Sciences, 2018, 124, 131-145.	4.9	17
104	Fluid thermal stratification in a non-isothermal liquid hydrogen tank under sloshing excitation. International Journal of Hydrogen Energy, 2018, 43, 22622-22635.	7.1	36
105	Theoretical study on bubble formation and flow condensation in downflow channel with horizontal gas injection. Heat and Mass Transfer, 2018, 54, 3329-3343.	2.1	4
106	Time-course metabolic profiling in alfalfa leaves under <i>Phoma medicaginis</i> infection. PLoS ONE, 2018, 13, e0206641.	2.5	11
107	Insulation performance of foam during the terrestrial and ascent period. Applied Thermal Engineering, 2018, 145, 364-374.	6.0	7
108	A simple and effective approach for evaluating unconfined hydrogen/air cloud explosions. International Journal of Hydrogen Energy, 2018, 43, 10193-10204.	7.1	12



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109	Investigation on interphase mixing and flow condensation process in a vertical channel. Experimental Thermal and Fluid Science, 2018, 98, 1-11.	2.7	17
110	Effect of surface tension, gravity and turbulence on condensation patterns of R1234ze(E) in horizontal mini/macro-channels. International Journal of Heat and Mass Transfer, 2018, 125, 153-170.	4.8	23
111	Thermal performance of liquid hydrogen tank in reduced gravity. Advances in Space Research, 2018, 62, 957-966.	2.6	9
112	Transient modeling of cryogenic two-phase flow boiling during chill-down process. Applied Thermal Engineering, 2018, 143, 461-471.	6.0	19
113	Numerical investigation on sealing behaviors of an extremely high-speed two-stage impellers structure in cryogenic rockets. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2229.	1.5	6
114	Influence of filling methods on the cool down performance and induced thermal stress distribution in cryogenic tank. Applied Thermal Engineering, 2018, 141, 1009-1019.	6.0	8
115	Effect of fin types and Prandtl number on performance of plate-fin heat exchanger: Experimental and numerical assessment. Applied Thermal Engineering, 2018, 144, 726-735.	6.0	22
116	Arbuscular mycorrhiza fungi increased the susceptibility of <i>Astragalus adsurgens</i> to powdery mildew caused by <i>Erysiphe pisi</i> . Mycology, 2018, 9, 223-232.	4.4	23
117	A novel optimization framework for designing multi-stream compact heat exchangers and associated network. Applied Thermal Engineering, 2017, 116, 110-125.	6.0	29
118	Improvements on Flow Distribution and Heat Transfer Performance of Plate-fin Heat Exchangers by Qusai-S Type Header Configuration. Heat Transfer Engineering, 2017, 38, 1547-1560.	1.9	16
119	Optimization on the performance of ground heat exchangers for GSHP using Kriging model based on MOGA. Applied Thermal Engineering, 2017, 118, 480-489.	6.0	41
120	Feasibility analysis and application consideration of a rapid method to obtain subcooled cryogenic propellants. Applied Thermal Engineering, 2017, 118, 82-89.	6.0	6
121	Experimental investigation of two-phase flow distribution in plate-fin heat exchangers. Chemical Engineering Research and Design, 2017, 120, 34-46.	5.6	18
122	A mathematical model for flow maldistribution study in a parallel plate-fin heat exchanger. Applied Thermal Engineering, 2017, 121, 462-472.	6.0	39
123	Performance evaluation on ground loading systems of cryogenic propellants. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 993-1011.	1.5	2
124	Sobol sensitivity analysis for governing variables in design of a plate-fin heat exchanger with serrated fins. International Journal of Heat and Mass Transfer, 2017, 115, 871-881.	4.8	14
125	Ground experimental investigation of thermodynamic vent system with HCFC123. International Journal of Thermal Sciences, 2017, 122, 218-230.	4.9	6
126	A thermal design method for the performance optimization of multi-stream plate-fin heat exchangers. Journal of Mechanical Science and Technology, 2017, 31, 3017-3024.	1.5	6



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127	CFD investigation on helium pressurization behaviors in liquid hydrogen tank. International Journal of Hydrogen Energy, 2017, 42, 30792-30803.	7.1	14
128	Heat transfer performances of cryogenic fluids in offset strip fin-channels considering the effect of fin efficiency. International Journal of Heat and Mass Transfer, 2017, 114, 1114-1125.	4.8	25
129	Investigation on no-vent filling process of liquid hydrogen tank under microgravity condition. International Journal of Hydrogen Energy, 2017, 42, 8264-8277.	7.1	41
130	An ejector-enhanced re-liquefaction process (EERP) for liquid ethylene vessels. International Journal of Energy Research, 2017, 41, 658-672.	4.5	9
131	Thermodynamic performance of pre-pressurization in a cryogenic tank. Applied Thermal Engineering, 2017, 112, 801-810.	6.0	44
132	A forced convection heat transfer correlation of rarefied gases cross-flowing over a circular cylinder. Experimental Thermal and Fluid Science, 2017, 80, 327-336.	2.7	12
133	Analysis of the Fin Performance of Offset Strip Fins Used in Plate-Fin Heat Exchangers. Journal of Heat Transfer, 2016, 138, .	2.1	14
134	Experimental study on a multi-evaporator refrigeration system with variable area ratio ejector. Applied Thermal Engineering, 2016, 102, 196-203.	6.0	37
135	Effect of C60 nanofluid on the thermal performance of a flat-plate pulsating heat pipe. International Journal of Heat and Mass Transfer, 2016, 100, 892-898.	4.8	47
136	Configuration parameters design and optimization for plate-fin heat exchangers with serrated fin by multi-objective genetic algorithm. Energy Conversion and Management, 2016, 117, 482-489.	9.2	77
137	Mechanical Design and Analysis of an Indirect-drive Cryogenic Target. Journal of Fusion Energy, 2016, 35, 673-682.	1.2	6
138	A Re-examination of the Taxonomic Status of Embellisia astragali. Current Microbiology, 2016, 72, 404-409.	2.2	10
139	Proposal and design of a natural gas liquefaction process recovering the energy obtained from the pressure reducing stations of high-pressure pipelines. Cryogenics, 2016, 80, 82-90.	1.7	27
140	Measurements of interfacial thermal contact conductance between pressed alloys at low temperatures. Cryogenics, 2016, 80, 33-43.	1.7	17
141	Investigation on pressurization behaviors of two-side-insulated cryogenic tank during discharge. International Journal of Heat and Mass Transfer, 2016, 102, 703-712.	4.8	10
142	Thermal analysis of double-pipe heat exchanger in thermodynamic vent system. Energy Conversion and Management, 2016, 126, 837-849.	9.2	13
143	Enhancement of energy performance in a boil-off gas re-liquefaction system of LNG carriers using ejectors. Energy Conversion and Management, 2016, 126, 875-888.	9.2	51
144	Correlations for calculating heat transfer of hydrogen pool boiling. International Journal of Hydrogen Energy, 2016, 41, 17118-17131.	7.1	27

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145	Experimental study on a self-refrigerated auto air conditioning system based on LNG-fuelled trucks. , 2016, , .		2
146	Pressurization performance and temperature stratification in cryogenic final stage propellant tank. Applied Thermal Engineering, 2016, 106, 211-220.	6.0	53
147	Numerical investigation on thermal performance of ground heat exchangers using phase change materials as grout for ground source heat pump system. Applied Thermal Engineering, 2016, 106, 1023-1032.	6.0	86
148	Experimental study on performance of a hybrid ejector-vapor compression cycle. Energy Conversion and Management, 2016, 113, 36-43.	9.2	33
149	Thermal performance of foam/MLI for cryogenic liquid hydrogen tank during the ascent and on orbit period. Applied Thermal Engineering, 2016, 98, 430-439.	6.0	32
150	Prediction of pool boiling heat transfer for hydrogen in microgravity. International Journal of Heat and Mass Transfer, 2016, 94, 465-473.	4.8	20
151	Optimization investigation on configuration parameters of serrated fin in plate-fin heat exchanger using genetic algorithm. International Journal of Thermal Sciences, 2016, 101, 116-125.	4.9	88
152	A combined method for surface selection and layer pattern optimization of a multistream plate-fin heat exchanger. Applied Energy, 2016, 165, 815-827.	10.1	26
153	Layer pattern thermal design and optimization for multistream plate-fin heat exchangersâ€”A review. Renewable and Sustainable Energy Reviews, 2016, 53, 500-514.	16.4	67
154	NUMERICAL INVESTIGATION ON CONFIGURATION IMPROVEMENT OF A PLATE-FIN HEAT EXCHANGER WITH PERFORATED WING-PANEL HEADER. Journal of Enhanced Heat Transfer, 2016, 23, 1-21.	1.1	8
155	Antifungal activity of plant extracts against Embellisia astragali, the fungal causal agent of yellow dwarf and root-rot disease of standing milkvetch. Crop and Pasture Science, 2015, 66, 735.	1.5	5
156	Performance analysis of no-vent fill process for liquid hydrogen tank in terrestrial and on-orbit environments. Cryogenics, 2015, 72, 161-171.	1.7	14
157	A simple heat transfer model for laminar film condensation of superheated vapours on a vertical plate. Canadian Journal of Chemical Engineering, 2015, 93, 2253-2260.	1.7	2
158	Annual performance evaluation and experimental study on variable speed compressors for room air conditioners. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1611-1622.	2.1	3
159	Irreversibility analysis for optimization design of plate fin heat exchangers using a multi-objective cuckoo search algorithm. Energy Conversion and Management, 2015, 101, 126-135.	9.2	67
160	Performance Evaluation of Heat Transfer Enhancement for Offset Strip Fins Used in Plate-Fin Heat Exchangers. Journal of Heat Transfer, 2015, 137, .	2.1	8
161	Simulation study on the thermal performance of vertical U-tube heat exchangers for ground source heat pump system. Applied Thermal Engineering, 2015, 79, 202-213.	6.0	78
162	Experimental investigation of distributor configuration on flow maldistribution in plate-fin heat exchangers. Applied Thermal Engineering, 2015, 85, 111-123.	6.0	38

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163	Development of thermal stratification in a rotating cryogenic liquid hydrogen tank. International Journal of Hydrogen Energy, 2015, 40, 15067-15077.	7.1	35
164	Fluid Flow Distribution and Heat Transfer in Plate-Fin Heat Exchangers. Heat Transfer Engineering, 2015, 36, 806-819.	1.9	21
165	Experimental investigation on the thermal performance of multi-stream plate-fin heat exchanger based on genetic algorithm layer pattern design. International Journal of Heat and Mass Transfer, 2015, 82, 510-520.	4.8	24
166	Experimental study on film condensation of superheated vapour on a horizontal tube. Experimental Thermal and Fluid Science, 2015, 61, 153-162.	2.7	9
167	Numerical investigation of pressurization performance in cryogenic tank of new style launch vehicle. Asia-Pacific Journal of Chemical Engineering, 2014, 9, 63-74.	1.5	9
168	Effects of different inlet vent positions on the uniformity of humidity inside a building chamber. Energy and Buildings, 2014, 76, 565-571.	6.7	10
169	Feasibility analysis and application design of a novel long-distance natural gas and electricity combined transmission system. Energy, 2014, 77, 710-719.	8.8	38
170	Theoretical and experimental study on a self-refrigerating system for LNG-fueled refrigerated vehicles. Journal of Natural Gas Science and Engineering, 2014, 20, 192-199.	4.4	14
171	General prediction of the thermal hydraulic performance for plate-fin heat exchanger with offset strip fins. International Journal of Heat and Mass Transfer, 2014, 78, 860-870.	4.8	51
172	Optimization of plate-fin heat exchangers by minimizing specific entropy generation rate. International Journal of Heat and Mass Transfer, 2014, 78, 942-946.	4.8	40
173	Analysis on performance characteristics of ejector with variable area-ratio for multi-evaporator refrigeration system based on experimental data. Applied Thermal Engineering, 2014, 68, 125-132.	6.0	45
174	Dynamic behaviors of the crankshafts in single-cylinder and twin-cylinder rotary compressors. International Journal of Refrigeration, 2014, 47, 36-45.	3.4	23
175	Flow and heat transfer characteristics of ambient air condensation on a horizontal cryogenic tube. Cryogenics, 2014, 62, 110-117.	1.7	8
176	An improved thermal contact resistance model for pressed contacts and its application analysis of bonded joints. Cryogenics, 2014, 61, 133-142.	1.7	16
177	Performance evaluation of a combined ejector-vapor compression cycle. Renewable Energy, 2013, 55, 331-337.	8.9	21
178	Numerical Prediction for Subcooled Boiling Flow of Liquid Nitrogen in a Vertical Tube with MUSIC Model. Chinese Journal of Chemical Engineering, 2013, 21, 1195-1205.	3.5	8
179	Numerical investigation of geometry parameters for pressure recovery of an adjustable ejector in multi-evaporator refrigeration system. Applied Thermal Engineering, 2013, 61, 649-656.	6.0	66
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