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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	306 citations	11 h-index	16 g-index
42 ext. papers	437 ext. citations	4.2 avg, IF	3.69 L-index

#	Paper	IF	Citations
40	Thermodynamic analysis and comparison of four insulation schemes for liquid hydrogen storage tank. *Energy Conversion and Management*, **2019**, 186, 526-534	10.6	30
39	Thermodynamic modelling and optimization of self-evaporation vapor cooled shield for liquid hydrogen storage tank. *Energy Conversion and Management*, **2019**, 184, 74-82	10.6	26
38	Study on a high frequency pulse tube cryocooler capable of achieving temperatures below 4 K by helium-4. *Cryogenics*, **2018**, 94, 103-109	1.8	23
37	386 mW/20 K single-stage Stirling-type pulse tube cryocooler. *Cryogenics*, **2013**, 57, 195-199	1.8	21
36	Experimental study on composite insulation system of spray on foam insulation and variable density multilayer insulation. *Applied Thermal Engineering*, **2018**, 130, 161-168	5.8	20
35	Numerical and experimental study on the characteristics of 4K gas-coupled Stirling-type pulse tube cryocooler. *International Journal of Refrigeration*, **2018**, 88, 204-210	3.8	19
34	Development of a high-frequency coaxial multi-bypass pulse tube refrigerator below 14 K. *Cryogenics*, **2015**, 67, 28-30	1.8	17
33	Micro-plastic deformation behavior of Al-Zn-Mg-Cu alloy subjected to cryo-cycling treatment. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2019**, 742, 672-679	5.3	16
32	A novel insulation system based on active cooling without power input for liquid hydrogen storage. *Energy*, **2019**, 182, 1-10	7.9	14
31	A high-efficiency liquid hydrogen storage system cooled by a fuel-cell-driven refrigerator for hydrogen combustion heat recovery. *Energy Conversion and Management*, **2020**, 226, 113496	10.6	13
30	Numerical and experimental study of VM type pulse tube cryocooler with multi-bypass operating below 4 K. *Cryogenics*, **2019**, 98, 71-79	1.8	12
29	An 80 mW/8 K high-frequency pulse tube refrigerator driven by only one linear compressor. *Cryogenics*, **2019**, 101, 7-11	1.8	10
28	First stirling-type cryocooler reaching lambda point of 4He (2.17 K) and its prospect in Chinese HUBS satellite project. *Science Bulletin*, **2019**, 64, 219-221	10.6	10
27	Thermodynamic optimization of composite insulation system with cold shield for liquid hydrogen zero-boil-off storage. *Renewable Energy*, **2020**, 147, 824-832	8.1	10
26	Coupling study of a novel thermocompressor driven pulse tube refrigerator. *Applied Thermal Engineering*, **2013**, 51, 630-634	5.8	9
25	10K high frequency pulse tube cryocooler with precooling. *Cryogenics*, **2016**, 77, 15-19	1.8	9
24	Thermodynamics and Economics of Different Asymmetric Cold Energy Transfer in a Liquid Air Energy Storage System. *Energy Technology*, **2020**, 8, 1901487	3.5	6

23	Phase change interface stability during isochoric solidification of an aqueous solution. *Applied Physics Letters*, **2020**, 117, 133701	3.4	5
22	Thermal Conductivity of Open Cell Aluminum Foam and Its Application as Advanced Thermal Storage Unit at Low Temperature. *Rare Metal Materials and Engineering*, **2018**, 47, 1049-1053		5
21	Thermal analysis of Stirling thermocompressor and its prospect to drive refrigerator by using natural working fluid. *Energy Conversion and Management*, **2018**, 177, 280-291	10.6	5
20	Energy and exergy equilibrium analysis of Stirling-type thermal compressor (STC)—the core part in thermal-driven Vuilleumier machines. *Energy Conversion and Management*, **2019**, 199, 111961	10.6	3
19	Progress and Challenges of Sub-Kelvin Sorption Cooler and Its Prospects for Space Application. *Journal of Low Temperature Physics*, **2020**, 199, 1363-1381	1.3	3
18	An Optical Cryostat for Use in Microscopy Cooled by Stirling-Type Pulse Tube Cryocooler. *Physics Procedia*, **2015**, 67, 354-359		3
17	Effect of cryogenic freezing combined with precooling on freezing rates and the quality of golden pomfret (Trachinotus ovatus). *Journal of Food Process Engineering*, **2019**, 42, e13296	2.4	2
16	Attaining the liquid helium temperature with a compact pulse tube cryocooler for space applications. *Science China Technological Sciences*, **2020**, 63, 434-439	3.5	2
15	A Novel Composite Insulation System of Hollow Glass Microspheres and Multilayer Insulation with Self-Evaporating Vapor Cooled Shield for Liquid Hydrogen Storage. *Energy Technology*, **2020**, 8, 2000591	3.5	2
14	Effects of Isochoric Freezing Conditions on Cut Potato Quality. *Foods*, **2021**, 10,	4.9	2
13	A novel cryogenic condensation system based on heat-driven refrigerator without power input for volatile organic compounds recovery. *Energy Conversion and Management*, **2021**, 238, 114157	10.6	2
12	The State of the Art: Lightweight Cryocoolers Working in the Liquid-Helium Temperature Range. *Journal of Low Temperature Physics*, **2022**, 206, 321	1.3	1
11	Study on the use of porous materials with adsorbed helium as the regenerator of cryocooler at temperatures below 10 K. *Applied Physics Letters*, **2021**, 118, 143902	3.4	1
10	Cryogenic thermal conductivity of 7050 aluminum alloy subjected to different heat treatments. *Cryogenics*, **2021**, 116, 103305	1.8	1
9	Measurement of apparent thermal conductivity of regenerator materials in 4–20 K temperature range. *Cryogenics*, **2021**, 116, 103300	1.8	1
8	A study of mK cooling system for space application. *IOP Conference Series: Materials Science and Engineering*, **2019**, 502, 012063	0.4	1
7	A novel cryogenic insulation system of hollow glass microspheres and self-evaporation vapor-cooled shield for liquid hydrogen storage. *Frontiers in Energy*, **2020**, 14, 570-577	2.6	1
6	Study on a novel energy-saving cryogenic pre-treatment equipment for walnut kernel peeling. *Food Control*, **2021**, 121, 107650	6.2	1

5	Development of an in-situ analysis instrument for microstructure of materials with low temperature. *IOP Conference Series: Materials Science and Engineering*, **2020**, 756, 012021	0.4	0
4	Performance improvement of a pulse tube cryocooler with a single compressor through cascade utilization of cold energy. *Frontiers in Energy*, **2021**, 15, 345-357	2.6	0
3	Thermal physical properties of the golden pomfret at low temperatures. *International Journal of Food Engineering*, **2021**, 17, 309-317	1.9	
2	Experimental study on a 20W/80K high frequency pulse tube cryocooler. *IOP Conference Series: Materials Science and Engineering*, **2020**, 755, 012038	0.4	
1	Comparative study on thermodynamic characteristics of composite thermal insulation systems with liquid methane, oxygen, and hydrogen. *Journal of Thermal Science and Engineering Applications*,1-18	1.9	