

Changzhao Pan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Direct comparison of ITS-90 and PLTS-2000 from 0.65 K to 1 K at LNE-CNAM. <i>Metrologia</i> , 2021, 58, 025005.	0.6	4
2	Acoustic measurement of the triple point of neon T_{Ne} and thermodynamic calibration of a transfer standard for accurate cryogenic thermometry. <i>Metrologia</i> , 2021, 58, 045006.	0.6	6
3	Helmholtz Free Energy Equation of State for ^3He - ^4He Mixtures at Temperatures Above 2.17 K. <i>Journal of Physical and Chemical Reference Data</i> , 2021, 50, 043102.	1.9	0
4	Measurement of thermodynamic temperature between 5 K and 24.5 K with single-pressure refractive-index gas thermometry. <i>Metrologia</i> , 2020, 57, 065006.	0.6	18
5	Realization of ppm level pressure stability for primary thermometry using a primary piston gauge. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 160, 107807.	2.5	2
6	Active suppression of temperature oscillation from a pulse-tube cryocooler in a cryogen-free cryostat: Part 2. Experimental realization. <i>Cryogenics</i> , 2020, 109, 103096.	0.9	2
7	Active suppression of temperature oscillation from a pulse-tube cryocooler in a cryogen-free cryostat: Part 1. Simulation modeling from thermal response characteristics. <i>Cryogenics</i> , 2020, 109, 103097.	0.9	4
8	Numerical and Experimental Study of the Hydrostatic Pressure Correction in Gas Thermometry: A Case in the SPRIGT. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	1.0	4
9	Resonance frequency measurement with accuracy and stability at the 10^{-12} level in a copper microwave cavity below 26 K by experimental optimization. <i>Measurement Science and Technology</i> , 2020, 31, 075011.	1.4	1
10	First stirling-type cryocooler reaching lambda point of ^4He (2.17 K) and its prospect in Chinese HUBS satellite project. <i>Science Bulletin</i> , 2019, 64, 219-221.	4.3	14
11	Numerical and experimental study of VM type pulse tube cryocooler with multi-bypass operating below 4 K. <i>Cryogenics</i> , 2019, 98, 71-79.	0.9	13
12	A high-stability quasi-spherical resonator in SPRIGT for microwave frequency measurements at low temperatures. <i>Science Bulletin</i> , 2019, 64, 286-288.	4.3	5
13	Numerical study of a novel single-stage Vuilleumier type pulse tube cryocooler. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 502, 012042.	0.3	0
14	A novel method to hit the limit temperature of Stirling-type cryocooler. <i>Journal of Applied Physics</i> , 2018, 123, 063901.	1.1	6
15	Numerical and experimental study on the characteristics of 4 K gas-coupled Stirling-type pulse tube cryocooler. <i>International Journal of Refrigeration</i> , 2018, 88, 204-210.	1.8	28
16	CFD study of heat transfer and pressure drop for oscillating flow in helical rectangular channel heat exchanger. <i>International Journal of Thermal Sciences</i> , 2018, 129, 106-114.	2.6	20
17	Ultra-stable pressure is realized for Chinese single pressure refractive index gas thermometry in the range 30-90 kPa. <i>Science Bulletin</i> , 2018, 63, 1601-1603.	4.3	5
18	Realization of an ultra-high precision temperature control in a cryogen-free cryostat. <i>Review of Scientific Instruments</i> , 2018, 89, 104901.	0.6	22

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19	Thermal analysis of Stirling thermocompressor and its prospect to drive refrigerator by using natural working fluid. <i>Energy Conversion and Management</i> , 2018, 177, 280-291.	4.4	12
20	Chinese SPRIGT realizes high temperature stability in the range of 5â€“25â€“K. <i>Science Bulletin</i> , 2018, 63, 733-734.	4.3	12
21	Study on a high frequency pulse tube cryocooler capable of achieving temperatures below 4â€“K by helium-4. <i>Cryogenics</i> , 2018, 94, 103-109.	0.9	36
22	Numerical investigation on the thermoacoustics characteristics of thermal compressor for the pulse tube cryocooler. <i>Applied Thermal Engineering</i> , 2017, 123, 234-242.	3.0	9
23	Progress on a novel VM-type pulse tube cryocooler for 4â€“K. <i>Cryogenics</i> , 2017, 88, 66-69.	0.9	11
24	Numerical study of a VM type multi-bypass pulse tube cryocooler operating at 4K. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 278, 012048.	0.3	0
25	Two-stage high frequency pulse tube refrigerator with base temperature below 10 K. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 278, 012147.	0.3	1
26	Experimental progress of a 4K VM/PT hybrid cryocooler for pre-cooling 1K sorption cooler. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 278, 012044.	0.3	0
27	A novel coupled VM-PT cryocooler operating at liquid helium temperature. <i>Cryogenics</i> , 2016, 77, 20-24.	0.9	20
28	Numerical investigation and experimental development on VM-PT cryocooler operating below 4 K. <i>Cryogenics</i> , 2016, 80, 138-146.	0.9	15
29	Numerical study of a one-stage VM cryocooler operating below 10K. <i>Applied Thermal Engineering</i> , 2016, 101, 422-431.	3.0	7
30	CFD Simulation and Optimize of a 10K VM Refrigerator. <i>Physics Procedia</i> , 2015, 67, 479-484.	1.2	2
31	Experimental Investigation on Regenerator Materials of Stirling-type Pulse-tube Refrigerator Working at 20K. <i>Physics Procedia</i> , 2015, 67, 530-535.	1.2	8
32	Experimental study of one-stage VM cryocooler operating below 8K. <i>Cryogenics</i> , 2015, 72, 122-126.	0.9	17
33	CFD study of heat transfer for oscillating flow in helically coiled tube heat-exchanger. <i>Computers and Chemical Engineering</i> , 2014, 69, 59-65.	2.0	30
34	A new method to calculate the pressure drop loss of the regenerator in VM refrigerator. <i>Cryogenics</i> , 2014, 61, 107-110.	0.9	7
35	Investigation of High-Stability Temperature Control in Primary Gas Thermometry. <i>Journal of Thermal Science</i> , 0, , 1.	0.9	0