

# Yonglin Ju

## List of Publications by Citations

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121  
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3,677  
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#	Paper	IF	Citations
121	Dark Matter Results from 54-Ton-Day Exposure of PandaX-II Experiment. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181302	7.4	482
120	Dark Matter Results from First 98.7 Days of Data from the PandaX-II Experiment. <i>Physical Review Letters</i> , <b>2016</b> , 117, 121303	7.4	368
119	LNG cold energy utilization: Prospects and challenges. <i>Energy</i> , <b>2019</b> , 170, 557-568	7.9	127
118	Spin-Dependent Weakly-Interacting-Massive-Particle-Nucleon Cross Section Limits from First Data of PandaX-II Experiment. <i>Physical Review Letters</i> , <b>2017</b> , 118, 071301	7.4	91
117	Review on the design and optimization of natural gas liquefaction processes for onshore and offshore applications. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 132, 89-114	5.5	80
116	PandaX: a liquid xenon dark matter experiment at CJPL. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2014</b> , 57, 1476-1494	3.6	80
115	First dark matter search results from the PandaX-I experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2014</b> , 57, 2024-2030	3.6	64
114	Dark matter direct search sensitivity of the PandaX-4T experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2019</b> , 62, 1	3.6	61
113	A pulse tube refrigerator below 2 K. <i>Cryogenics</i> , <b>1999</b> , 39, 865-869	1.8	61
112	A novel conceptual design of parallel nitrogen expansion liquefaction process for small-scale LNG (liquefied natural gas) plant in skid-mount packages. <i>Energy</i> , <b>2014</b> , 75, 349-359	7.9	57
111	Design and Optimization of a Novel Mixed Refrigerant Cycle Integrated with NGL Recovery Process for Small-Scale LNG Plant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 5545-5553	3.9	56
110	Design and analysis of liquefaction process for offshore associated gas resources. <i>Applied Thermal Engineering</i> , <b>2010</b> , 30, 2518-2525	5.8	55
109	Limits on Axion Couplings from the First 80 Days of Data of the PandaX-II Experiment. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181806	7.4	53
108	A comprehensive optimization and comparison of modified single mixed refrigerant and parallel nitrogen expansion liquefaction process for small-scale mobile LNG plant. <i>Energy</i> , <b>2019</b> , 167, 1-12	7.9	51
107	Dark matter search results from the commissioning run of PandaX-II. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	49
106	Performance improvement of nitrogen expansion liquefaction process for small-scale LNG plant. <i>Cryogenics</i> , <b>2014</b> , 61, 111-119	1.8	44
105	Experimental study of the oscillating flow characteristics for a regenerator in a pulse tube cryocooler. <i>Cryogenics</i> , <b>1998</b> , 38, 649-656	1.8	42

104	Optimal synthesis of expansion liquefaction cycle for distributed-scale LNG (liquefied natural gas) plant. <i>Energy</i> , <b>2015</b> , 88, 268-280	7.9	41
103	Constraining Dark Matter Models with a Light Mediator at the PandaX-II Experiment. <i>Physical Review Letters</i> , <b>2018</b> , 121, 021304	7.4	41
102	LNG-FPSO: Offshore LNG solution. <i>Frontiers of Energy and Power Engineering in China</i> , <b>2008</b> , 2, 249-255		41
101	Low-mass dark matter search results from full exposure of the PandaX-I experiment. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	40
100	Experimental investigation on the convective heat transfer of Fe <sub>3</sub> O <sub>4</sub> /water nanofluids under constant magnetic field. <i>Applied Thermal Engineering</i> , <b>2017</b> , 113, 566-574	5.8	37
99	Design and optimization of natural gas liquefaction process by utilizing gas pipeline pressure energy. <i>Applied Thermal Engineering</i> , <b>2013</b> , 57, 1-6	5.8	33
98	Numerical simulation and experimental verification of the oscillating flow in pulse tube refrigerator. <i>Cryogenics</i> , <b>1998</b> , 38, 169-176	1.8	33
97	A novel process for small-scale pipeline natural gas liquefaction. <i>Applied Energy</i> , <b>2014</b> , 115, 17-24	10.7	32
96	Dynamic simulation of mixed refrigerant process for small-scale LNG plant in skid mount packages. <i>Energy</i> , <b>2016</b> , 97, 350-358	7.9	28
95	Results of dark matter search using the full PandaX-II exposure. <i>Chinese Physics C</i> , <b>2020</b> , 44, 125001	2.2	28
94	Separation of isotope <sup>13</sup> C using high-performance structured packing. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2010</b> , 49, 255-261	3.7	27
93	PandaX-II constraints on spin-dependent WIMP-nucleon effective interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 193-198	4.2	26
92	The influence of the magnetic field on the convective heat transfer characteristics of Fe <sub>3</sub> O <sub>4</sub> /water nanofluids. <i>Applied Thermal Engineering</i> , <b>2017</b> , 126, 108-116	5.8	26
91	Dynamic experimental investigation of a multi-bypass pulse tube refrigerator. <i>Cryogenics</i> , <b>1997</b> , 37, 357-361	3.6	26
90	Process optimization and analysis of a novel hydrogen liquefaction cycle. <i>International Journal of Refrigeration</i> , <b>2020</b> , 110, 219-230	3.8	26
89	The analysis of the operating performance of a chiller system based on hierarchal cluster method. <i>Energy and Buildings</i> , <b>2017</b> , 138, 695-703	7	25
88	Comparison and analysis of two nitrogen expansion cycles for BOG Re-liquefaction systems for small LNG ships. <i>Energy</i> , <b>2019</b> , 172, 769-776	7.9	25
87	A review of cryogenic power generation cycles with liquefied natural gas cold energy utilization. <i>Frontiers in Energy</i> , <b>2016</b> , 10, 363-374	2.6	25

86	Dark Matter Search Results from the PandaX-4T Commissioning Run.. <i>Physical Review Letters</i> , <b>2021</b> , 127, 261802	7.4	22
85	NUMERICAL SIMULATION OF NATURAL CONVECTION IN AN ENCLOSURE WITH DISCRETE PROTRUDING HEATERS. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>1996</b> , 30, 207-218	2.3	21
84	A review of recent experimental investigations and theoretical analyses for pulsating heat pipes. <i>Frontiers in Energy</i> , <b>2013</b> , 7, 161-173	2.6	20
83	Design and optimization of a novel cryogenic Rankine power generation system employing binary and ternary mixtures as working fluids based on the cold exergy utilization of liquefied natural gas (LNG). <i>Energy</i> , <b>2017</b> , 138, 706-720	7.9	18
82	Influence of working fluid on the performance of a standing-wave thermoacoustic prime mover. <i>Cryogenics</i> , <b>2011</b> , 51, 559-561	1.8	17
81	Nonideal-gas effect in regenerators. <i>Cryogenics</i> , <b>1999</b> , 39, 847-851	1.8	17
80	Design and optimization of natural gas liquefaction process using brazed plate heat exchangers based on the modified single mixed refrigerant process. <i>Energy</i> , <b>2019</b> , 186, 115819	7.9	14
79	Design and construction of a cryogenic distillation device for removal of krypton for liquid xenon dark matter detectors. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 015116	1.7	14
78	Review on the design and optimization of hydrogen liquefaction processes. <i>Frontiers in Energy</i> , <b>2020</b> , 14, 530-544	2.6	14
77	Thermal performance calculation with heat transfer correlations and numerical simulation analysis for typical LNG open rack vaporizer. <i>Applied Thermal Engineering</i> , <b>2019</b> , 149, 1069-1079	5.8	14
76	Effect of different working gases on the performance of a small thermoacoustic Stirling engine. <i>International Journal of Refrigeration</i> , <b>2015</b> , 51, 41-51	3.8	13
75	Design and analysis of the thermal insulation system for a new independent type B LNG carrier. <i>Ocean Engineering</i> , <b>2017</b> , 142, 51-61	3.9	13
74	Cryogenic design and operation of liquid helium in an electron bubble chamber towards low energy solar neutrino detectors. <i>Cryogenics</i> , <b>2007</b> , 47, 81-88	1.8	13
73	Experimental Determination of CO <sub>2</sub> Solubility in Liquid CH <sub>4</sub> /N <sub>2</sub> Mixtures at Cryogenic Temperatures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 9403-9408	3.9	12
72	Analysis of flammability limits for the liquefaction process of oxygen-bearing coal-bed methane. <i>Applied Energy</i> , <b>2011</b> , 88, 2934-2939	10.7	12
71	Design and experimental investigations on a small scale traveling wave thermoacoustic engine. <i>Cryogenics</i> , <b>2013</b> , 54, 10-15	1.8	11
70	The experimental investigation of a two-stage pulse tube refrigerator. <i>Cryogenics</i> , <b>1996</b> , 36, 605-609	1.8	11
69	Conceptual design and analysis of a novel process for BOG re-liquefaction combined with absorption refrigeration cycle. <i>Energy</i> , <b>2020</b> , 205, 118008	7.9	10

68	Design and construction of a guarded hot plate apparatus operating down to liquid nitrogen temperature. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 075106	1.7	10
67	. <i>IEEE Transactions on Nuclear Science</i> , <b>2006</b> , 53, 2260-2263	1.7	10
66	Computational study of a 4 K two-stage pulse tube cooler with mixed Eulerian-Lagrangian method. <i>Cryogenics</i> , <b>2001</b> , 41, 49-57	1.8	10
65	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
64	Searching for neutrino-less double beta decay of $^{136}\text{Xe}$ with PandaX-II liquid xenon detector. <i>Chinese Physics C</i> , <b>2019</b> , 43, 113001	2.2	10
63	Experimental study on CO <sub>2</sub> frosting and clogging in a brazed plate heat exchanger for natural gas liquefaction process. <i>Cryogenics</i> , <b>2018</b> , 91, 128-135	1.8	9
62	Exploring the dark matter inelastic frontier with 79.6 days of PandaX-II data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	9
61	An improved evaluation of the neutron background in the PandaX-II experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	9
60	Numerical simulation and experiment verification of the static boil-off rate and temperature field for a new independent type B liquefied natural gas ship mock up tank. <i>Applied Thermal Engineering</i> , <b>2020</b> , 173, 115265	5.8	8
59	Computational Fluid Dynamics Simulation of $^{13}\text{CO}$ Distillation in Structured Packing. <i>Chemical Engineering and Technology</i> , <b>2012</b> , 35, 334-340	2	8
58	On the performance of copper foaming metal in the heat exchangers of pulse tube refrigerator. <i>Cryogenics</i> , <b>2007</b> , 47, 19-24	1.8	8
57	Experimental and simulation investigation on heat transfer characteristics of supercritical nitrogen in a new rib tube of open rack vaporizer. <i>International Journal of Refrigeration</i> , <b>2020</b> , 111, 103-112	3.8	8
56	Multistage pulse tubes. <i>Cryogenics</i> , <b>2000</b> , 40, 459-464	1.8	7
55	Search for Light Dark Matter-Electron Scattering in the PandaX-II Experiment. <i>Physical Review Letters</i> , <b>2021</b> , 126, 211803	7.4	7
54	Comparison and analysis of two processes for BOG re-liquefaction in LNG carrier with normal-temperature compressor. <i>International Journal of Refrigeration</i> , <b>2020</b> , 115, 9-17	3.8	7
53	Comparative life cycle cost analysis of low pressure fuel gas supply systems for LNG fueled ships. <i>Energy</i> , <b>2021</b> , 218, 119541	7.9	7
52	A Search for Solar Axions and Anomalous Neutrino Magnetic Moment with the Complete PandaX-II Data*. <i>Chinese Physics Letters</i> , <b>2021</b> , 38, 011301	1.8	7
51	Experimental study of quasi-periodic on-off phenomena in a small-scale traveling wave thermoacoustic heat engine. <i>Cryogenics</i> , <b>2017</b> , 85, 23-29	1.8	6

50	Adsorption and Desorption Experimental Study of Carbon Dioxide/Methane Mixture Gas on 13X-Type Molecular Sieves. <i>Journal of Chemical Engineering of Japan</i> , <b>2013</b> , 46, 811-820	0.8	6
49	Thermodynamic analysis of GM-type pulse tube coolers. <i>Cryogenics</i> , <b>2001</b> , 41, 513-520	1.8	6
48	Internal calibration of the PandaX-II detector with radon gaseous sources. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P12038-P12038	1	6
47	Determination of responses of liquid xenon to low energy electron and nuclear recoils using a PandaX-II detector *. <i>Chinese Physics C</i> , <b>2021</b> , 45, 075001	2.2	6
46	Design and analysis of a process for directly Re-liquefying BOG using subcooled LNG for LNG carrier. <i>Energy</i> , <b>2020</b> , 199, 117445	7.9	5
45	Experimental study on heat transfer characteristics of cooling falling film outside a vertical tube in open rack vaporizer. <i>Applied Thermal Engineering</i> , <b>2020</b> , 172, 115187	5.8	5
44	Investigation on the periodically oscillating pressure characteristics of the flow in the rolling pipe. <i>Ocean Engineering</i> , <b>2012</b> , 55, 1-9	3.9	5
43	Experimental investigation on pressure fluctuation of cryogenic liquid transport in pitching motion. <i>Cryogenics</i> , <b>2012</b> , 52, 530-537	1.8	5
42	Experimental study on the low temperature regenerator packed with rectification meshes. <i>Cryogenics</i> , <b>2010</b> , 50, 390-396	1.8	5
41	A computational model for two-stage 4K-pulse tube cooler: Part II. Predicted results. <i>Journal of Thermal Science</i> , <b>2002</b> , 11, 74-79	1.9	5
40	Experimental investigation on heat transfer characteristics of supercritical nitrogen in a heated vertical tube. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 152, 106327	4.1	4
39	Large scale xenon purification using cryogenic distillation for dark matter detectors. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P11024-P11024	1	4
38	Simulation and analysis on the flow field of the low temperature mini-type cold store. <i>Heat and Mass Transfer</i> , <b>2011</b> , 47, 771-775	2.2	4
37	Experimental study on the sealing clearance between the labyrinth sealing displacer and cylinder in the 10K G-M refrigerator. <i>Cryogenics</i> , <b>2011</b> , 51, 203-208	1.8	4
36	On the numerical design of a new type of 4 K GM/PT hybrid refrigerators. <i>Cryogenics</i> , <b>2002</b> , 42, 533-542	1.8	4
35	The daily evaporation rate test and conversion method for a new independent type B LNG mock-up tank. <i>Cryogenics</i> , <b>2020</b> , 111, 103168	1.8	4
34	Constraining self-interacting dark matter with the full dataset of PandaX-II. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	4
33	Comparative study of oscillating flow characteristics of cryocooler regenerator at low temperatures. <i>Frontiers of Energy and Power Engineering in China</i> , <b>2009</b> , 3, 80-84		3

32	Experimental study of melting heat transfer in an enclosure with three discrete protruding heat sources. <i>Journal of Thermal Science</i> , <b>1998</b> , 7, 111-118	1.9	3
31	Detection of low energy solar neutrinos by a two-phase cryogenic e-bubble detector. <i>Science Bulletin</i> , <b>2007</b> , 52, 3011-3015		3
30	Performance of Stirling-type non-magnetic and non-metallic co-axial pulse tube cryocoolers for high-Tc SQUIDs operation. <i>Cryogenics</i> , <b>2005</b> , 45, 213-223	1.8	3
29	Experimental measurements of the flow resistance and inductance of inertance tubes at high acoustic amplitudes. <i>Cryogenics</i> , <b>2003</b> , 43, 1-7	1.8	3
28	Design and commissioning of the PandaX-4T cryogenic distillation system for krypton and radon removal. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P07046	1	3
27	Dynamic modeling and analysis of LNG fuel tank pressurization under marine conditions. <i>Energy</i> , <b>2021</b> , 232, 121029	7.9	3
26	Design and analysis of CO <sub>2</sub> cryogenic separation process for the new LNG purification cold box. <i>International Journal of Refrigeration</i> , <b>2021</b> , 130, 67-75	3.8	3
25	Advanced design and analysis of BOG treatment process in LNG fueled ship combined with cold energy utilization from LNG gasification. <i>International Journal of Refrigeration</i> , <b>2022</b> , 135, 231-242	3.8	3
24	Simulation and experimental improvement on a small-scale Stirling thermo-acoustic engine. <i>Frontiers in Energy</i> , <b>2016</b> , 10, 37-45	2.6	2
23	A simplified model of direct-contact heat transfer in desalination system utilizing LNG cold energy. <i>Frontiers in Energy</i> , <b>2012</b> , 6, 122-128	2.6	2
22	Dynamic experimental study of a multi-bypass pulse tube refrigerator with two-bypass tubes. <i>Journal of Thermal Science</i> , <b>1998</b> , 7, 61-66	1.9	2
21	Optimization and analysis of a novel hydrogen liquefaction process for circulating hydrogen refrigeration. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 47, 348-348	6.7	2
20	Modeling, simulation and analysis of tank thermodynamic behaviors during no-vent LNG bunkering operations. <i>Cryogenics</i> , <b>2021</b> , 120, 103373	1.8	2
19	Comprehensive comparison of small-scale natural gas liquefaction processes using brazed plate heat exchangers. <i>Frontiers in Energy</i> , <b>2020</b> , 14, 683-698	2.6	1
18	EXPERIMENTAL INVESTIGATION OF THE THERMAL PERFORMANCE OF WRAPAROUND LOOP HEAT PIPE HEAT EXCHANGER FOR HEAT RECOVERY IN AIR HANDLING UNITS. <i>Heat Transfer Research</i> , <b>2017</b> , 48, 1313-1326	3.9	1
17	Numerical simulation and analysis of periodically oscillating pressure characteristics of inviscid flow in a rolling pipe. <i>Frontiers in Energy</i> , <b>2012</b> , 6, 21-28	2.6	1
16	Experimental study on the performance of the labyrinth sealing displacer for 10K G-M refrigerator. <i>Cryogenics</i> , <b>2011</b> , 51, 187-191	1.8	1
15	Liquefaction and impurity separation of oxygen-bearing coal-bed methane. <i>Frontiers of Energy and Power Engineering in China</i> , <b>2010</b> , 4, 319-325		1

14	System design of 60 K Stirling-type coaxial pulse tube coolers for HTS RF filters. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 386, 540-543	1.3	1
13	Horizontal position reconstruction in PandaX-II. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P11040	1	1
12	System design and experimental verification of an internal insulation panel system for large-scale cryogenic wind tunnel. <i>Cryogenics</i> , <b>2021</b> , 115, 103279	1.8	1
11	Review of the LNG intermediate fluid vaporizer and its heat transfer characteristics. <i>Frontiers in Energy</i> ,1	2.6	1
10	Design and analysis of an efficient hydrogen liquefaction process based on helium reverse Brayton cycle integrating with steam methane reforming and liquefied natural gas cold energy utilization. <i>Energy</i> , <b>2022</b> , 124047	7.9	1
9	Analysis of solidification in the presence of high rayleigh number convection in an enclosure. <i>Journal of Thermal Science</i> , <b>1994</b> , 3, 173-176	1.9	0
8	Numerical study on the condensation characteristics of various refrigerants outside a horizontal plain tube at low temperatures. <i>International Journal of Thermal Sciences</i> , <b>2022</b> , 176, 107508	4.1	0
7	Review on the design and optimization of BOG re-liquefaction process in LNG ship. <i>Energy</i> , <b>2022</b> , 244, 123065	7.9	0
6	Review on cryogenic technologies for CO2 removal from natural gas. <i>Frontiers in Energy</i> ,1	2.6	0
5	PandaX-4T cryogenic distillation system for removing krypton from xenon.. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 123303	1.7	0
4	Search for Cosmic-Ray Boosted Sub-GeV Dark Matter at the PandaX-II Experiment.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 171801	7.4	0
3	Experimental measurements and evaluation of the expanded water repellent perlite used for the cargo containment system of LNG carrier. <i>Cryogenics</i> , <b>2017</b> , 87, 49-57	1.8	
2	Light yield and field dependence measurement in PandaX-II dual-phase xenon detector. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, P01008	1	
1	Performance of cryogenic demountable indium seal at high pressures. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 093905	1.7	