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List of Publications by Year
in descending order

46	869	471509 17	501196 28
papers	citations	h-index	g-index

47	47	47	314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical and experimental investigations on a regenerative static thermomagnetic generator for low-grade thermal energy recovery. Applied Energy, 2022, 311, 118585.	10.1	7
2	A novel thermoacoustically-driven liquid metal magnetohydrodynamic generator for future space power applications. Energy Conversion and Management, 2022, 258, 115503.	9.2	16
3	A heat-driven combined cooling and heating system based on thermoacoustic technology. Applied Physics Letters, 2022, 120, .	3.3	14
4	Multi-method modeling to predict the onset conditions and resonance of the piezo coupled thermoacoustic engine. Journal of the Acoustical Society of America, 2022, 151, 4180-4195.	1.1	4
5	Study on a novel looped heat-driven thermoacoustic refrigerator with direct-coupling configuration for room temperature cooling. International Journal of Refrigeration, 2021, 123, 180-188.	3.4	16
6	Thermoacoustically driven liquid-metal-based triboelectric nanogenerator: A thermal power generator without solid moving parts. Applied Physics Letters, 2021, 118, .	3.3	11
7	Thermoenhanced osmotic power generator via lithium bromide and asymmetric sulfonated poly(ether) Tj ETQq1 1 0.784314 rgBT /Ov	7.9	16
8	Traveling-wave thermoacoustic refrigerator for room temperature application. International Journal of Refrigeration, 2020, 120, 90-96.	3.4	16
9	Acoustic characteristics of bi-directional turbines for thermoacoustic generators. Frontiers in Energy, 2020, , 1.	2.3	2
10	A combined cooling and power cogeneration system by coupling duplex free-piston stirling cycles and a linear alternator. International Journal of Refrigeration, 2020, 118, 146-149.	3.4	18
11	Study on a heat-driven thermoacoustic refrigerator for low-grade heat recovery. Applied Energy, 2020, 271, 115167.	10.1	51
12	A cascade-looped thermoacoustic driven cryocooler with different-diameter resonance tubes. Part â…¡: Experimental study and comparison. Energy, 2020, 207, 118232.	8.8	24
13	A novel looped low-temperature heat-driven thermoacoustic refrigerator operating in room temperature range. Energy Procedia, 2019, 158, 1653-1659.	1.8	8
14	A free-piston Stirling generator integrated with a parabolic trough collector for thermal-to-electric conversion of solar energy. Applied Energy, 2019, 242, 1248-1258.	10.1	39
15	Theoretical investigation on the optimal PU phase relationships of regenerative cooling systems with highest efficiency. Cryogenics, 2019, 98, 5-11.	1.7	14
16	A looped heat-driven thermoacoustic refrigeration system with direct-coupling configuration for room temperature cooling. Science Bulletin, 2019, 64, 8-10.	9.0	26
17	Realization of an ultra-high precision temperature control in a cryogen-free cryostat. Review of Scientific Instruments, 2018, 89, 104901.	1.3	22
18	Chinese SPRIGT realizes high temperature stability in the range of 5â€“25â€¯K. Science Bulletin, 2018, 63, 733-734.	9.0	12

#	Article	IF	Citations
19	Development of a 5 kW traveling-wave thermoacoustic electric generator. Applied Energy, 2017, 185, 1355-1361.	10.1	94
20	Thermoacoustically driven triboelectric nanogenerator: Combining thermoacoustics and nanoscience. Applied Physics Letters, 2017, 111, .	3.3	11
21	Numerical Investigation on a Looped Thermoacoustically-Driven Cryocooler for Natural Gas Liquefaction. Energy Procedia, 2017, 105, 1725-1729.	1.8	3
22	A Novel Multi-stage Looped Thermoacoustic Heat Engine Using Assembly of Elastic Membrane and a Solid Mass. Energy Procedia, 2017, 105, 2028-2032.	1.8	2
23	Influence of the Water-Cooled Heat Exchanger on the Performance of a Pulse Tube Refrigerator. Applied Sciences (Switzerland), 2017, 7, 229.	2.5	4
24	An efficient looped multiple-stage thermoacoustically-driven cryocooler for liquefaction and recondensation of natural gas. Energy, 2016, 101, 427-433.	8.8	31
25	A looped three-stage cascade traveling-wave thermoacoustically-driven cryocooler. Energy, 2016, 112, 804-809.	8.8	26
26	The Thermodynamic Performance of a Double-Acting Traveling-Wave Thermoacoustic Engine with Liquid-Water Piston. International Journal of Green Energy, 2015, 12, 198-206.	3.8	6
27	Performance of a 260 Hz pulse tube cooler with metal fiber as the regenerator material. , 2014, , .		0
28	A Novel Thermoacoustic System for Natural Gas Liquefaction. Energy Procedia, 2014, 61, 1042-1046.	1.8	5
29	Study on energy conversion characteristics of a high frequency standing-wave thermoacoustic heat engine. Applied Energy, 2013, 111, 1147-1151.	10.1	35
30	A solar-powered traveling-wave thermoacoustic electricity generator. Solar Energy, 2012, 86, 2376-2382.	6.1	63
31	Thermoacoustic model of a modified free piston Stirling engine with a thermal buffer tube. Applied Energy, 2012, 90, 266-270.	10.1	26
32	Experimental investigation of a 500 W traveling-wave thermoacoustic electricity generator. Science Bulletin, 2011, 56, 1975-1977.	1.7	39
33	Influence of acoustic pressure amplifier tube on a 300 Hz thermoacoustically driven pulse tube cooler. Journal of Applied Physics, 2010, 108, 074905.	2.5	5
34	High efficiency linear compressor driven pulse tube cryocooler operating in liquid nitrogen temperature. Science Bulletin, 2009, 54, 4428-4431.	9.0	1
35	Heat transfer characteristics of oscillating flow regenerators in cryogenic temperature range below 20K. Cryogenics, 2009, 49, 313-319.	1.7	9
36	A 300 Hz high frequency thermoacoustically driven pulse tube cooler. Science Bulletin, 2008, 53, 1270-1271.	9.0	4

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37	A 100 W-class traveling-wave thermoacoustic electricity generator. Science Bulletin, 2008, 53, 1453-1456.	9.0	16
38	300Hz thermoacoustically driven pulse tube cooler for temperature below 100K. Applied Physics Letters, 2007, 90, 024104.	3.3	22
39	A heat-driven thermoacoustic cryocooler capable of reaching below liquid hydrogen temperature. Science Bulletin, 2007, 52, 574-576.	1.7	30
40	Detailed study of a traveling wave thermoacoustic refrigerator driven by a traveling wave thermoacoustic engine. Journal of the Acoustical Society of America, 2006, 119, 2686-2692.	1.1	47
41	An acoustical pump capable of significantly increasing pressure ratio of thermoacoustic heat engines. Science Bulletin, 2006, 51, 1014-1016.	1.7	10
42	A thermoacoustically driven cooler capable of reaching temperature below 77 K with no moving part. Science Bulletin, 2005, 50, 383-384.	1.7	5
43	A high-performance thermoacoustic refrigerator operating in room-temperature range. Science Bulletin, 2005, 50, 2662-2664.	1.7	2
44	A Heat-driven thermoacoustic cooler capable of reaching liquid nitrogen temperature. Applied Physics Letters, 2005, 86, 224103.	3.3	50
45	A novel coupling configuration for thermoacoustically-driven pulse tube coolers: Acoustic amplifier. Science Bulletin, 2005, 50, 2113-2115.	9.0	6
46	Investigation of High-Stability Temperature Control in Primary Gas Thermometry. Journal of Thermal Science, 0, , 1.	1.9	0