

Bj Huang

List of Publications by Year in descending order

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48
papers

3,147
citations

186265

28
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	A 1-D analysis of ejector performance. International Journal of Refrigeration, 1999, 22, 354-364.	3.4	797
2	Performance evaluation of solar photovoltaic/thermal systems. Solar Energy, 2001, 70, 443-448.	6.1	641
3	Empirical correlation for ejector design. International Journal of Refrigeration, 1999, 22, 379-388.	3.4	140
4	Feasibility study of one axis three positions tracking solar PV with low concentration ratio reflector. Energy Conversion and Management, 2007, 48, 1273-1280.	9.2	132
5	Performance characteristics of integral type solar-assisted heat pump. Solar Energy, 2001, 71, 403-414.	6.1	109
6	Performance analysis of a solar-assisted heat pump water heater. Solar Energy, 2003, 74, 33-44.	6.1	104
7	A SOLAR EJECTOR COOLING SYSTEM USING REFRIGERANT R141b. Solar Energy, 1998, 64, 223-226.	6.1	94
8	Long-term field test of solar PV power generation using one-axis 3-position sun tracker. Solar Energy, 2011, 85, 1935-1944.	6.1	84
9	Heat-pipe enhanced solar-assisted heat pump water heater. Solar Energy, 2005, 78, 375-381.	6.1	66
10	Similarity theory of solar water heater with natural circulation. Solar Energy, 1980, 25, 105-116.	6.1	61
11	Investigation of an experimental ejector refrigeration machine operating with refrigerant R245fa at design and off-design working conditions. Part 2. Theoretical and experimental results. International Journal of Refrigeration, 2015, 55, 212-223.	3.4	60
12	Investigation of an experimental ejector refrigeration machine operating with refrigerant R245fa at design and off-design working conditions. Part 1. Theoretical analysis. International Journal of Refrigeration, 2015, 55, 201-211.	3.4	55
13	Long-term performance of solar-assisted heat pump water heater. Renewable Energy, 2004, 29, 633-639.	8.9	53
14	System dynamic model and charging control of lead-acid battery for stand-alone solar PV system. Solar Energy, 2010, 84, 822-830.	6.1	49
15	Integral-type solar-assisted heat pump water heater. Renewable Energy, 1999, 16, 731-734.	8.9	46
16	Collector selection for solar ejector cooling system. Solar Energy, 2001, 71, 269-274.	6.1	45
17	A combined-cycle refrigeration system using ejector-cooling cycle as the bottom cycle. International Journal of Refrigeration, 2001, 24, 391-399.	3.4	42
18	Development of hybrid solar-assisted cooling/heating system. Energy Conversion and Management, 2010, 51, 1643-1650.	9.2	40

#	ARTICLE	IF	CITATIONS
19	Performance optimization for a variable throat ejector in a solar refrigeration system. International Journal of Refrigeration, 2013, 36, 1512-1520.	3.4	39
20	A simulation method for solar thermosyphon collector. Solar Energy, 1985, 35, 31-43.	6.1	38
21	Development of an ejector cooling system with thermal pumping effect. International Journal of Refrigeration, 2006, 29, 476-484.	3.4	38
22	Performance evaluation method of solar-assisted heat pump water heater. Applied Thermal Engineering, 2007, 27, 568-575.	6.0	38
23	Development of high-performance solar LED lighting system. Energy Conversion and Management, 2010, 51, 1669-1675.	9.2	35
24	Performance of ejector cooling system with thermal pumping effect using R141b and R365mfc. Applied Thermal Engineering, 2009, 29, 1904-1912.	6.0	34
25	Performance rating method of thermosyphon solar water heaters. Solar Energy, 1993, 50, 435-440.	6.1	32
26	System design of orifice pulse-tube refrigerator using linear flow network analysis. Cryogenics, 1996, 36, 889-902.	1.7	32
27	A proposed modified efficiency for thermosyphon solar heating systems. Solar Energy, 2004, 76, 693-701.	6.1	31
28	Near-maximum-power-point-operation (nMPPO) design of photovoltaic power generation system. Solar Energy, 2006, 80, 1003-1020.	6.1	30
29	Design-theoretical study of cascade CO ₂ sub-critical mechanical compression/butane ejector cooling cycle. International Journal of Refrigeration, 2011, 34, 1649-1656.	3.4	25
30	Study of a high efficiency residential split water-cooled air conditioner. Applied Thermal Engineering, 2005, 25, 1599-1613.	6.0	23
31	Optimal control and performance test of solar-assisted cooling system. Applied Thermal Engineering, 2010, 30, 2243-2252.	6.0	23
32	System performance and economic analysis of solar-assisted cooling/heating system. Solar Energy, 2011, 85, 2802-2810.	6.1	17
33	A fast response heat pump water heater using thermostat made from shape memory alloy. Applied Thermal Engineering, 2009, 29, 56-63.	6.0	16
34	Linear network analysis of regenerator in a cyclic-flow system. Cryogenics, 1995, 35, 203-207.	1.7	13
35	A criterion study of solar irradiation patterns for the performance testing of thermosyphon solar water heaters. Solar Energy, 2002, 73, 287-292.	6.1	11
36	Split-type free-displacer Stirling refrigerator design using linear network analysis. Cryogenics, 1996, 36, 1005-1017.	1.7	10

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37	System performance analysis of Gifford-McMahon cooler. <i>Cryogenics</i> , 1995, 35, 117-125.	1.7	9
38	Modeling of integral-type Stirling refrigerator using system dynamics approach. <i>International Journal of Refrigeration</i> , 2000, 23, 632-641.	3.4	9
39	Dynamic response of regenerator in cyclic flow system. <i>Cryogenics</i> , 1993, 33, 1046-1052.	1.7	7
40	Experimental study on the design of orifice pulse tube refrigerator. <i>International Journal of Refrigeration</i> , 2001, 24, 400-408.	3.4	7
41	Performance test of solar collector with intermittent output. <i>Solar Energy</i> , 1982, 28, 413-420.	6.1	5
42	Linear network analysis of split-type stirling refrigerator. <i>Cryogenics</i> , 1994, 34, 207-210.	1.7	3
43	Solar Photo-Voltaic/Thermal Co-Generation Collector. , 2000, , 181-184.		3
44	A Combined Ejector Cooling and Hot Water Supply System Using Solar and Waste Heat Energy. , 2000, , 188-190.		1
45	A system dynamics model of split-type Stirling refrigerator. <i>Cryogenics</i> , 1996, 36, 513-516.	1.7	0
46	A Study of Ejector Refrigeration System Design for Solar Cooling Application. , 2000, , 1052-1055.		0
47	A pulse-tube refrigerator using variable-resistance orifice. <i>Cryogenics</i> , 2003, 43, 59-65.	1.7	0
48	Computer-Aided Design of Split-type Stirling Refrigerator. , 1997, , 385-388.		0