

Nan Zheng

List of Publications by Year in descending order

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14
papers

467
citations

687363

13
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental verification of a rolling-piston expander that applied for low-temperature Organic Rankine Cycle. <i>Applied Energy</i> , 2013, 112, 1265-1274.	10.1	85
2	Analysis of a novel combined power and ejector-refrigeration cycle. <i>Energy Conversion and Management</i> , 2016, 108, 266-274.	9.2	79
3	A thermodynamic analysis of an auto-cascade heat pump cycle for heating application in cold regions. <i>Energy and Buildings</i> , 2014, 82, 621-631.	6.7	63
4	Analysis of a solar Rankine cycle powered refrigerator with zeotropic mixtures. <i>Solar Energy</i> , 2018, 162, 57-66.	6.1	45
5	Experimental study on two-phase separation performance of impacting T-junction. <i>International Journal of Multiphase Flow</i> , 2016, 83, 172-182.	3.4	31
6	Trends in patents for solar thermal utilization in China. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 852-862.	16.4	24
7	Experimental study on phase separation of refrigerant at horizontal T-junction. <i>International Journal of Multiphase Flow</i> , 2018, 105, 217-233.	3.4	23
8	The feasibility of using vapor expander to recover the expansion work in two-stage heat pumps with a large temperature lift. <i>International Journal of Refrigeration</i> , 2015, 56, 15-27.	3.4	22
9	Theoretical and experimental investigations on the changing regularity of the extreme point of the temperature difference between zeotropic mixtures and heat transfer fluid. <i>Energy</i> , 2013, 55, 541-552.	8.8	21
10	Experimental study on the distribution of constituents of binary zeotropic mixtures in vertical impacting T-junction. <i>International Journal of Heat and Mass Transfer</i> , 2016, 97, 242-252.	4.8	21
11	Experimental research on liquid-vapor two-phase flow separation of zeotropic mixtures at an impacting T-junction. <i>Experimental Thermal and Fluid Science</i> , 2017, 89, 140-152.	2.7	16
12	Performance analysis of a novel vapor injection cycle enhanced by cascade condenser for zeotropic mixtures. <i>Applied Thermal Engineering</i> , 2018, 139, 166-176.	6.0	15
13	Experimental study on the constituent separation performance of binary zeotropic mixtures in horizontal branch T-junctions. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 76-87.	4.8	15
14	Progress and prospect of flow phenomena and simulation on two-phase separation in branching T-junctions: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112742.	16.4	7