

Douglas Reindl

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

534
citations

687363

13
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Refrigeration system performance using liquid-suction heat exchangers. International Journal of Refrigeration, 2000, 23, 588-596.	3.4	127
2	Thermal performance testing of flat-plate collectors. Solar Energy, 2008, 82, 746-757.	6.1	81
3	<i>Review Article:</i> Recent Developments in Room Temperature Active Magnetic Regenerative Refrigeration. HVAC and R Research, 2007, 13, 525-542.	0.6	42
4	Assessment of high penetration of solar photovoltaics in Wisconsin. Energy Policy, 2010, 38, 7338-7345.	8.8	33
5	Optimization of the Composition of a Gas Mixture in a Joule-Thomson Cycle. HVAC and R Research, 2004, 10, 213-230.	0.6	29
6	A Microvalve With Integrated Sensors and Customizable Normal State for Low-Temperature Operation. Journal of Microelectromechanical Systems, 2009, 18, 868-877.	2.5	28
7	An alternative method for calculation of semi-gray radiation heat transfer in solar central cavity receivers. Solar Energy, 2012, 86, 1899-1909.	6.1	26
8	Strategies to minimize SARS-CoV-2 transmission in classroom settings: combined impacts of ventilation and mask effective filtration efficiency. Science and Technology for the Built Environment, 2021, 27, 1181-1203.	1.7	26
9	Predicting the Performance of an Active Magnetic Regenerator Refrigerator Used for Space Cooling and Refrigeration. HVAC and R Research, 2006, 12, 1077-1095.	0.6	23
10	Measurements of the flow of supercritical carbon dioxide through short orifices. Journal of Supercritical Fluids, 2014, 88, 17-25.	3.2	20
11	Measured and predicted frictional pressure drop for boiling zeotropic mixed refrigerants in horizontal tubes. International Journal of Heat and Mass Transfer, 2016, 98, 285-298.	4.8	16
12	Measured and predicted heat transfer coefficients for boiling zeotropic mixed refrigerants in horizontal tubes. International Journal of Heat and Mass Transfer, 2016, 97, 683-695.	4.8	15
13	Sensitivity of long-term performance simulations of solar energy systems to the degree of stratification in the thermal storage unit. International Journal of Energy Research, 2008, 32, 242-254.	4.5	14
14	Impact of HRSG characteristics on open volumetric receiver CSP plant performance. Solar Energy, 2016, 127, 159-174.	6.1	14
15	Use of a fiber optic distributed temperature sensing system for thermal response testing of ground-coupled heat exchangers. Geothermics, 2018, 71, 331-338.	3.4	13
16	Determination of vertical borehole and geological formation properties using the Crossed Contour Method. Geothermics, 2017, 66, 174-182.	3.4	6
17	Experimental facility to measure heat transfer and pressure drop of boiling zeotropic multi-component mixtures in a horizontal tube. Science and Technology for the Built Environment, 2016, 22, 2-14.	1.7	5
18	A piezoelectric microvalve with integrated sensors for cryogenic applications. , 2007, , .		4

#	ARTICLE	IF	CITATIONS
19	A Low Power, Microvalve-Regulated Drug Delivery System using a Si Micro-Spring Pressurized Balloon Reservoir. , 2007, , .		3
20	A perforated plate stacked Si/glass heat exchanger with in-situ temperature sensing for joule-thomson coolers. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	3
21	Two approaches to micromachining si heat exchanger for Joule-Thomson cryosurgical probes. , 2007, , .		2
22	A Joule-Thomson cooling system with a Si/glass heat exchanger for 0.1–1 w heat loads. , 2009, , .		2
23	FREEZE PROTECTION METHOD USING HOT WATER FOR PASSIVE SOLAR WATER HEATING SYSTEM. International Journal of Air-Conditioning and Refrigeration, 2012, 20, 1250021.	0.7	2