

Guilherme B Ribeiro

List of Publications by Year in descending order

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papers

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1040056

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all docs

24
docs citations

24
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	A State-of-the-Art Review of Compact Vapor Compression Refrigeration Systems and Their Applications. <i>Heat Transfer Engineering</i> , 2012, 33, 356-374.	1.9	57
2	Performance of microchannel condensers with metal foams on the air-side: Application in small-scale refrigeration systems. <i>Applied Thermal Engineering</i> , 2012, 36, 152-160.	6.0	35
3	Thermodynamic analysis and optimization of a Closed Regenerative Brayton Cycle for nuclear space power systems. <i>Applied Thermal Engineering</i> , 2015, 90, 250-257.	6.0	33
4	Prediction of subcooled flow boiling characteristics using two-fluid Eulerian CFD model. <i>Nuclear Engineering and Design</i> , 2016, 308, 30-37.	1.7	30
5	Mini-channel evaporator/heat pipe assembly for a chip cooling vapor compression refrigeration system. <i>International Journal of Refrigeration</i> , 2010, 33, 1402-1412.	3.4	21
6	Analysis of a variable speed air conditioner considering the R-290/POE ISO 22 mixture effect. <i>Applied Thermal Engineering</i> , 2016, 108, 650-659.	6.0	13
7	Comparison of metal foam and louvered fins as air-side heat transfer enhancement media for miniaturized condensers. <i>Applied Thermal Engineering</i> , 2013, 51, 334-337.	6.0	12
8	Assessment of RELAP5 matrix solvers for a two-phase natural circulation loop. <i>Annals of Nuclear Energy</i> , 2017, 105, 249-258.	1.8	10
9	Optimization of a heat pipe-radiator assembly coupled to a recuperated closed Brayton cycle for compact space power plants. <i>Applied Thermal Engineering</i> , 2021, 196, 117355.	6.0	10
10	Parametric evaluation of a heat pipe-radiator assembly for nuclear space power systems. <i>Thermal Science and Engineering Progress</i> , 2019, 13, 100368.	2.7	8
11	Use of peripheral fins for R-290 charge reduction in split-type residential air-conditioners. <i>International Journal of Refrigeration</i> , 2019, 106, 1-6.	3.4	7
12	Numerical evaluation of effects of the isolator height and the leading-edge bluntness on a scramjet inlet. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	7
13	Cold-side temperature optimization of a recuperated closed Brayton cycle for space power generation. <i>Thermal Science and Engineering Progress</i> , 2020, 17, 100498.	2.7	7
14	Comparison of interfacial heat transfer correlations for high-pressure subcooled boiling flows via CFD two-fluid model. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	6
15	Finite-time thermodynamics and exergy analysis of a Stirling engine for space power generation. <i>Thermal Science and Engineering Progress</i> , 2022, 27, 101078.	2.7	6
16	Thermodynamic-Dynamic coupling of a Stirling engine for space exploration. <i>Thermal Science and Engineering Progress</i> , 2022, 32, 101320.	2.7	6
17	A novel vapor-compression refrigeration loop for high ambient temperatures. <i>International Journal of Refrigeration</i> , 2016, 70, 103-107.	3.4	5
18	Second law evaluation of a lightweight cooling unit. <i>Case Studies in Thermal Engineering</i> , 2016, 7, 47-54.	5.7	5

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of R-290/POE ISO 22 condensers based on the second law and SEER rating. International Journal of Refrigeration, 2018, 88, 441-450.	3.4	3
20	Three-dimensional CFD investigation of a scramjet inlet under different freestream conditions. Thermal Science and Engineering Progress, 2022, 27, 101051.	2.7	2
21	Fourier analysis of the RELAP5/3D adaptive time-stepping scheme on a natural circulation loop. Annals of Nuclear Energy, 2018, 113, 65-74.	1.8	1
22	Investigation of bubble parameters and interfacial heat transfer correlations based on radial void fraction profiles of R-134a subcooled boiling flows. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	1
23	Development and analysis of a compact cooling system using the microcompressor. , 2012, , .		0
24	Brayton cycle numerical modeling using the RELAP5-3D code, version 4.3.4. Brazilian Journal of Radiation Sciences, 2019, 7, .	0.0	0