Adriano Milazzo

List of Publications by Year
in descending order

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37	1,076	394421	414414
papers	citations	19 h-index	32 g-index

38	38	38	823
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamic investigation of asynchronous inverse air cycle integrated with compressed-air energy storage. Journal of Energy Storage, 2022, 45, 103750.	8.1	5
2	A heat-powered ejector chiller working with low-GWP fluid R1233zd(E) (Part2: Numerical analysis). International Journal of Refrigeration, 2021, 121, 216-227.	3.4	9
3	A heat-powered ejector chiller working with low-GWP fluid R1233zd(E) (Part 1: Experimental results). International Journal of Refrigeration, 2021, 121, 1-9.	3.4	7
4	Experiments on water vapour condensation within supersonic nozzle flow generated by an impulse tunnel. International Journal of Multiphase Flow, 2021, 134, 103473.	3.4	4
5	Experimental and computational analysis of a R744 flashing ejector. International Journal of Refrigeration, 2019, 107, 326-343.	3.4	31
6	CFD modeling of condensing steam ejectors: Comparison with an experimental test-case. International Journal of Thermal Sciences, 2018, 127, 7-18.	4.9	52
7	Ejector Design. , 2018, , 71-115.		0
8	Ejectors for Efficient Refrigeration. , 2018, , .		15
9	Physics of the Ejectors. , 2018, , 21-69.		0
10	Ejector CFD Modeling. , 2018, , 117-150.		0
11	Experimental Activity. , 2018, , 151-174.		0
12	A novel CFD approach for the computation of R744 flashing nozzles in compressible and metastable conditions. Energy, 2018, 162, 1092-1105.	8.8	41
13	Future perspectives in ejector refrigeration. Applied Thermal Engineering, 2017, 121, 344-350.	6.0	29
14	CFD modelling of the condensation inside a Supersonic Nozzle: implementing customized wet-steam model in commercial codes. Energy Procedia, 2017, 126, 34-41.	1.8	14
15	The surface roughness effect on the performance of supersonic ejectors. Thermophysics and Aeromechanics, 2017, 24, 553-561.	0.5	12
16	CFD modelling of the condensation inside a cascade of steam turbine blades: comparison with an experimental test case. Energy Procedia, 2017, 126, 730-737.	1.8	13
17	Cascade refrigeration system with inverse Brayton cycle on the cold side. Applied Thermal Engineering, 2017, 127, 986-995.	6.0	21
18	CFD Modelling of the Condensation Inside a Supersonic Ejector Working with R134a. Energy Procedia, 2016, 101, 1232-1239.	1.8	7

#	Article	IF	Citations
19	CFD Modeling of the Supersonic Condensation Inside a Steam Ejector. Energy Procedia, 2016, 101, 1224-1231.	1.8	30
20	Constructal design of the mixing zone inside a supersonic ejector. International Journal of Heat and Technology, 2016, 34, S109-S118.	0.6	1
21	Constructal design of the mixing zone inside a supersonic ejector. International Journal of Heat and Technology, 2016, 34, S109-S118.	0.6	2
22	Modelling of ejector chillers with steam and other working fluids. International Journal of Refrigeration, 2015, 57, 277-287.	3.4	30
23	Performance analysis of a supersonic ejector cycle working with R245fa. International Journal of Refrigeration, 2015, 49, 79-92.	3.4	89
24	Theoretical and Experimental Activity on Ejector Refrigeration. Energy Procedia, 2014, 45, 1245-1254.	1.8	13
25	Thermodynamic analysis of regenerated air-cycle refrigeration in high and low pressure configuration. International Journal of Refrigeration, 2014, 40, 97-110.	3.4	27
26	Modelling thermostatic expansion valves. International Journal of Refrigeration, 2014, 38, 189-197.	3.4	30
27	The design, manufacture and testing of a jet-pump chiller for air conditioning and industrial application. Applied Thermal Engineering, 2013, 58, 234-240.	6.0	27
28	Exergy and Exergoeconomic Model of a Ground-Based CAES Plant for Peak-Load Energy Production. Energies, 2013, 6, 1050-1067.	3.1	37
29	Design of an ejector cycle refrigeration system. Energy Conversion and Management, 2012, 54, 38-46.	9.2	31
30	A Thermodynamic Analysis of Multistage Adiabatic CAES. Proceedings of the IEEE, 2012, 100, 461-472.	21.3	114
31	Prediction of condensation in steam ejector for a refrigeration system. International Journal of Refrigeration, 2011, 34, 1641-1648.	3.4	41
32	Thermodynamic analysis of CAES/TES systems for renewable energy plants. Renewable Energy, 2008, 33, 1998-2006.	8.9	174
33	Energy fluxes and their relations within energy plants. Energy Conversion and Management, 2007, 48, 1720-1725.	9.2	1
34	Repowering combined cycle power plants by a modified STIG configuration. Energy Conversion and Management, 2007, 48, 1590-1600.	9.2	42
35	Thermodynamic optimization of a reheat chemically recuperated gas turbine. Energy Conversion and Management, 2005, 46, 2936-2953.	9.2	36
36	Carbon dioxide removal via a membrane system in a natural gas combined-cycle plant. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2004, 218, 219-229.	1.4	7

#	Article	IF	Citations
37	Membrane systems for CO2 capture and their integration with gas turbine plants. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2003, 217, 505-517.	1.4	84