Navid Sharifi

List of Publications by Year
in descending order

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Version: 2024-02-01

22	425	933264 10	996849 15
papers	citations	h-index	g-index

22	22	22	230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a two-fluid model for predicting phase-changing flows inside thermal vapor compressors used in thermal desalination systems. Applied Thermal Engineering, 2021, 195, 116943.	3.0	5
2	Numerical study of non-equilibrium condensing supersonic steam flow in a jet-pump based on supersaturation theory. International Journal of Mechanical Sciences, 2020, 165, 105221.	3.6	24
3	Numerical study of effective parameters on the drying process in a vertical porous channel. Heat Transfer - Asian Research, 2019, 48, 3682-3707.	2.8	1
4	Study of drying process a vertical porous channel by developing a numeric solver in OpenFOAM. International Journal of Thermal Sciences, 2019, 146, 106072.	2.6	5
5	Mixing layer effects on the entrainment ratio in steam ejectors through ideal gas computational simulations. Energy, 2016, 95, 380-392.	4.5	66
6	An investigation on the supersonic ejectors working with mixture of air and steam. Journal of Mechanical Science and Technology, 2015, 29, 4691-4699.	0.7	10
7	Thermodynamic evaluation of high compressible steam flow in vapor compression systems used in desalination processes. Desalination and Water Treatment, 2015, 54, 1782-1792.	1.0	7
8	Geometrical analysis of thermo-compressors in multiple-effects distillation units based on the second law of thermodynamics. Desalination and Water Treatment, 2014, 52, 5731-5739.	1.0	2
9	Reducing energy consumption of a steam ejector through experimental optimization of the nozzle geometry. Energy, 2014, 66, 860-867.	4.5	46
10	Ejector primary nozzle steam condensation: Area ratio effects and mixing layer development. Applied Thermal Engineering, 2014, 71, 519-527.	3.0	47
11	Axisymmetric and three dimensional flow modeling within thermal vapor compressors. Heat and Mass Transfer, 2013, 49, 1489-1501.	1.2	13
12	Numerical assessment of steam nucleation on thermodynamic performance of steam ejectors. Applied Thermal Engineering, 2013, 52, 449-459.	3.0	61
13	An investigation of thermo-compressor design by analysis and experiment: Part 1. Validation of the numerical method. Energy Conversion and Management, 2013, 69, 217-227.	4.4	40
14	An investigation of thermo-compressor design by analysis and experiment: Part 2. Development of design method by using comprehensive characteristic curves. Energy Conversion and Management, 2013, 69, 228-237.	4.4	18
15	Experimental Improvement of Ejector Performance Through Numerical Optimization of Nozzle Geometry. , 2013, , .		0
16	Numerical Investigation of Heat Transfer in Wet Steam Flow in Convergent-Divergent Nozzles. , 2013, , .		0
17	CFD Evaluation of Steam Properties Within Thermo-Compressors With Two Different Numerical Approches. , 2013, , .		0
18	Numerical Optimization of Thermo-Compressors Based on Non-Dimensional Geometrical Parameters. , 2012, , .		1

#	Article	IF	Citations
19	Numerical Investigation of the Effects of Steam Nucleation on the Steam Ejectors Performance. , 2012, , .		2
20	Numerical Optimization of Ejector Geometry Based on Non-Dimensional Parameters. , 2012, , .		2
21	Wet steam flow energy analysis within thermo-compressors. Energy, 2012, 47, 609-619.	4.5	35
22	Experience of modification of thermo-compressors in multiple effects desalination plants in Assaluyeh in IRAN. Applied Thermal Engineering, 2012, 40, 174-180.	3.0	40