Design and investigation of a two-stage vacuum ejector

Applied Thermal Engineering
167, 114713
DOI: 10.1016/j.applthermaleng.2019.114713

Citation Report

#	Article	IF	Citations
1	Steam ejector performance considering phase transition for multi-effect distillation with thermal vapour compression (MED-TVC) desalination system. Applied Energy, 2020, 279, 115831.	10.1	31
2	Performance of steam ejector with nonequilibrium condensation for multi-effect distillation with thermal vapour compression (MED-TVC) seawater desalination system. Desalination, 2020, 489, 114531.	8.2	41
3	Computational analysis of a supersonic two-stage ejector. Materials Today: Proceedings, 2021, 38, 2700-2705.	1.8	9
4	Modeling of a MED-TVC desalination system by considering the effects of nanoparticles: energetic and exergetic analysis. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2675.	3.6	21
5	Nitrogen Influence on The Performance of Ejector Based PEMFC Hydrogen Recirculation System. , 2021, , .		1
6	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.	6.0	5
7	Performance analysis and prediction of ejector based hydrogen recycle system under variable proton exchange membrane fuel cell working conditions. Applied Thermal Engineering, 2021, 197, 117302.	6.0	14
8	Commercial Thermal Technologies for Desalination of Water from Renewable Energies: A State of the Art Review. Processes, 2021, 9, 262.	2.8	42
9	Design modification of two-dimensional supersonic ejector via the adjoint method. Applied Thermal Engineering, 2022, 200, 117674.	6.0	6
10	Application of Ejector in Solid Oxide Fuel Cell Anode Circulation System. Journal of Thermal Science, 2022, 31, 634-649.	1.9	3
11	A visual mass transfer study in the ejector considering phase change for multi-effect distillation with thermal vapour compression (MED-TVC) desalination system. Desalination, 2022, 532, 115722.	8.2	5
12	Numerical analysis of two-stage vacuum ejector performance considering the influence of phase transition and non-condensable gases. Applied Thermal Engineering, 2022, 213, 118730.	6.0	3
13	Numerical study on the effect of superheat on the steam ejector internal flow and entropy generation for MED-TVC desalination system. Desalination, 2022, 537, 115874.	8.2	7
14	Effect of Superheat Steam on Ejector in Distilled Water Preparation System for Medical Injection. Entropy, 2022, 24, 960.	2.2	3
15	Study on multicomponent and multiphase of the ejector for proton exchange membrane fuel cell hydrogen recirculation. Journal of Thermal Analysis and Calorimetry, 2022, 147, 13681-13697.	3.6	2
16	Influence of Geometrical Parameters on Supersonic Steam-Ejector Performance. Heat Transfer Engineering, 2023, 44, 1391-1406.	1.9	2
17	Effect of Back Pressure on Performances and Key Geometries of the Second Stage in a Highly Coupled Two-Stage Ejector. Entropy, 2022, 24, 1847.	2.2	0
18	Design and Investigation of a Dynamic Auto-Adjusting Ejector for the MED-TVC Desalination System Driven by Solar Energy. Entropy, 2022, 24, 1815.	2.2	1

#	Article	IF	Citations
19	A numerical investigation of simulating moisture in motive steam in a thermal-vapor compressor with DPM method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2023, 45, .	1.6	0
20	Working condition expansion and performance optimization of two-stage ejector based on optimal switching strategy. Energy, 2023, 282, 128376.	8.8	3
21	Experimental investigation of a novel variable geometry radial ejector. Applied Thermal Engineering, 2023, 233, 121143.	6.0	2
22	Performance Analysis on the Variable Area Single- and Two-Stage Ejector System at Different Operating Pressures Using Computational Techniques. Lecture Notes in Mechanical Engineering, 2023, , 601-610.	0.4	0
23	Solar driven desalination system for power and desalination water production by concentrated PVT and MED system. Chemical Product and Process Modeling, 2024, 19, 33-50.	0.9	0
24	A comprehensive exploration of ejector design, operational factors, performance metrics, and practical applications. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2024, 46, .	1.6	0
25	Impact of inlet steam state on ejector internal flow and performance considering non-equilibrium condensation. International Communications in Heat and Mass Transfer, 2024, 151, 107242.	5.6	0
26	Numerical investigation of exit pressure on flow structure in steam ejector by considering condensation and evaporation process. Proceedings of the Indian National Science Academy, 2024, 90, 113-123.	1.4	0