A combined pressure regulation technology with multi-passage for performance improvement of the steam eje

Energy

175, 46-57

DOI: 10.1016/j.energy.2019.03.072

Citation Report

#	Article	IF	Citations
1	Visualization experimental study of the condensing flow regime in the transonic mixing process of desalination-oriented steam ejector. Energy Conversion and Management, 2019, 197, 111849.	9.2	41
2	Performance evaluation and operation optimization of the steam ejector based on modified model. Applied Thermal Engineering, 2019, 163, 114388.	6.0	41
3	Effects of inlet parameters on the supersonic condensation and swirling characteristics of binary natural gas mixture. Energy, 2019, 188, 116082.	8.8	23
4	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
5	Numerical investigation of the wet steam condensation flow characteristics in stator cascade with blade surface heating. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 1251-1262.	3.1	7
6	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
7	Optimization of the primary nozzle based on a modified condensation model in a steam ejector. Applied Thermal Engineering, 2020, 171, 115090.	6.0	55
8	A double-choking theory as an explanation of the evolution laws of ejector performance with various operational and geometrical parameters. Energy Conversion and Management, 2020, 206, 112499.	9.2	28
9	Recent active thermal management technologies for the development of energy-optimized aerospace vehicles in China. Chinese Journal of Aeronautics, 2021, 34, 1-27.	5.3	85
10	Study on fundamental link between mixing efficiency and entrainment performance of a steam ejector. Energy, 2021, 215, 119128.	8.8	22
11	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
12	Mixing process of two streams within a steam ejector from the perspectives of mass, momentum and energy transfer. Applied Thermal Engineering, 2021, 185, 116358.	6.0	17
13	Energy Efficient Seawater Desalination: Strategies and Opportunities. Energy Technology, 2021, 9, 2100008.	3.8	8
14	Effects of surface roughness and temperature on non-equilibrium condensation and entrainment performance in a desalination-oriented steam ejector. Applied Thermal Engineering, 2021, 196, 117264.	6.0	17
15	Simulation investigation on performance of a powerâ€“water cogeneration system coupled with a two-stage thermal vapor compressor. Case Studies in Thermal Engineering, 2021, 28, 101435.	5.7	1
16	Effect of area ratio of the primary nozzle on steam ejector performance considering nonequilibrium condensations. Energy, 2021, 237, 121483.	8.8	35
17	Technoeconomic and environmental optimization of a solar tower integrated energy system for freshwater production. Journal of Cleaner Production, 2020, 270, 121760.	9.3	38
18	Study on evolution laws of two-phase choking flow and entrainment performance of steam ejector oriented towards MED-TVC desalination system. Energy, 2022, 242, 122967.	8.8	9

#	Article	IF	Citations
19	Numerical simulation study on the influence of primary nozzle deviation on the steam ejector performance. International Journal of Thermal Sciences, 2022, 179, 107633.	4.9	8
20	Assessment of a novel solar-powered polygeneration system highlighting efficiency, exergy, economic and environmental factors. Desalination, 2022, 540, 116004.	8.2	17
21	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
22	Numerical study on carbon dioxide removal from the hydrogen-rich stream by supersonic Laval nozzle. International Journal of Hydrogen Energy, 2023, 48, 14299-14321.	7.1	7
23	Energy efficiency assessment of hydrogen recirculation ejectors for proton exchange membrane fuel cell (PEMFC) system. Applied Energy, 2023, 346, 121357.	10.1	7
24	High-order optimization of bicubic parametric convergent curves for carbon capture nozzles in hydrogen-rich fuel. International Journal of Hydrogen Energy, 2023, , .	7.1	0
25	Energy separation and CO2 nonequilibrium condensation effects in the pressure recovery process of hydrogen-rich fuel purification and decarburization. Journal of the Energy Institute, 2023, 111, 101358.	5.3	0
26	Performance evaluation of a solar-assisted ejector-enhanced vapor injection heat pump cycle. Solar Energy, 2023, 265, 112104.	6.1	1
27	Numerical simulation of blade-type adjustable steam ejector. Applied Thermal Engineering, 2024, 238, 122199.	6.0	0
28	Research progress on the integration and optimal design of desalination process. Separation and Purification Technology, 2024, 337, 126423.	7.9	0