

Single-phase ejector geometry optimisation by means of genetic algorithm and a surrogate CFD model

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Citation Report

#	ARTICLE	IF	CITATIONS
1	An investigation of geometrical factors of multi-stage steam ejectors for air suction. <i>Energy</i> , 2019, 186, 115808.	8.8	18
2	Numerical Simulation of a Supersonic Ejector for Vacuum Generation with Explicit and Implicit Solver in Openfoam. <i>Energies</i> , 2019, 12, 3553.	3.1	5
3	A novel methodology for designing a multi-ejector refrigeration system. <i>Applied Thermal Engineering</i> , 2019, 151, 26-37.	6.0	27
4	Seasonal performance optimisation of thermally driven ejector cooling cycles working with R134a. <i>International Journal of Refrigeration</i> , 2019, 104, 356-366.	3.4	9
5	Current Advances in Ejector Modeling, Experimentation and Applications for Refrigeration and Heat Pumps. Part 1: Single-Phase Ejectors. <i>Inventions</i> , 2019, 4, 15.	2.5	45
6	A comprehensive review of ejector design, performance, and applications. <i>Applied Energy</i> , 2019, 240, 138-172.	10.1	230
7	Ejectors on the cutting edge: The past, the present and the perspective. <i>Energy</i> , 2019, 170, 998-1003.	8.8	70
8	A techno-economic analysis of geothermal ejector cooling system. <i>Energy</i> , 2020, 193, 116760.	8.8	21
9	Progress and challenges in utilization of ejectors for cryogenic cooling. <i>Applied Thermal Engineering</i> , 2020, 167, 114783.	6.0	18
10	Optimum Nozzle Design for a Viscous Liquid by Using Multi-Objective Search Approaches. <i>IEEE Access</i> , 2020, 8, 112688-112707.	4.2	1
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12	Simulation and Optimization of Venturi Injector by Machine Learning Algorithms. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, .	1.0	5
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14	Performance investigation of a multi-nozzle ejector for proton exchange membrane fuel cell system. <i>International Journal of Energy Research</i> , 2021, 45, 3031-3048.	4.5	29
15	Synergistic effect of geometric parameters on CO ₂ ejector based on local exergy destruction analysis. <i>Applied Thermal Engineering</i> , 2021, 184, 116256.	6.0	14
16	Automated optimization of double heater convective polymerase chain reaction devices based on CFD simulation database and artificial neural network model. <i>Biomedical Microdevices</i> , 2021, 23, 20.	2.8	2
17	Multi-scale evaluation of ejector performances: The influence of refrigerants and ejector design. <i>Applied Thermal Engineering</i> , 2021, 186, 116502.	6.0	23
18	Pressure Exchanger for Energy Recovery in a Trans-Critical CO ₂ Refrigeration System. <i>Energies</i> , 2021, 14, 1754.	3.1	4

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19	An applicable surface heating in a two-phase ejector refrigeration. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	9
20	Numerical study on the interaction of geometric parameters of a transcritical CO ₂ two-phase ejector using response surface methodology and genetic algorithm. <i>Applied Thermal Engineering</i> , 2022, 214, 118799.	6.0	8
21	Effect of Superheat Steam on Ejector in Distilled Water Preparation System for Medical Injection. <i>Entropy</i> , 2022, 24, 960.	2.2	3
22	A review of key components of hydrogen recirculation subsystem for fuel cell vehicles. <i>Energy Conversion and Management: X</i> , 2022, 15, 100265.	1.6	8
23	Computational 2D parameter study of suction and oscillatory blowing actuator with experimental validation. <i>Aerospace Science and Technology</i> , 2022, 129, 107813.	4.8	2
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25	Physics-based surrogate model for reinforced concrete corrosion simulation. <i>Results in Engineering</i> , 2022, 16, 100659.	5.1	7
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27	Optimization of Two-Phase Ejector Mixing Chamber Length under Varied Liquid Volume Fraction. <i>Entropy</i> , 2023, 25, 7.	2.2	0
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30	Effects of Influencing Factors on the Performance and Morphology of Shock waves in Ejectors: A Review. <i>International Journal of Modern Physics C</i> , 0, , .	1.7	0
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