

Jianmei Feng

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

305
citations

1040056

9
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	3D transient CFD modelling of a scroll-type hydrogen pump used in FCVs. International Journal of Hydrogen Energy, 2018, 43, 19231-19241.	7.1	54
2	Performance prediction and evaluation of the scroll-type hydrogen pump for FCVs based on CFDâ€“Taguchi method. International Journal of Hydrogen Energy, 2019, 44, 15333-15343.	7.1	46
3	Performance investigation of a multiâ€“nozzle ejector for proton exchange membrane fuel cell system. International Journal of Energy Research, 2021, 45, 3031-3048.	4.5	29
4	Numerical and experimental study on gas-water separators for a PEMFC system. International Journal of Green Energy, 2021, 18, 490-502.	3.8	18
5	Phase change characteristics and their effect on the performance of hydrogen recirculation ejectors for PEMFC systems. International Journal of Hydrogen Energy, 2022, 47, 1144-1156.	7.1	18
6	Modeling the valve dynamics in a reciprocating compressor based on two-dimensional computational fluid dynamic numerical simulation. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2013, 227, 295-308.	2.5	17
7	Development and Testing of a Roots Pump for Hydrogen Recirculation in Fuel Cell System. Applied Sciences (Switzerland), 2020, 10, 8091.	2.5	16
8	Performance analysis and parametric studies on the primary nozzle of ejectors in proton exchange membrane fuel cell systems. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	2.3	15
9	Effects of Working Fluids on the Performance of a Roots Pump for Hydrogen Recirculation in a PEM Fuel Cell System. Applied Sciences (Switzerland), 2020, 10, 8069.	2.5	11
10	Experimental study on the static and dynamic performances of gas foil bearings for the centrifugal air compressor used in fuel cell vehicles. International Journal of Energy Research, 2022, 46, 4417-4433.	4.5	11
11	Transient characteristics investigation of the integrated ejector-driven hydrogen recirculation by multi-component CFD simulation. International Journal of Hydrogen Energy, 2022, 47, 29053-29068.	7.1	11
12	An experimental investigation of the oil film distribution in an oilâ€“gas cyclone separator. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 14-25.	2.5	10
13	A review of key components of hydrogen recirculation subsystem for fuel cell vehicles. Energy Conversion and Management: X, 2022, 15, 100265.	1.6	8
14	Numerical Investigation on the Effects of Structural Parameters of Labyrinth Cavity on Sealing Performance. Mathematical Problems in Engineering, 2018, 2018, 1-12.	1.1	6
15	Performance investigation and feasibility study of novel gas foil thrust bearing for hydrogen fuel cell vehicles. International Journal of Energy Research, 2022, 46, 12642-12659.	4.5	6
16	Experimental and Numerical Research on Temperature Evolution during the Fast-Filling Process of a Type III Hydrogen Tank. Energies, 2022, 15, 3811.	3.1	6
17	Effects of clearances size and fluid medium components on the thermodynamic performance of a claw pump for fuel cell vehicle. International Journal of Energy Research, 2022, 46, 15054-15065.	4.5	6
18	Separation performance of new type of multi-stage axial cyclone used as demister in power plant emission system. Journal of Dispersion Science and Technology, 2020, 41, 1643-1656.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Influence of an orifice plate on gas pulsation in a reciprocating compressor piping system. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2015, 229, 64-77.	2.5	4
20	Performance improvement of a large capacity Roots blower based on profile modification. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2386-2394.	2.1	4
21	Leakage Characteristic Identification of Labyrinth Seals on Reciprocating Piston through Transient Simulations. Mathematical Problems in Engineering, 2019, 2019, 1-12.	1.1	1
22	Application of a Fluid-Structure Interaction Model for Analysis of the Thermodynamic Process and Performance of Boil-Off Gas Compressors. Entropy, 2019, 21, 341.	2.2	1
23	Analysis and development of a roots-type air compressor with fixed internal compression for fuel cell system. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2022, 236, 51-60.	1.4	1
24	Investigation of 3D Transient Flow and Discharge Pressure Pulsation of Helical Roots Air Compressor for Hydrogen Fuel Cell Vehicle. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 11231-11239.	2.1	1
25	3D transient numerical simulation of a helical roots air compressor for FCVs. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110145.	2.1	0
26	Application of CFD Method to Investigate the Evolution of the Thermodynamic Parameters of a Hyper Compressor and Its Pipelines. Energies, 2022, 15, 4452.	3.1	0