

Xiaorui Cheng

List of Publications by Year in descending order

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13
papers

52
citations

1684188

5
h-index

1720034

7
g-index

13
all docs

13
docs citations

13
times ranked

36
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the influence of the specific area of balance hole on cavitation performance of high-speed centrifugal pump. Journal of Mechanical Science and Technology, 2020, 34, 3325-3334.	1.5	10
2	Effect of inlet sweepback angle on the cavitation performance of an inducer. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 713-723.	3.1	7
3	Investigation on matching characteristics of nuclear main pump guide vanes and annular casing. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	6
4	Influence of Circumferential Position of Guide Vane on Unsteady Flow Characteristics in Reactor Coolant Pump. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2016, 52, 197.	0.5	6
5	Effect of axial matching between inducer and centrifugal pump suction chamber on cavitation performance. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2020, 234, 947-956.	1.4	5
6	Effect of meridian plane dip angle of the variable pitch inducer blade on cavitation performance of high-speed centrifugal pump. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	5
7	Effect of Velocity Slip on Head Prediction for Centrifugal Pumps as Turbines. Mathematical Problems in Engineering, 2019, 2019, 1-10.	1.1	4
8	Correlation Research between Turbulent Pressure Pulsation and Internal Sound Field Characteristics of Centrifugal Pump. Journal of Thermal Science, 2021, 30, 100-110.	1.9	3
9	Study on the influence of blade outlet cutting on hydraulic noise of centrifugal pump with low specific speed. Advances in Mechanical Engineering, 2020, 12, 168781402096063.	1.6	2
10	Influence of the Balance Hole Circumferential Position on the Cavitation Performance of the Semiopen Impeller Centrifugal Pump. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	2
11	Hydrodynamically Numerical Computation on a Supercritical Pump with Complex Double-Cases. , 2010, ,		1
12	Studying on the influence of the annular groove position on the cavitation performance of high-speed inducer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	1
13	Influence of Circumferential Placement Position of Guide Vanes on Performance and Dynamic Characteristics of Nuclear Reactor Coolant Pump. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	0