

# Xiaorui Cheng

## List of Publications by Year in descending order

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Version: 2024-02-01

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