

# Yan Liu

## List of Publications by Year in descending order

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13  
papers

116  
citations

1477746

6  
h-index

1281420

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

90  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic performance of a vertical-axis tidal-current turbine with different preset angles of attack. <i>Journal of Hydrodynamics</i> , 2013, 25, 280-287.	1.3	23
2	Urans Computation of Cavitating Flows Around Skewed Propellers. <i>Journal of Hydrodynamics</i> , 2012, 24, 339-346.	1.3	17
3	Aerodynamic Optimization of a Winglet-Shroud Tip Geometry for a Linear Turbine Cascade. <i>Journal of Turbomachinery</i> , 2017, 139, .	0.9	16
4	Numerical and Experimental Investigation of Aerodynamic Performance for a Straight Turbine Cascade With a Novel Partial Shroud. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016, 138, .	0.8	15
5	Effect of Winglet-Shroud Tip With Labyrinth Seals on Aerodynamic Performance of a Linear Turbine Cascade. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016, 138, .	0.8	14
6	The effect of impellerâ€“diffuser interactions on diffuser performance in a centrifugal compressor. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2016, 10, 565-577.	1.5	10
7	Analysis of vortices and performance of different diffusers in a large mass flow coefficient centrifugal compressor. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2017, 231, 253-273.	0.8	5
8	Parametric study of rotor tip squealer geometry on the aerodynamic performance of a high subsonic axial compressor stage. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	4
9	Numerical Study of the Improvement in Stability and Performance by Use of a Partial Vaned Diffuser for a Centrifugal Compressor Stage. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6980.	1.3	3
10	Numerical simulations and optimizations for turbine-related configurations. <i>Thermal Science</i> , 2020, 24, 367-378.	0.5	3
11	Numerical Investigation of Transient Flow Characteristics in a Centrifugal Compressor Stage with Variable Inlet Guide Vanes at Low Mass Flow Rates. <i>Energies</i> , 2021, 14, 7906.	1.6	3
12	Design and analysis of a <sc>multi-stage</sc> axial turbine for gasified <sc>coal-water</sc> power system. <i>International Journal of Energy Research</i> , 2021, 45, 7352-7365.	2.2	2
13	Aerodynamic topology optimization on tip configurations of turbine blades. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 2861-2870.	0.7	1