

# Denghao Wu

## List of Publications by Year in descending order

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18  
papers

395  
citations

1163117

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h-index

888059

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18  
all docs

18  
docs citations

18  
times ranked

272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of circular non-smooth structure on cavitation damage characteristics of centrifugal pump. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	4
2	Application of Bayesian regularization back propagation neural network in sensorless measurement of pump operational state. Energy Reports, 2022, 8, 3041-3050.	5.1	25
3	Effect of Bionic Nonsmooth Surface Vane on the Antiwear Characteristics of Double-Vane Pump. Applied Bionics and Biomechanics, 2022, 2022, 1-13.	1.1	2
4	Influence of Bionic Circular Groove Blade Surface on Wear Performance. Lubricants, 2022, 10, 101.	2.9	5
5	Investigation of Self-Priming Process of a Centrifugal Pump with Double Blades. Journal of Thermal Science, 2021, 30, 849-858.	1.9	5
6	Airfoil profile surface drag reduction characteristics based on the structure of the mantis shrimp abdominal segment. Archive of Applied Mechanics, 2021, 91, 919-932.	2.2	8
7	Dynamic Instability Analysis of a Double-Blade Centrifugal Pump. Applied Sciences (Switzerland), 2021, 11, 8180.	2.5	1
8	Research Strategies to Develop Environmentally Friendly Marine Antifouling Coatings. Marine Drugs, 2020, 18, 371.	4.6	124
9	Experimental investigation on the gas-liquid flow patterns in a centrifugal pump during self-priming process. AIP Advances, 2020, 10, .	1.3	6
10	Impact of pressure gradients on fish scales in a jet fish pump. Biosystems Engineering, 2020, 191, 27-34.	4.3	6
11	Technical Characteristics and Wear-Resistant Mechanism of Nano Coatings: A Review. Coatings, 2020, 10, 233.	2.6	45
12	Mechanical properties and application analysis of spider silk bionic material. E-Polymers, 2020, 20, 443-457.	3.0	39
13	Research Progress on the Collaborative Drag Reduction Effect of Polymers and Surfactants. Materials, 2020, 13, 444.	2.9	81
14	Influence of blade profile on energy loss of sewage self-priming pump. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	11
15	Unsteady Flow and Structural Behaviors of Centrifugal Pump under Cavitation Conditions. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, .	3.7	16
16	Integrated topology optimization for vibration suppression in a vertical pump. Advances in Mechanical Engineering, 2019, 11, 168781401983268.	1.6	0
17	Investigation of flow separation in a centrifugal pump impeller based on improved delayed detached eddy simulation method. Advances in Mechanical Engineering, 2019, 11, 168781401989783.	1.6	6
18	Investigation of the correlation between noise & vibration characteristics and unsteady flow in a circulator pump. Journal of Mechanical Science and Technology, 2017, 31, 2155-2166.	1.5	11