

# Jianhua Hu

## List of Publications by Year in descending order

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43  
papers

329  
citations

758635

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h-index

940134

16  
g-index

44  
all docs

44  
docs citations

44  
times ranked

167  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Development History and Latest Progress of Deep-Sea Polymetallic Nodule Mining Technology. Minerals (Basel, Switzerland), 2021, 11, 1132.	0.8	42
2	Evaluation and Optimization of the Oil Jet Lubrication Performance for Orthogonal Face Gear Drive: Modelling, Simulation and Experimental Validation. Energies, 2019, 12, 1935.	1.6	28
3	Effect of grouser height on tractive performance of tracked mining vehicle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2459-2466.	0.8	22
4	CFD-DEM Simulation of Backflow Blockage of Deep-Sea Multistage Pump. Journal of Marine Science and Engineering, 2021, 9, 987.	1.2	18
5	Nonlinear Multi-Body Dynamic Modeling and Coordinated Motion Control Simulation of Deep-Sea Mining System. IEEE Access, 2019, 7, 86242-86251.	2.6	16
6	Experimental and Numerical Investigation on the Transport Characteristics of Particle-Fluid Mixture in Y-Shaped Elbow. Journal of Marine Science and Engineering, 2020, 8, 675.	1.2	16
7	Dynamics analysis of deep-sea mining pipeline system considering both internal and external flow. Marine Georesources and Geotechnology, 2021, 39, 408-418.	1.2	16
8	Mechanical Tests and Numerical Simulations for Mining Seafloor Massive Sulfides. Journal of Marine Science and Engineering, 2019, 7, 252.	1.2	14
9	Particle Distribution and Motion in Six-Stage Centrifugal Pump by Means of Slurry Experiment and CFD-DEM Simulation. Journal of Marine Science and Engineering, 2021, 9, 716.	1.2	14
10	Numerical Simulation Investigation on the Windage Power Loss of a High-Speed Face Gear Drive. Energies, 2019, 12, 2093.	1.6	13
11	Determination of an Optimal Oil Jet Nozzle Layout for Helical Gear Lubrication: Mathematical Modeling, Numerical Simulation, and Experimental Validation. Complexity, 2020, 2020, 1-18.	0.9	13
12	Design of the footprints of uncertainty for a class of typical interval type-2 fuzzy PI and PD controllers. ISA Transactions, 2021, 108, 1-9.	3.1	13
13	The simulation research on passive heave compensation system for deep sea mining. , 2009, , .		11
14	Measuring Method of Solid-Liquid Two-Phase Flow in Slurry Pipeline for Deep-Sea Mining. Thalassas, 2018, 34, 459-469.	0.1	11
15	Numerical analysis on heat-flow-coupled temperature field for orthogonal face gears with oil jet lubrication. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 762-780.	1.5	9
16	A new lifting pump for deep-sea mining. Journal of Marine Engineering and Technology, 2020, 19, 102-108.	1.9	8
17	Torsional vibration active control of hybrid construction machinery complex shafting. Journal of Central South University, 2014, 21, 3498-3503.	1.2	7
18	Discharge characteristics of high voltage pulses inside rocks with increasing their applied number. AIP Advances, 2017, 7, .	0.6	5

#	ARTICLE	IF	CITATIONS
19	Experimental Researches on Pulse Plasma Discharge for Deep-Ocean Thin-Layer Mineral Resources Crushing. <i>Thalassas</i> , 2019, 35, 405-412.	0.1	5
20	Research on the System of Boom Potential Recovery in Hydraulic Excavator. , 2010, , .		4
21	Dynamic modelling and motion control research on deep seabed miner. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 389-397.	1.2	4
22	Analysis of the Effect of Payment Mechanism on Exploitation of Polymetallic Nodules in the Area. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 221.	0.8	4
23	Numerical Analysis for Wetting Behaviors of an Oil Jet Lubricated Spur Gear. <i>Lubricants</i> , 2022, 10, 17.	1.2	4
24	Preview Control of an Active Vehicle Suspension System Based on a Four-Degree-of-Freedom Half-Car Model. , 2009, , .		3
25	Modeling and simulation of active-controlled heave compensation system of deep-sea mining based on dynamic vibration absorber. , 2009, , .		3
26	Simulation Research on the Semi-active Heave Compensation System Based on H8 Robust Control. , 2010, , .		3
27	Numerical and Experimental Investigation of Oil-Guiding Splash Lubrication in Light Helicopterâ€™s Reducers. <i>Aerospace</i> , 2021, 8, 345.	1.1	3
28	Control Performance Simulation on Heave Compensation System of Deep-sea Mining Based on Dynamic Vibration Absorber. , 2010, , .		2
29	Design and implementation of model test installation of heave compensation system of deepsea mining. <i>Journal of Central South University</i> , 2011, 18, 642-649.	1.2	2
30	Suspension principle of deep-ocean nodule collector. <i>Journal of Central South University</i> , 2014, 21, 920-925.	1.2	2
31	Evolution of surface spur gear tooth temperature based on three-dimensional finite element model. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	2
32	The Effect of Indentation Rate on Rock Breakages Characteristics. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 4181-4188.	0.8	2
33	Influence of different fuzzy operators on analytical structure and variable gains of typical interval type-2 fuzzy PI controller. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 4319-4329.	0.8	2
34	CFD investigation of air-oil two-phase flow in oil jet nozzle. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 10079-10089.	1.1	2
35	Numerical Investigation of Wave Slamming of Flat Bottom Body during Water Entry Process. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	1
36	Experimental Study of Mechanical Characteristics of Cobalt-Rich Crusts Under Different Temperatures. <i>Geotechnical and Geological Engineering</i> , 2016, 34, 1565-1570.	0.8	1

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37	Energy Analysis and Experiment of Breaking Cobalt-Rich Crust. Geotechnical and Geological Engineering, 2016, 34, 1029-1035.	0.8	1
38	Deformation characteristics and constitutive model of seafloor massive sulfides. Journal of Central South University, 2017, 24, 1986-1991.	1.2	1
39	Modeling of active heave compensation system of deep-sea mining based on dynamic vibration absorber and its H <sub>∞</sub> robust control. , 2010, , .		0
40	A New Exploitation Tool of Seafloor Massive Sulfide. Thalassas, 2016, 32, 101-104.	0.1	0
41	Experimental study on electrical properties of deep-sea cobalt-rich crusts. Journal of Marine Engineering and Technology, 0, , 1-5.	1.9	0
42	Research on Irregular Particle in Deep Sea Mining. , 2018, , .		0
43	Numerical Investigation on Pressure Pulsation Characteristics of Deep-Sea Electric Lifting Pump. , 2018, , .		0