

Jianhua Hu

List of Publications by Year in descending order

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43
papers

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758635

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44
all docs

44
docs citations

44
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Analysis for Wetting Behaviors of an Oil Jet Lubricated Spur Gear. <i>Lubricants</i> , 2022, 10, 17.	1.2	4
2	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
3	Dynamic modelling and motion control research on deep seabed miner. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 389-397.	1.2	4
4	Design of the footprints of uncertainty for a class of typical interval type-2 fuzzy PI and PD controllers. <i>ISA Transactions</i> , 2021, 108, 1-9.	3.1	13
5	Dynamics analysis of deep-sea mining pipeline system considering both internal and external flow. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 408-418.	1.2	16
6	Numerical analysis on heat-flow-coupled temperature field for orthogonal face gears with oil jet lubrication. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 762-780.	1.5	9
7	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
8	Particle Distribution and Motion in Six-Stage Centrifugal Pump by Means of Slurry Experiment and CFD-DEM Simulation. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 716.	1.2	14
9	CFD-DEM Simulation of Backflow Blockage of Deep-Sea Multistage Pump. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 987.	1.2	18
10	The Development History and Latest Progress of Deep-Sea Polymetallic Nodule Mining Technology. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1132.	0.8	42
11	Numerical and Experimental Investigation of Oil-Guiding Splash Lubrication in Light Helicopter™s Reducers. <i>Aerospace</i> , 2021, 8, 345.	1.1	3
12	A new lifting pump for deep-sea mining. <i>Journal of Marine Engineering and Technology</i> , 2020, 19, 102-108.	1.9	8
13	Experimental and Numerical Investigation on the Transport Characteristics of Particle-Fluid Mixture in Y-Shaped Elbow. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 675.	1.2	16
14	Determination of an Optimal Oil Jet Nozzle Layout for Helical Gear Lubrication: Mathematical Modeling, Numerical Simulation, and Experimental Validation. <i>Complexity</i> , 2020, 2020, 1-18.	0.9	13
15	The Effect of Indentation Rate on Rock Breakages Characteristics. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 4181-4188.	0.8	2
16	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
17	Mechanical Tests and Numerical Simulations for Mining Seafloor Massive Sulfides. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 252.	1.2	14
18	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

#	ARTICLE	IF	CITATIONS
19	Nonlinear Multi-Body Dynamic Modeling and Coordinated Motion Control Simulation of Deep-Sea Mining System. IEEE Access, 2019, 7, 86242-86251.	2.6	16
20	Numerical Simulation Investigation on the Windage Power Loss of a High-Speed Face Gear Drive. Energies, 2019, 12, 2093.	1.6	13
21	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
22	Experimental Researches on Pulse Plasma Discharge for Deep-Ocean Thin-Layer Mineral Resources Crushing. Thalassas, 2019, 35, 405-412.	0.1	5
23	Research on Irregular Particle in Deep Sea Mining. , 2018, , .		0
24	Numerical Investigation on Pressure Pulsation Characteristics of Deep-Sea Electric Lifting Pump. , 2018, , .		0
25	Measuring Method of Solid-Liquid Two-Phase Flow in Slurry Pipeline for Deep-Sea Mining. Thalassas, 2018, 34, 459-469.	0.1	11
26	Discharge characteristics of high voltage pulses inside rocks with increasing their applied number. AIP Advances, 2017, 7, .	0.6	5
27	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
28	Deformation characteristics and constitutive model of seafloor massive sulfides. Journal of Central South University, 2017, 24, 1986-1991.	1.2	1
29	A New Exploitation Tool of Seafloor Massive Sulfide. Thalassas, 2016, 32, 101-104.	0.1	0
30	Experimental Study of Mechanical Characteristics of Cobalt-Rich Crusts Under Different Temperatures. Geotechnical and Geological Engineering, 2016, 34, 1565-1570.	0.8	1
31	Energy Analysis and Experiment of Breaking Cobalt-Rich Crust. Geotechnical and Geological Engineering, 2016, 34, 1029-1035.	0.8	1
32	Numerical Investigation of Wave Slamming of Flat Bottom Body during Water Entry Process. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	1
33	Torsional vibration active control of hybrid construction machinery complex shafting. Journal of Central South University, 2014, 21, 3498-3503.	1.2	7
34	Suspension principle of deep-ocean nodule collector. Journal of Central South University, 2014, 21, 920-925.	1.2	2
35	Design and implementation of model test installation of heave compensation system of deepsea mining. Journal of Central South University, 2011, 18, 642-649.	1.2	2
36	Control Performance Simulation on Heave Compensation System of Deep-sea Mining Based on Dynamic Vibration Absorber. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
37	Simulation Research on the Semi-active Heave Compensation System Based on H8 Robust Control. , 2010, , .		3
38	Modeling of active heave compensation system of deep-sea mining based on dynamic vibration absorber and its H ∞ robust control. , 2010, , .		0
39	Research on the System of Boom Potential Recovery in Hydraulic Excavator. , 2010, , .		4
40	The simulation research on passive heave compensation system for deep sea mining. , 2009, , .		11
41	Preview Control of an Active Vehicle Suspension System Based on a Four-Degree-of-Freedom Half-Car Model. , 2009, , .		3
42	Modeling and simulation of active-controlled heave compensation system of deep-sea mining based on dynamic vibration absorber. , 2009, , .		3
43	Experimental study on electrical properties of deep-sea cobalt-rich crusts. Journal of Marine Engineering and Technology, 0, , 1-5.	1.9	0