

Guan Dong

List of Publications by Year in descending order

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papers

547
citations

623734

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31
all docs

31
docs citations

31
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical modeling and numerical simulation of dynamic contact characteristics of a spherical pump with variable friction coefficient. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 434-446.	1.8	1
2	Experimental test and theoretical modeling on the working characteristics of spherical water pump. Flow Measurement and Instrumentation, 2022, 85, 102162.	2.0	8
3	Frictional moment and wear modelling for incomplete spherical pistons in a spherical pump. Industrial Lubrication and Tribology, 2022, 74, 829-836.	1.3	0
4	Theoretical modeling and optimal matching on the damping property of mechatronic shock absorber with low speed and heavy load capacity. Journal of Sound and Vibration, 2022, 535, 117113.	3.9	11
5	Hydrostatic Bearing Characteristics Investigation of a Spherical Piston Pair with an Annular Orifice Damper in Spherical Pump. Coatings, 2021, 11, 1007.	2.6	0
6	Quantitative characterization of the energy harvesting performance of soft-contact sphere triboelectric nanogenerator. Nano Energy, 2021, 87, 106186.	16.0	15
7	Achieving Ultrahigh Output Energy Density of Triboelectric Nanogenerators in High-Pressure Gas Environment. Advanced Science, 2020, 7, 2001757.	11.2	59
8	Dynamic Contact Analysis of the Piston and Slipper Pair in Axial Piston Pump. Coatings, 2020, 10, 1217.	2.6	7
9	A coplanar-electrode direct-current triboelectric nanogenerator with facile fabrication and stable output. EcoMat, 2020, 2, e12037.	11.9	25
10	Fluid-Structure Coupling Model and Experimental Validation of Interaction Between Pneumatic Soft Actuator and Lower Limb. Soft Robotics, 2020, 7, 627-638.	8.0	11
11	Multifunctional Self-Powered Switch toward Delay-Characteristic Sensors. ACS Applied Materials & Interfaces, 2020, 12, 22873-22880.	8.0	15
12	Sensitivity Analysis of the Surface Acoustic Wave Sensor towards Size-Distributed Particulate Matter. Shock and Vibration, 2020, 2020, 1-10.	0.6	17
13	A universal method for quantitative analysis of triboelectric nanogenerators. Journal of Materials Chemistry A, 2019, 7, 19485-19494.	10.3	44
14	Dynamic Interface Pressure Monitoring System for the Morphological Pressure Mapping of Intermittent Pneumatic Compression Therapy. Sensors, 2019, 19, 2881.	3.8	14
15	3D orbit design for overcoming the dead-point problem in spherical pump based on virtual prototyping., 2019, , .		0
16	Test and simulation the failure characteristics of twin tube shock absorber. Mechanical Systems and Signal Processing, 2019, 122, 707-719.	8.0	36
17	Friction and wear modeling of rotary disc in spherical pump. Industrial Lubrication and Tribology, 2019, 71, 420-425.	1.3	11
18	Dynamic lubrication analysis for a spherical pump. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 18-29.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Normal contact analysis for spherical pump based on fractal theory. Tribology International, 2018, 124, 117-123.	5.9	34
20	Tangential contact analysis of spherical pump based on fractal theory. Tribology International, 2018, 119, 531-538.	5.9	22
21	Hybrid reliability-based multidisciplinary design optimization with random and interval variables. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 52-64.	0.7	6
22	Prediction of sound absorption property of metal rubber using general regression neural network. Noise Control Engineering Journal, 2018, 66, 424-431.	0.3	5
23	Lubrication regime analysis for spherical pump. Industrial Lubrication and Tribology, 2018, 70, 1437-1446.	1.3	11
24	Heat transfer analysis of solar based grain drying bed. , 2017, , .		0
25	A lightweight low-frequency sound insulation membrane-type acoustic metamaterial. AIP Advances, 2016, 6, .	1.3	53
26	Kinematic modeling, analysis and test on a quiet spherical pump. Journal of Sound and Vibration, 2016, 383, 146-155.	3.9	18
27	Lattice Boltzmann simulation of acoustic resistance in microchannels. International Journal of Modern Physics B, 2015, 29, 1550104.	2.0	3
28	Application of a Helmholtz structure for low frequency noise reduction. Noise Control Engineering Journal, 2015, 63, 20-35.	0.3	21
29	A statistical method for predicting sound absorbing property of porous metal materials by using quartet structure generation set. Journal of Alloys and Compounds, 2015, 626, 29-34.	5.5	24
30	Acoustic performance of aluminum foams with semiopen cells. Applied Acoustics, 2015, 87, 103-108.	3.3	38
31	Multilayer-split-tube resonators with low-frequency band gaps in phononic crystals. Journal of Applied Physics, 2014, 116, .	2.5	28