

Guan Dong

List of Publications by Year in descending order

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31
papers

547
citations

623734

14
h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

358
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Achieving Ultrahigh Output Energy Density of Triboelectric Nanogenerators in High-Pressure Gas Environment. <i>Advanced Science</i> , 2020, 7, 2001757. | 11.2 | 59 |
| 2 | A lightweight low-frequency sound insulation membrane-type acoustic metamaterial. <i>AIP Advances</i> , 2016, 6, . | 1.3 | 53 |
| 3 | A universal method for quantitative analysis of triboelectric nanogenerators. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19485-19494. | 10.3 | 44 |
| 4 | Acoustic performance of aluminum foams with semiopen cells. <i>Applied Acoustics</i> , 2015, 87, 103-108. | 3.3 | 38 |
| 5 | Test and simulation the failure characteristics of twin tube shock absorber. <i>Mechanical Systems and Signal Processing</i> , 2019, 122, 707-719. | 8.0 | 36 |
| 6 | Normal contact analysis for spherical pump based on fractal theory. <i>Tribology International</i> , 2018, 124, 117-123. | 5.9 | 34 |
| 7 | Multilayer-split-tube resonators with low-frequency band gaps in phononic crystals. <i>Journal of Applied Physics</i> , 2014, 116, . | 2.5 | 28 |
| 8 | A coplanar-electrode direct-current triboelectric nanogenerator with facile fabrication and stable output. <i>EcoMat</i> , 2020, 2, e12037. | 11.9 | 25 |
| 9 | A statistical method for predicting sound absorbing property of porous metal materials by using quartet structure generation set. <i>Journal of Alloys and Compounds</i> , 2015, 626, 29-34. | 5.5 | 24 |
| 10 | Tangential contact analysis of spherical pump based on fractal theory. <i>Tribology International</i> , 2018, 119, 531-538. | 5.9 | 22 |
| 11 | Application of a Helmholtz structure for low frequency noise reduction. <i>Noise Control Engineering Journal</i> , 2015, 63, 20-35. | 0.3 | 21 |
| 12 | Kinematic modeling, analysis and test on a quiet spherical pump. <i>Journal of Sound and Vibration</i> , 2016, 383, 146-155. | 3.9 | 18 |
| 13 | Sensitivity Analysis of the Surface Acoustic Wave Sensor towards Size-Distributed Particulate Matter. <i>Shock and Vibration</i> , 2020, 2020, 1-10. | 0.6 | 17 |
| 14 | Multifunctional Self-Powered Switch toward Delay-Characteristic Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22873-22880. | 8.0 | 15 |
| 15 | Quantitative characterization of the energy harvesting performance of soft-contact sphere triboelectric nanogenerator. <i>Nano Energy</i> , 2021, 87, 106186. | 16.0 | 15 |
| 16 | Dynamic Interface Pressure Monitoring System for the Morphological Pressure Mapping of Intermittent Pneumatic Compression Therapy. <i>Sensors</i> , 2019, 19, 2881. | 3.8 | 14 |
| 17 | Lubrication regime analysis for spherical pump. <i>Industrial Lubrication and Tribology</i> , 2018, 70, 1437-1446. | 1.3 | 11 |
| 18 | Friction and wear modeling of rotary disc in spherical pump. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 420-425. | 1.3 | 11 |

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|----|--|-----|-----------|
| 19 | Fluid-Structure Coupling Model and Experimental Validation of Interaction Between Pneumatic Soft Actuator and Lower Limb. <i>Soft Robotics</i> , 2020, 7, 627-638. | 8.0 | 11 |
| 20 | Theoretical modeling and optimal matching on the damping property of mechatronic shock absorber with low speed and heavy load capacity. <i>Journal of Sound and Vibration</i> , 2022, 535, 117113. | 3.9 | 11 |
| 21 | Dynamic lubrication analysis for a spherical pump. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2019, 233, 18-29. | 1.8 | 10 |
| 22 | Experimental test and theoretical modeling on the working characteristics of spherical water pump. <i>Flow Measurement and Instrumentation</i> , 2022, 85, 102162. | 2.0 | 8 |
| 23 | Dynamic Contact Analysis of the Piston and Slipper Pair in Axial Piston Pump. <i>Coatings</i> , 2020, 10, 1217. | 2.6 | 7 |
| 24 | Hybrid reliability-based multidisciplinary design optimization with random and interval variables. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2018, 232, 52-64. | 0.7 | 6 |
| 25 | Prediction of sound absorption property of metal rubber using general regression neural network. <i>Noise Control Engineering Journal</i> , 2018, 66, 424-431. | 0.3 | 5 |
| 26 | Lattice Boltzmann simulation of acoustic resistance in microchannels. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550104. | 2.0 | 3 |
| 27 | Theoretical modeling and numerical simulation of dynamic contact characteristics of a spherical pump with variable friction coefficient. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2022, 236, 434-446. | 1.8 | 1 |
| 28 | Heat transfer analysis of solar based grain drying bed. , 2017, , . | | 0 |
| 29 | 3D orbit design for overcoming the dead-point problem in spherical pump based on virtual prototyping. , 2019, , . | | 0 |
| 30 | Hydrostatic Bearing Characteristics Investigation of a Spherical Piston Pair with an Annular Orifice Damper in Spherical Pump. <i>Coatings</i> , 2021, 11, 1007. | 2.6 | 0 |
| 31 | Frictional moment and wear modelling for incomplete spherical pistons in a spherical pump. <i>Industrial Lubrication and Tribology</i> , 2022, 74, 829-836. | 1.3 | 0 |