

Zhijie Xie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2923841/publications.pdf>

Version: 2024-02-01

14
papers

278
citations

1307594

7
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel sweep-type triboelectric nanogenerator utilizing single freewheel for random triggering motion energy harvesting and driver habits monitoring. <i>Nano Energy</i> , 2020, 68, 104360.	16.0	59
2	Cylindrical Direct-Current Triboelectric Nanogenerator with Constant Output Current. <i>Advanced Energy Materials</i> , 2020, 10, 1904227.	19.5	52
3	Triboelectric rotational speed sensor integrated into a bearing: A solid step to industrial application. <i>Extreme Mechanics Letters</i> , 2020, 34, 100595.	4.1	43
4	A high-speed and long-life triboelectric sensor with charge supplement for monitoring the speed and skidding of rolling bearing. <i>Nano Energy</i> , 2022, 92, 106747.	16.0	33
5	Robust Triboelectric Nanogenerator with Ratchet-like Wheel-Based Design for Harvesting of Environmental Energy. <i>Advanced Materials Technologies</i> , 2020, 5, 1900801.	5.8	25
6	Sweep-type triboelectric linear motion sensor with staggered electrode. <i>Extreme Mechanics Letters</i> , 2020, 37, 100713.	4.1	21
7	Design and Optimize of a Novel Segmented Soft Pneumatic Actuator. <i>IEEE Access</i> , 2020, 8, 122304-122313.	4.2	19
8	Docking Strategy for a Space Station Container Docking Device Based on Adaptive Sensing. <i>IEEE Access</i> , 2019, 7, 100867-100880.	4.2	6
9	Rolling bearing fault diagnosis method based on SSAE and softmax classifier with improved K-fold cross-validation. <i>Measurement Science and Technology</i> , 2022, 33, 105110.	2.6	6
10	Analysis Method of the Capture Tolerance Capability for an Orthogonally Distributed Satellite Capture Device. <i>IEEE Access</i> , 2019, 7, 55022-55034.	4.2	5
11	Sliding Triboelectric Circular Motion Sensor with Real-time Hardware Processing. <i>Advanced Materials Technologies</i> , 2021, 6, 2100655.	5.8	5
12	Triboelectric Circular Motion Sensor with Variable Friction Type and its Service Performance Research. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5077-5085.	4.3	2
13	Design and Analysis for a Novel Docking Mechanism with T-type Locking Structure in Space. , 2019, , .		1
14	Modeling of contact load distribution of planetary threaded roller bearing based on deformation coordination. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 5856-5877.	4.7	1