

Yunlai Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2019338/publications.pdf>

Version: 2024-02-01

18
papers

397
citations

1162367

8
h-index

996533

15
g-index

18
all docs

18
docs citations

18
times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	A new standing-wave-type linear ultrasonic motor based on in-plane modes. <i>Ultrasonics</i> , 2011, 51, 397-404.	2.1	118
2	A New Type Butterfly-Shaped Transducer Linear Ultrasonic Motor. <i>Journal of Intelligent Material Systems and Structures</i> , 2011, 22, 567-575.	1.4	78
3	Linear ultrasonic motor with wheel-shaped stator. <i>Sensors and Actuators A: Physical</i> , 2010, 161, 205-209.	2.0	60
4	Simple new ultrasonic piezoelectric actuator for precision linear positioning. <i>Journal of Electroceramics</i> , 2012, 28, 233-239.	0.8	33
5	Contact analysis and modeling of standing wave linear ultrasonic motor. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 1235-1242.	0.4	27
6	Novel linear piezoelectric motor for precision position stage. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2016, 29, 378-385.	1.9	24
7	Investigation on a Linear Piezoelectric Actuator Based on Stick-Slip/Scan Excitation. <i>Actuators</i> , 2021, 10, 39.	1.2	14
8	A Piezoelectric Robotic System for MRI Targeting Assessments of Therapeutics During Dipole Field Navigation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 214-225.	3.7	10
9	Design and Control of a Piezoelectric Actuated Prostate Intervention Robotic System. , 2020, , .		7
10	Transient response model of standing wave piezoelectric linear ultrasonic motor. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 1188-1192.	0.4	5
11	Improvement of Low-Speed Precision Control of a Butterfly-Shaped Linear Ultrasonic Motor. <i>IEEE Access</i> , 2020, 8, 135131-135137.	2.6	5
12	Application of piezoelectric materials in a novel linear ultrasonic motor based on shear-induced vibration mode. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 1191-1195.	0.4	4
13	Poling-Free Hydroxyapatite/Poly lactide Nanogenerator with Improved Piezoelectricity for Energy Harvesting. <i>Micromachines</i> , 2022, 13, 889.	1.4	4
14	Longitudinal Composite-Mode Linear Ultrasonic Motor for Motion Servo System of Probe Station. <i>Actuators</i> , 2020, 9, 111.	1.2	3
15	Development and placement accuracy evaluation of an MR conditional robot for prostate intervention. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1023-1034.	1.6	2
16	A hybrid linear actuator based on screw clamp operation principle: Design and experimental verification. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 1633-1643.	1.4	2
17	Butterfly-shaped linear ultrasonic motor robust control based on Takagi-Sugeno fuzzy systems. , 2014, , .		1
18	Analytical modeling and experimental validation of a butterfly-shaped piezoelectric composite transducer. <i>Archive of Applied Mechanics</i> , 0, , 1.	1.2	0