

Kangkang Lu

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

225
citations

1163117

8
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel XYZ micro/nano positioner with an amplifier based on L-shape levers and half-bridge structure. <i>Sensors and Actuators A: Physical</i> , 2020, 302, 111777.	4.1	50
2	A Spatial Deployable Three-DOF Compliant Nano-Positioner With a Three-Stage Motion Amplification Mechanism. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1322-1334.	5.8	47
3	Monolithically integrated two-axis microgripper for polarization maintaining in optical fiber assembly. <i>Review of Scientific Instruments</i> , 2015, 86, 025105.	1.3	31
4	Design of a novel 3D ultrasonic vibration platform with tunable characteristics. <i>International Journal of Mechanical Sciences</i> , 2020, 186, 105895.	6.7	23
5	Design of a novel 3D tip-based nanofabrication system with high precision depth control capability. <i>International Journal of Mechanical Sciences</i> , 2020, 169, 105328.	6.7	16
6	A monolithic microgripper with high efficiency and high accuracy for optical fiber assembly. , 2014, , .		14
7	Design of a flexure-based mechanism possessing low stiffness and constant force. <i>Review of Scientific Instruments</i> , 2019, 90, .	1.3	14
8	A novel compliant mechanism based system to calibrate spring constant of AFM cantilevers. <i>Sensors and Actuators A: Physical</i> , 2020, 309, 112027.	4.1	13
9	Experimental investigation of the effects of vibration parameters on ultrasonic vibration-assisted tip-based nanofabrication. <i>International Journal of Mechanical Sciences</i> , 2021, 198, 106387.	6.7	9
10	Modeling and control methodology for an XYZ micro manipulator. <i>Review of Scientific Instruments</i> , 2019, 90, .	1.3	6
11	Control and Testing of a Serial-Parallel XYZ Precision Positioner with a Discrete-Time Sliding Model Controller. <i>Lecture Notes in Computer Science</i> , 2019, , 266-276.	1.3	1
12	A Novel XY Nano Positioning Stage with a Three Stage Motion Amplification Mechanism. , 2019, , .		1