

Daniel Ssu-Han Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

211
citations

1478505

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all docs

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docs citations

21
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust resonant controller design for MEMS-based multi-layered prestressed piezoelectric cantilever beam. <i>Sensors and Actuators A: Physical</i> , 2022, 341, 113556.	4.1	5
2	Modelling and Experimental Validation of Piezoelectrically Driven Micro-Lens Actuator. , 2021, , .		1
3	High Resolution, High Frequency Ultrasonic Ranging in Air with pMUTs. , 2021, , .		11
4	Silicon-On-Nothing ScAlN pMUTs. , 2021, , .		12
5	An On-Chip 2-D DFT Accelerator Ultrasonic Wavefront for Convolutional Neural Networks. , 2021, , .		6
6	Enhancing out-of-plane stroke in piezoelectrically driven micro-lens actuator with residual stress control. <i>Sensors and Actuators A: Physical</i> , 2020, 303, 111620.	4.1	10
7	Dynamic Performance Improvement of Piezoelectrically Driven Micro-Lens Actuators. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 1418-1420.	2.5	10
8	Single and bundled carbon nanofibers as ultralightweight and flexible piezoresistive sensors. <i>Npj Flexible Electronics</i> , 2020, 4, .	10.7	30
9	A Resonant Controller Design of Piezo-electrically Driven Micro-lens Actuator. , 2020, , .		3
10	Design and Modeling of Piezoelectrically Driven Micro-Actuator With Large Out-of-Plane and Low Driving Voltage for Micro-Optics. <i>Journal of Microelectromechanical Systems</i> , 2019, 28, 919-932.	2.5	24
11	Nature-Inspired Self-Powered Sensors and Energy Harvesters. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019, , 61-81.	0.4	3
12	A Novel High Performance Piezoelectrically Driven Microlens Actuator for Micro-Optics Applications. , 2019, , .		0
13	Flexible Graphitized Polyacrylonitrile Nanofiber Bundles for Strain Sensors. , 2018, , .		3
14	A Fast Response MEMS Piezoelectric Microlens Actuator with Large Stroke and Low Driving Voltage. , 2018, , .		7
15	Characterization of single polyvinylidene fluoride (PVDF) nanofiber for flow sensing applications. <i>AIP Advances</i> , 2017, 7, .	1.3	74
16	Enabling PZT bimorph actuator with passive polysilicon structure. <i>Electronics Letters</i> , 2017, 53, 1373-1375.	1.0	1
17	Feedback Driven Fast Piezoelectric Micro-lens Actuator. <i>Procedia Engineering</i> , 2016, 168, 1492-1495.	1.2	2
18	E-beam Evaporated Polysilicon for Lead Zirconate Titanate-Based Micro-Actuators. <i>IEEE Electron Device Letters</i> , 2016, 37, 1347-1350.	3.9	9

#	ARTICLE	IF	CITATIONS
19	Misalignment tolerant efficient inverse taper coupler for silicon waveguide. , 2015, , .		0
20	Design and simulation of piezoelectric PZT micro-actuators with integrated piezoresistive displacement sensors for micro-optics applications. Proceedings of SPIE, 2015, , .	0.8	0
21	Fabrication of Bimorph PZT Micro-Actuators with Passive Polysilicon Structure. , 0, , .		0