

# Daniel Ssu-Han Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7567268/publications.pdf>

Version: 2024-02-01

21  
papers

211  
citations

1478505

6  
h-index

1372567

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of single polyvinylidene fluoride (PVDF) nanofiber for flow sensing applications. AIP Advances, 2017, 7, .	1.3	74
2	Single and bundled carbon nanofibers as ultralightweight and flexible piezoresistive sensors. Npj Flexible Electronics, 2020, 4, .	10.7	30
3	Design and Modeling of Piezoelectrically Driven Micro-Actuator With Large Out-of-Plane and Low Driving Voltage for Micro-Optics. Journal of Microelectromechanical Systems, 2019, 28, 919-932.	2.5	24
4	Silicon-On-Nothing ScAlN pMUTs. , 2021, , .		12
5	High Resolution, High Frequency Ultrasonic Ranging in Air with pMUTs. , 2021, , .		11
6	Enhancing out-of-plane stroke in piezoelectrically driven micro-lens actuator with residual stress control. Sensors and Actuators A: Physical, 2020, 303, 111620.	4.1	10
7	Dynamic Performance Improvement of Piezoelectrically Driven Micro-Lens Actuators. Journal of Microelectromechanical Systems, 2020, 29, 1418-1420.	2.5	10
8	E-beam Evaporated Polysilicon for Lead Zirconate Titanate-Based Micro-Actuators. IEEE Electron Device Letters, 2016, 37, 1347-1350.	3.9	9
9	A Fast Response MEMS Piezoelectric Microlens Actuator with Large Stroke and Low Driving Voltage. , 2018, , .		7
10	An On-Chip 2-D DFT Accelerator Ultrasonic Wavefront for Convolutional Neural Networks. , 2021, , .		6
11	A robust resonant controller design for MEMS-based multi-layered prestressed piezoelectric cantilever beam. Sensors and Actuators A: Physical, 2022, 341, 113556.	4.1	5
12	Flexible Graphitized Polyacrylonitrile Nanofiber Bundles for Strain Sensors. , 2018, , .		3
13	Nature-Inspired Self-Powered Sensors and Energy Harvesters. SpringerBriefs in Applied Sciences and Technology, 2019, , 61-81.	0.4	3
14	A Resonant Controller Design of Piezo-electrically Driven Micro-lens Actuator. , 2020, , .		3
15	Feedback Driven Fast Piezoelectric Micro-lens Actuator. Procedia Engineering, 2016, 168, 1492-1495.	1.2	2
16	Enabling PZT bimorph actuator with passive polysilicon structure. Electronics Letters, 2017, 53, 1373-1375.	1.0	1
17	Modelling and Experimental Validation of Piezoelectrically Driven Micro-Lens Actuator. , 2021, , .		1
18	Misalignment tolerant efficient inverse taper coupler for silicon waveguide. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Design and simulation of piezoelectric PZT micro-actuators with integrated piezoresistive displacement sensors for micro-optics applications. Proceedings of SPIE, 2015, , .	0.8	0
20	A Novel High Performance Piezoelectrically Driven Microlens Actuator for Micro-Optics Applications. , 2019, , .		0
21	&lt;span&gt;Fabrication of Bimorph PZT Micro-Actuators with Passive Polysilicon Structure&lt;/span&gt;, 0, , .		0