

# Yuming Fang

## List of Publications by Year in descending order

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28  
papers

413  
citations

759233

12  
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752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrostatic pull-in application in flexible devices: A review. Beilstein Journal of Nanotechnology, 2022, 13, 390-403.	2.8	2
2	Design and simulation of a frequency self-tuning vibration energy harvester for rotational applications. Microsystem Technologies, 2021, 27, 2857-2862.	2.0	4
3	Thermoelastic damping in rectangular microplate/nanoplate resonators based on modified nonlocal strain gradient theory and nonlocal heat conductive law. Journal of Thermal Stresses, 2021, 44, 690-714.	2.0	20
4	A generalized methodology for thermoelastic damping in axisymmetric vibration of circular plate resonators covered by multiple partial coatings. Thin-Walled Structures, 2021, 162, 107576.	5.3	10
5	A Wideband Termination Based on Laser-Scribed Lossy Microstrip Line Structures. Applied Sciences (Switzerland), 2021, 11, 6960.	2.5	3
6	Electrically tunable liquid crystal coplanar waveguide stepped-impedance resonator. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1270-1276.	2.6	3
7	Influence of Microcracks on Silver/Polydimethylsiloxane-Based Flexible Microstrip Transmission Lines. Applied Sciences (Switzerland), 2021, 11, 5.	2.5	9
8	Thermoelastic damping in flexural vibration of bilayered microbeams with circular cross-section. Applied Mathematical Modelling, 2020, 77, 1129-1147.	4.2	15
9	Thermoelastic damping in bilayer microbeam resonators with two-dimensional heat conduction. International Journal of Mechanical Sciences, 2020, 167, 105245.	6.7	16
10	Thermoelastic Damping in the Flexural Vibration of Bilayered Microbeam Resonators with Annular Cross-Section. , 2020, , .		0
11	Multiple-Relaxation-Time Lattice Boltzmann Model for Squeeze Film Air Damping of Large Knudsen Number in MEMS. , 2020, , .		1
12	Thermoelastic damping in nanobeam resonators based on effective nonlocal stress model. , 2020, , .		1
13	Laser-Scribed Lossy Microstrip Lines for Radio Frequency Applications. Applied Sciences (Switzerland), 2019, 9, 415.	2.5	15
14	Analytical model of squeeze film air damping of perforated plates in the free molecular regime. Microsystem Technologies, 2019, 25, 1753-1761.	2.0	3
15	Thermoelastic Damping in Bilayered Microbeam Resonators with Annular-cross Section. , 2019, , .		0
16	Analysis of Squeeze Film Air Damping with Lattice Boltzmann Method in Transition Regime. , 2019, , .		0
17	Design and optimization of a trapezoidal beam array energy harvester with operating wide speed rang for TPMS application. Microsystem Technologies, 2019, 25, 2869-2879.	2.0	4
18	A MEMS based piezoelectric vibration energy harvester for fault monitoring system. Microsystem Technologies, 2018, 24, 3637-3644.	2.0	14

#	ARTICLE	IF	CITATIONS
19	Thermoelastic damping in rectangular microplate resonators with three-dimensional heat conduction. <i>International Journal of Mechanical Sciences</i> , 2017, 133, 578-589.	6.7	36
20	Thermoelastic Damping in Asymmetric Three-Layered Microbeam Resonators. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	18
21	Squeeze-film damping of circular microplates vibrating in a tilting motion. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	5
22	Analytical modeling of thermoelastic damping in bilayered microplate resonators. <i>International Journal of Mechanical Sciences</i> , 2016, 106, 128-137.	6.7	42
23	Thermoelastic damping in microrings with circular cross-section. <i>Journal of Sound and Vibration</i> , 2016, 361, 341-354.	3.9	39
24	Thermoelastic damping in torsion microresonators with coupling effect between torsion and bending. <i>Journal of Sound and Vibration</i> , 2014, 333, 1509-1525.	3.9	12
25	A numerical molecular dynamics approach for squeeze-film damping of perforated MEMS structures in the free molecular regime. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 759-772.	2.2	9
26	Thermoelastic Damping in the Axisymmetric Vibration of Circular Microplate Resonators with Two-Dimensional Heat Conduction. <i>Journal of Thermal Stresses</i> , 2013, 36, 830-850.	2.0	25
27	Thermoelastic damping in rectangular and circular microplate resonators. <i>Journal of Sound and Vibration</i> , 2012, 331, 721-733.	3.9	104
28	A Wavelet Interpolation Galerkin Method for the Simulation of MEMS Devices under the Effect of Squeeze Film Damping. <i>Mathematical Problems in Engineering</i> , 2010, 2010, 1-25.	1.1	3