

# Yuming Fang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

413  
citations

759233

12  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelastic damping in rectangular and circular microplate resonators. <i>Journal of Sound and Vibration</i> , 2012, 331, 721-733.	3.9	104
2	Analytical modeling of thermoelastic damping in bilayered microplate resonators. <i>International Journal of Mechanical Sciences</i> , 2016, 106, 128-137.	6.7	42
3	Thermoelastic damping in microrings with circular cross-section. <i>Journal of Sound and Vibration</i> , 2016, 361, 341-354.	3.9	39
4	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
5	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
6	Thermoelastic damping in rectangular microplate/nanoplate resonators based on modified nonlocal strain gradient theory and nonlocal heat conductive law. <i>Journal of Thermal Stresses</i> , 2021, 44, 690-714.	2.0	20
7	Thermoelastic Damping in Asymmetric Three-Layered Microbeam Resonators. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	18
8	Thermoelastic damping in bilayer microbeam resonators with two-dimensional heat conduction. <i>International Journal of Mechanical Sciences</i> , 2020, 167, 105245.	6.7	16
9	Laser-Scribed Lossy Microstrip Lines for Radio Frequency Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 415.	2.5	15
10	Thermoelastic damping in flexural vibration of bilayered microbeams with circular cross-section. <i>Applied Mathematical Modelling</i> , 2020, 77, 1129-1147.	4.2	15
11	A MEMS based piezoelectric vibration energy harvester for fault monitoring system. <i>Microsystem Technologies</i> , 2018, 24, 3637-3644.	2.0	14
12	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
13	A generalized methodology for thermoelastic damping in axisymmetric vibration of circular plate resonators covered by multiple partial coatings. <i>Thin-Walled Structures</i> , 2021, 162, 107576.	5.3	10
14	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
15	Influence of Microcracks on Silver/Polydimethylsiloxane-Based Flexible Microstrip Transmission Lines. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5.	2.5	9
16	Squeeze-film damping of circular microplates vibrating in a tilting motion. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	5
17	Design and optimization of a trapezoidal beam array energy harvester with operating wide speed rang for TPMS application. <i>Microsystem Technologies</i> , 2019, 25, 2869-2879.	2.0	4
18	Design and simulation of a frequency self-tuning vibration energy harvester for rotational applications. <i>Microsystem Technologies</i> , 2021, 27, 2857-2862.	2.0	4

#	ARTICLE	IF	CITATIONS
19	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
20	Analytical model of squeeze film air damping of perforated plates in the free molecular regime. <i>Microsystem Technologies</i> , 2019, 25, 1753-1761.	2.0	3
21	A Wideband Termination Based on Laser-Scribed Lossy Microstrip Line Structures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6960.	2.5	3
22	Electrically tunable liquid crystal coplanar waveguide stepped-impedance resonator. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021, 22, 1270-1276.	2.6	3
23	Electrostatic pull-in application in flexible devices: A review. <i>Beilstein Journal of Nanotechnology</i> , 2022, 13, 390-403.	2.8	2
24	Multiple-Relaxation-Time Lattice Boltzmann Model for Squeeze Film Air Damping of Large Knudsen Number in MEMS. , 2020, , .		1
25	Thermoelastic damping in nanobeam resonators based on effective nonlocal stress model. , 2020, , .		1
26	Thermoelastic Damping in Bilayered Microbeam Resonators with Annular-cross Section. , 2019, , .		0
27	Analysis of Squeeze Film Air Damping with Lattice Boltzmann Method in Transition Regime. , 2019, , .		0
28	Thermoelastic Damping in the Flexural Vibration of Bilayered Microbeam Resonators with Annular Cross-Section. , 2020, , .		0