Mina Ghanbari

List of Publications by Year
in descending order

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20 papers	136 citations	1307594 7 h-index	1281871 11 g-index
20 all docs	20 docs citations	20 times ranked	69 citing authors

#	Article	IF	Citations
1	On the modeling of a piezoelectrically actuated microsensor for simultaneous measurement of fluids viscosity and density. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1516-1524.	5.0	27
2	Studying thin film damping in a micro-beam resonator based on non-classical theories. Acta Mechanica Sinica/Lixue Xuebao, 2016, 32, 369-379.	3.4	14
3	On the modeling of a piezoellectrically actuated micro-sensor for measurement of microscale fluid physical properties. Applied Physics A: Materials Science and Processing, 2015, 121, 651-663.	2.3	12
4	Study of squeeze film damping in a micro-beam resonator based on micro-polar theory. Latin American Journal of Solids and Structures, 2015, 12, 77-91.	1.0	11
5	A liquid-state high sensitive accelerometer based on a micro-scale liquid marble. Microsystem Technologies, 2020, 26, 617-623.	2.0	11
6	A MEMS-based methodology for measurement of effective density and viscosity of nanofluids. European Journal of Mechanics, B/Fluids, 2021, 86, 67-77.	2.5	11
7	On the Mathematical Modeling of a MEMS-Based Sensor for Simultaneous Measurement of Fluids Viscosity and Density. Sensing and Imaging, 2018, 19, 1.	1.5	9
8	Thermo-vibrational analyses of skin tissue subjected to laser heating source in thermal therapy. Scientific Reports, 2021, 11, 22633.	3.3	7
9	Giant chimney for air ventilation of metropolises. Atmospheric Pollution Research, 2019, 10, 462-473.	3.8	6
10	An electrostatically actuated microsensor for determination of micropolar fluid physical properties. Meccanica, 2020, 55, 2091-2106.	2.0	6
11	Estimating the effective quality factor of a rotary comb-drive microresonator based on a non-classical theory. Microsystem Technologies, 2021, 27, 3533-3543.	2.0	5
12	Modelling Fluid Loss Faults in an Industrial Pressure Sensor. , 2020, , .		4
13	Measurement of a micro-scale fluid physical properties using torsional vibration of a micro shaft. Modelling, Measurement and Control B: Solid and Fluid Mechanics and Thermics, Mechanical Systems, 2018, 87, 257-265.	0.4	3
14	Investigating two-dimensional mechanical and thermal behavior of skin tissue in confronting with various laser irradiation. International Journal of Thermal Sciences, 2022, 172, 107366.	4.9	3
15	Facilitating Displacement of a Micro-scale Liquid Marble Using Electric Fields. Sensing and Imaging, 2019, 20, 1.	1.5	2
16	Studying Torsional Vibration of a Micro-shaft in a Micro-scale Fluid Media based on Non-classical Theories. Latin American Journal of Solids and Structures, 2019, 16, .	1.0	2
17	Application of Solar Chimney for Pest Control in Agricultural Crops. Journal of Biosystems Engineering, 2019, 44, 269-275.	2.5	1
18	Investigating Static and Dynamic Behavior of the Strain Gauge Type Pressure Sensor in Exposure to Thermal Stresses. Arabian Journal for Science and Engineering, 0, , 1.	3.0	1

#	Article	IF	Citations
19	Analyzing the effect of existing bubbles in the interface liquid on the dynamic response of the strain-gauge type pressure sensor. Measurement: Journal of the International Measurement Confederation, 2022, 196, 111255.	5.0	1
20	A MEMS Density-Viscosity Sensor Based on Electrostatically Actuation of a Comb-Drive Structure. , 2020, , .		0