

Abhinav Prasad

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

152
citations

1478505

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1372567

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25
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25
docs citations

25
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	The NEWTON-g Gravity Imager: Toward New Paradigms for Terrain Gravimetry. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	26
2	Monitoring sessile droplet evaporation on a micromechanical device. <i>Analyst, The</i> , 2014, 139, 5538-5546.	3.5	22
3	Simultaneous interrogation of high-Q modes in a piezoelectric-on-silicon micromechanical resonator. <i>Sensors and Actuators A: Physical</i> , 2016, 238, 207-214.	4.1	18
4	Detection of heart-type fatty acid-binding protein (h-FABP) using piezoresistive polymer microcantilevers functionalized by a dry method. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1031-1042.	3.1	16
5	Characterization of mechanical properties of materials using ultrasound broadband spectroscopy. <i>Ultrasonics</i> , 2016, 64, 186-195.	3.9	14
6	Effects of spatial sensitivity on mass sensing with bulk acoustic mode resonators. <i>Sensors and Actuators A: Physical</i> , 2015, 236, 369-379.	4.1	13
7	Particulate mass sensing with piezoelectric bulk acoustic mode resonators. , 2016, , .		11
8	A Portable MEMS Gravimeter for the Detection of the Earth Tides. , 2018, , .		8
9	Solutionâ€Processed Highâ€Performance ZnO Nanoâ€FETs Fabricated with Directâ€Write Electronâ€Beamâ€Lithographyâ€Based Topâ€Down Route. <i>Advanced Electronic Materials</i> , 2021, 7, 2000978.	5.1	5
10	Quantifying Measurement Fluctuations from Stochastic Surface Processes on Sensors with Heterogeneous Sensitivity. <i>Physical Review Applied</i> , 2016, 5, .	3.8	4
11	Detection of phase transition in polyethylene glycol using a multimodal micromechanical acoustic resonator. <i>Applied Physics Letters</i> , 2017, 110, 134101.	3.3	4
12	Studying particulate adsorption by drying droplets on a microfabricated electro-acoustic resonator. , 2014, , .		3
13	Micromechanical piezoelectric-on-silicon BAW resonators for sensing in liquid environments. , 2015, , .		3
14	High-frequency piezoelectric-on-Si MEMS resonator and numerical method for parameter extraction. , 2014, , .		1
15	Investigating biomechanical noise in neuroblastoma cells using the quartz crystal microbalance. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141389.	3.4	1
16	MEMS gravity sensors for imaging density anomalies. , 2018, , .		1
17	A Simulation Study of the Temperature Sensitivity and Impact of Fabrication Tolerances on the Performance of a Geometric Anti-Spring Based MEMS Gravimeter. , 2022, , .		1