

Benyamin Davaji

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5446783/benyamin-davaji-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

226

citations

6

h-index

14

g-index

46

ext. papers

324

ext. citations

5

avg, IF

3.29

L-index

#	Paper	IF	Citations
26	A patterned single layer graphene resistance temperature sensor. <i>Scientific Reports</i> , 2017 , 7, 8811	4.9	75
25	A paper-based calorimetric microfluidics platform for bio-chemical sensing. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 120-6	11.8	45
24	A novel on-chip three-dimensional micromachined calorimeter with fully enclosed and suspended thin-film chamber for thermal characterization of liquid samples. <i>Biomicrofluidics</i> , 2014 , 8, 034101	3.2	17
23	Zero-power sensors with near-zero-power wakeup switches for reliable sensor platforms 2017 ,		14
22	A microfluidic device for thermal particle detection. <i>Microfluidics and Nanofluidics</i> , 2014 , 17, 871-878	2.8	11
21	Vibration Powered RF-Transponder for Sensing Low Frequency Motion Events. <i>Journal of Physics: Conference Series</i> , 2016 , 773, 012034	0.3	7
20	Microscale direct measurement of localized photothermal heating in tissue-mimetic hydrogels. <i>Scientific Reports</i> , 2019 , 9, 6546	4.9	6
19	PZT lateral bimorph based sensor cuboid for near zero power sensor nodes 2017 ,		6
18	Optimization of the Bowtie Gap Geometry for a Maximum Electric Field Enhancement. <i>Plasmonics</i> , 2017 , 12, 287-292	2.4	4
17	Biological small-molecule assays using gradient-based microfluidics. <i>Biosensors and Bioelectronics</i> , 2021 , 178, 113038	11.8	4
16	Temperature-dependent Lowering of Coercive Field in 300 nm Sputtered Ferroelectric Al _{0.70} Sc _{0.30} N 2021 ,		4
15	Zero Power, Tunable Resonant Microphone with Nanowatt Classifier for Wake-Up Sensing 2018 ,		4
14	3-axis MEMS gyroscope calibration stage: Magnetic actuation enabled out-of-plane dither for piezoelectric in-plane calibration 2017 ,		3
13	On-chip detection of gel transition temperature using a novel micro-thermomechanical method. <i>PLoS ONE</i> , 2017 , 12, e0183492	3.7	3
12	Thermal Measurement Techniques in Analytical Microfluidic Devices. <i>Journal of Visualized Experiments</i> , 2015 , e52828	1.6	3
11	In-vivo single cell protein interaction investigation using microfluidic platform 2015 ,		3
10	Towards Realizing the Low-Coercive Field Operation of Sputtered Ferroelectric Sc _x Al _{1-x} N 2021 ,		3

9	3D Printed Pyroelectric Lithium-Niobate High Voltages Source with Pull-in Regulated Output 2020 ,		2
8	Characterization of AlScN on CMOS 2020 ,		2
7	Sputtered AlN Lateral Bimorph: Process Integration Challenges and Opportunities 2020 ,		2
6	NEMS Electrostatic Resonant Near-Zero Power Resistive Contact RF Wake-Up Switch with PT FIB Contact 2019 ,		1
5	Biomimetic MEMS to assist, enhance, and expand human sensory perceptions: a survey on state-of-the-art developments 2011 ,		1
4	Polymer interdigitated pillar electrostatic (PIPE) actuators.. <i>Microsystems and Nanoengineering</i> , 2022 , 8, 18	7.7	1
3	Gradient-Based Microfluidic Platform for One Single Rapid Antimicrobial Susceptibility Testing. <i>ACS Sensors</i> , 2021 , 6, 1560-1571	9.2	1
2	Omnidirectional low frequency energy harvester for wearable applications. <i>Journal of Physics: Conference Series</i> , 2019 , 1407, 012122	0.3	1
1	Hybrid PZT Lateral Bimorphs and 3-D-Printed Spring-Mass Resonators for Batteryless RF Transmission and Vibration Identification. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5009-5022	10.7	1