

Jiushuai Xu

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Dimensional-Nanopatterned Piezoresistive Silicon Microcantilever for Environmental Sensing. , 2022, , 19-47.		2
2	Micromachined Silicon Cantilever Resonator-Based Humidity Sensors for Multifunctional Applications. , 2021, , .		2
3	Enhancement of unsteady frequency responses of electro-thermal resonance MEMS cantilever sensors. Journal of Physics: Conference Series, 2021, 1837, 012003.	0.4	0
4	Fabrication of a microcantilever-based aerosol detector with integrated electrostatic on-chip ultrafine particle separation and collection. Journal of Micromechanics and Microengineering, 2020, 30, 014001.	2.6	9
5	Piezoresistive Microcantilever with SAM-Modified ZnO-Nanorods@Silicon-Nanopillars for Room-Temperature Parts-per-Billion NO ₂ Detection. ACS Applied Nano Materials, 2020, 3, 6609-6620.	5.0	19
6	In-Plane and Out-of-Plane MEMS Piezoresistive Cantilever Sensors for Nanoparticle Mass Detection. Sensors, 2020, 20, 618.	3.8	19
7	Piezoresistive Microcantilevers 3D-Patterned Using Zno-Nanorods@Silicon-Nanopillars for Room-Temperature Ethanol Detection. , 2019, , .		3
8	ZNO Nanostructures Functionalized Piezoresistive Silicon Microcantilever Platform for Portable Gas Sensing. , 2019, , .		2
9	Improvement of frequency responses of an in-plane electro-thermal cantilever sensor for real-time measurement. Journal of Micromechanics and Microengineering, 2019, 29, 124006.	2.6	9
10	Real-Time Frequency Tracking of an Electro-Thermal Piezoresistive Cantilever Resonator with ZnO Nanorods for Chemical Sensing. Chemosensors, 2019, 7, 2.	3.6	19
11	Piezoresistive microcantilevers for humidity sensing. Journal of Micromechanics and Microengineering, 2019, 29, 053003.	2.6	60
12	Strategy toward Miniaturized, Self-out-Readable Resonant Cantilever and Integrated Electrostatic Microchannel Separator for Highly Sensitive Airborne Nanoparticle Detection. Sensors, 2019, 19, 901.	3.8	11
13	Silicon Nanopillars with ZNO Nanorods by Nanosphere Lithography on a Piezoresistive Microcantilever. , 2019, , .		2
14	Phase optimization of thermally actuated piezoresistive resonant MEMS cantilever sensors. Journal of Sensors and Sensor Systems, 2019, 8, 37-48.	0.9	8
15	Silicon Microcantilevers with ZnO Nanorods/Chitosan-SAMs Hybrids on Its Back Surface for Humidity Sensing. Proceedings (mdpi), 2018, 2, .	0.2	7
16	Area-Selective Growth of Aligned ZnO Nanorod Arrays for MEMS Device Applications. Proceedings (mdpi), 2018, 2, .	0.2	11
17	Self-actuating and self-sensing ZNO nanorods/chitosan coated piezoresistive silicon microcantilever for humidit Y sensing. , 2018, , .		7
18	Fabrication of ZnO nanorods and Chitosan@ZnO nanorods on MEMS piezoresistive self-actuating silicon microcantilever for humidity sensing. Sensors and Actuators B: Chemical, 2018, 273, 276-287.	7.8	62

#	ARTICLE	IF	CITATIONS
19	Contact resonance spectroscopy for on-the-machine manufactory monitoring. Sensors and Actuators A: Physical, 2018, 279, 501-508.	4.1	11
20	Fabrication of ZnO Nanorods on MEMS Piezoresistive Silicon Microcantilevers for Environmental Monitoring. Proceedings (mdpi), 2017, 1, .	0.2	15
21	Gravimetric humidity sensor based on ZnO nanorods covered piezoresistive Si microcantilever. , 2017, , .		6
22	Piezoresistive Silicon Cantilever Covered by ZnO Nanorods for Humidity Sensing. Procedia Engineering, 2016, 168, 1114-1117.	1.2	18
23	Comparative Study of Electroless Copper Film on Different Self-Assembled Monolayers Modified ABS Substrate. International Journal of Molecular Sciences, 2014, 15, 6412-6422.	4.1	12