

# Jiushuai Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

314  
citations

840776

11  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

295  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of ZnO nanorods and Chitosan@ZnO nanorods on MEMS piezoresistive self-actuating silicon microcantilever for humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 276-287.	7.8	62
2	Piezoresistive microcantilevers for humidity sensing. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 053003.	2.6	60
3	Real-Time Frequency Tracking of an Electro-Thermal Piezoresistive Cantilever Resonator with ZnO Nanorods for Chemical Sensing. <i>Chemosensors</i> , 2019, 7, 2.	3.6	19
4	Piezoresistive Microcantilever with SAM-Modified ZnO-Nanorods@Silicon-Nanopillars for Room-Temperature Parts-per-Billion NO <sub>2</sub> Detection. <i>ACS Applied Nano Materials</i> , 2020, 3, 6609-6620.	5.0	19
5	In-Plane and Out-of-Plane MEMS Piezoresistive Cantilever Sensors for Nanoparticle Mass Detection. <i>Sensors</i> , 2020, 20, 618.	3.8	19
6	Piezoresistive Silicon Cantilever Covered by ZnO Nanorods for Humidity Sensing. <i>Procedia Engineering</i> , 2016, 168, 1114-1117.	1.2	18
7	Fabrication of ZnO Nanorods on MEMS Piezoresistive Silicon Microcantilevers for Environmental Monitoring. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	15
8	Comparative Study of Electroless Copper Film on Different Self-Assembled Monolayers Modified ABS Substrate. <i>International Journal of Molecular Sciences</i> , 2014, 15, 6412-6422.	4.1	12
9	Area-Selective Growth of Aligned ZnO Nanorod Arrays for MEMS Device Applications. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	11
10	Contact resonance spectroscopy for on-the-machine manufactory monitoring. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 501-508.	4.1	11
11	Strategy toward Miniaturized, Self-out-Readable Resonant Cantilever and Integrated Electrostatic Microchannel Separator for Highly Sensitive Airborne Nanoparticle Detection. <i>Sensors</i> , 2019, 19, 901.	3.8	11
12	Improvement of frequency responses of an in-plane electro-thermal cantilever sensor for real-time measurement. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 124006.	2.6	9
13	Fabrication of a microcantilever-based aerosol detector with integrated electrostatic on-chip ultrafine particle separation and collection. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 014001.	2.6	9
14	Phase optimization of thermally actuated piezoresistive resonant MEMS cantilever sensors. <i>Journal of Sensors and Sensor Systems</i> , 2019, 8, 37-48.	0.9	8
15	Silicon Microcantilevers with ZnO Nanorods/Chitosan-SAMs Hybrids on Its Back Surface for Humidity Sensing. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	7
16	Self-actuating and self-sensing ZNO nanorods/chitosan coated piezoresistive silicon microcantilever for humidit Y sensing. , 2018, , .		7
17	Gravimetric humidity sensor based on ZnO nanorods covered piezoresistive Si microcantilever. , 2017, , .		6
18	Piezoresistive Microcantilevers 3D-Patterned Using Zno-Nanorods@Silicon-Nanopillars for Room-Temperature Ethanol Detection. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	ZNO Nanostructures Functionalized Piezoresistive Silicon Microcantilever Platform for Portable Gas Sensing. , 2019, , .		2
20	Silicon Nanopillars with ZNO Nanorods by Nanosphere Lithography on a Piezoresistive Microcantilever. , 2019, , .		2
21	Micromachined Silicon Cantilever Resonator-Based Humidity Sensors for Multifunctional Applications. , 2021, , .		2
22	Dimensional-Nanopatterned Piezoresistive Silicon Microcantilever for Environmental Sensing. , 2022, , 19-47.		2
23	Enhancement of unsteady frequency responses of electro-thermal resonance MEMS cantilever sensors. Journal of Physics: Conference Series, 2021, 1837, 012003.	0.4	0