

# Zhou Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

227  
citations

1040056

9  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacitive micromachined ultrasound transducers for intravascular ultrasound imaging. <i>Microsystems and Nanoengineering</i> , 2020, 6, 73.	7.0	41
2	Development of a highly sensitive humidity sensor based on the capacitive micromachined ultrasonic transducer. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 39-45.	7.8	31
3	Photoacoustic Imaging with Capacitive Micromachined Ultrasound Transducers: Principles and Developments. <i>Sensors</i> , 2019, 19, 3617.	3.8	26
4	Highly sensitive CMUT-based humidity sensors built with nitride-to-oxide wafer bonding technology. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 123-131.	7.8	23
5	Inkjet-printed CMUT humidity sensors with high sensitivity and low hysteresis. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128920.	7.8	22
6	A high-performance CMUT humidity sensor based on cellulose nanocrystal sensing film. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128596.	7.8	19
7	Development of a Novel CMUT-Based Concentric Dual-Element Ultrasonic Transducer: Design, Fabrication, and Characterization. <i>Journal of Microelectromechanical Systems</i> , 2018, 27, 538-546.	2.5	16
8	Integral sliding mode based optimal composite nonlinear feedback control for a class of systems. <i>Control Theory and Technology</i> , 2014, 12, 139-146.	1.6	13
9	Design and Fabrication of a High-Power Air-Coupled Capacitive Micromachined Ultrasonic Transducer Array With Concentric Annular Cells. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 4636-4643.	3.0	13
10	Trapping, separating, and palpating microbead clusters in droplets and flows using capacitive micromachined ultrasonic transducers (CMUTs). <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 481-488.	7.8	10
11	Continuous momentum management for space station based on LESO. <i>Aerospace Science and Technology</i> , 2018, 72, 364-370.	4.8	9
12	A novel deflection shape function for rectangular capacitive micromachined ultrasonic transducer diaphragms. <i>Sensing and Bio-Sensing Research</i> , 2015, 5, 62-70.	4.2	4
13	Portable and low-cost humidity sensing platform based on quartz crystal microbalance and Arduino. , 2021, , .		0
14	Inkjet-Printed Capacitive Micromachined Ultrasonic Transducer (CMUT) for Moisture Sensing. , 2020, , .		0