

Zhou Zheng

List of Publications by Year in descending order

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