

Darius Virzonis

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

247
citations

1163117

8
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	Air Quality Effects on Human Health and Approaches for Its Assessment through Microfluidic Chips. <i>Genes</i> , 2017, 8, 244.	2.4	75
2	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. <i>Mikrochimica Acta</i> , 2014, 181, 1749-1757.	5.0	29
3	Capacitive micromachined ultrasound transducer (cMUT) for immunosensor design. <i>Analyst</i> , The, 2010, 135, 1531.	3.5	27
4	Greenhouse Gas Molecule CO ₂ Detection Using a Capacitive Micromachined Ultrasound Transducer. <i>Analytical Chemistry</i> , 2016, 88, 6662-6665.	6.5	21
5	CMUT-based biosensor with convolutional neural network signal processing. <i>Ultrasonics</i> , 2019, 99, 105956.	3.9	20
6	Methylated Poly(ethyleneimine) Modified Capacitive Micromachined Ultrasonic Transducer for Measurements of CO ₂ and SO ₂ in Their Mixtures. <i>Sensors</i> , 2019, 19, 3236.	3.8	18
7	CO ₂ and SO ₂ Interactions with Methylated Poly(ethylenimine)-Functionalized Capacitive Micromachined Ultrasonic Transducers (CMUTs): Gas Sensing and Degradation Mechanism. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1150-1161.	4.3	14
8	Deep Q-Learning in Robotics: Improvement of Accuracy and Repeatability. <i>Sensors</i> , 2022, 22, 3911.	3.8	12
9	Acoustical Streaming in Microfluidic CMUT Integrated Chip Controls the Biochemical Interaction Rate. <i>Journal of Microelectromechanical Systems</i> , 2017, 26, 1012-1017.	2.5	8
10	CMUT for high sensitivity greenhouse gas sensing. , 2015, , .		5
11	An Automotive Ferrofluidic Electromagnetic System for Energy Harvesting and Adaptive Damping. <i>Sensors</i> , 2022, 22, 1195.	3.8	4
12	Capacitive micromachined ultrasound transducers (CMUT) for resonant gravimetric immunosensing. , 2014, , .		3
13	Inkjet-Printed Functionalization of CMUT-Based CO ₂ Sensors. <i>Sensors</i> , 2022, 22, 2288.	3.8	3
14	Study of the CMUT operation in microfluidic application. , 2012, , .		2
15	Surface micromachined CMUTs for liquid phase sensing. , 2014, , .		2
16	Application of CMUT as immunosensor. , 2013, , .		1
17	Non-Contact Sensing of Elastic Modulus of the UV Cured Furniture Coatings by the Transverse Acoustical Waves. <i>IEEE Sensors Journal</i> , 2018, 18, 6527-6532.	4.7	1
18	Selective Ultrasonic Gravimetric Sensors Based on Capacitive Micromachined Ultrasound Transducer Structure—A Review. <i>Sensors</i> , 2020, 20, 3554.	3.8	1

#	ARTICLE	IF	CITATIONS
19	An Immunosensing System for Antibody Detection Based on Capacitive Micromachined Ultrasound Transducer Resonance Sensors. Sensor Letters, 2014, 12, 1746-1749.	0.4	1
20	Resistive Pressure Sensor for High-temperature Applications. , 2021, , .		0