

Darius Virzonis

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

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citations

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20
docs citations

20
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	An Automotive Ferrofluidic Electromagnetic System for Energy Harvesting and Adaptive Damping. Sensors, 2022, 22, 1195.	3.8	4
2	Inkjet-Printed Functionalization of CMUT-Based CO ₂ Sensors. Sensors, 2022, 22, 2288.	3.8	3
3	Deep Q-Learning in Robotics: Improvement of Accuracy and Repeatability. Sensors, 2022, 22, 3911.	3.8	12
4	Resistive Pressure Sensor for High-temperature Applications. , 2021, , .		0
5	Selective Ultrasonic Gravimetric Sensors Based on Capacitive Micromachined Ultrasound Transducer Structure—A Review. Sensors, 2020, 20, 3554.	3.8	1
6	CMUT-based biosensor with convolutional neural network signal processing. Ultrasonics, 2019, 99, 105956.	3.9	20
7	Methylated Poly(ethylene)imine Modified Capacitive Micromachined Ultrasonic Transducer for Measurements of CO ₂ and SO ₂ in Their Mixtures. Sensors, 2019, 19, 3236.	3.8	18
8	CO ₂ and SO ₂ Interactions with Methylated Poly(ethylenimine)-Functionalized Capacitive Micromachined Ultrasonic Transducers (CMUTs): Gas Sensing and Degradation Mechanism. ACS Applied Electronic Materials, 2019, 1, 1150-1161.	4.3	14
9	Non-Contact Sensing of Elastic Modulus of the UV Cured Furniture Coatings by the Transverse Acoustical Waves. IEEE Sensors Journal, 2018, 18, 6527-6532.	4.7	1
10	Air Quality Effects on Human Health and Approaches for Its Assessment through Microfluidic Chips. Genes, 2017, 8, 244.	2.4	75
11	Acoustical Streaming in Microfluidic CMUT Integrated Chip Controls the Biochemical Interaction Rate. Journal of Microelectromechanical Systems, 2017, 26, 1012-1017.	2.5	8
12	Greenhouse Gas Molecule CO ₂ Detection Using a Capacitive Micromachined Ultrasound Transducer. Analytical Chemistry, 2016, 88, 6662-6665.	6.5	21
13	CMUT for high sensitivity greenhouse gas sensing. , 2015, , .		5
14	Surface micromachined CMUTs for liquid phase sensing. , 2014, , .		2
15	Capacitive micromachined ultrasound transducers (CMUT) for resonant gravimetric immunosensing. , 2014, , .		3
16	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. Mikrochimica Acta, 2014, 181, 1749-1757.	5.0	29
17	An Immunosensing System for Antibody Detection Based on Capacitive Micromachined Ultrasound Transducer Resonance Sensors. Sensor Letters, 2014, 12, 1746-1749.	0.4	1
18	Application of CMUT as immunosensor. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Study of the CMUT operation in microfluidic application. , 2012, , .		2
20	Capacitive micromachined ultrasound transducer (cMUT) for immunosensor design. Analyst, The, 2010, 135, 1531.	3.5	27