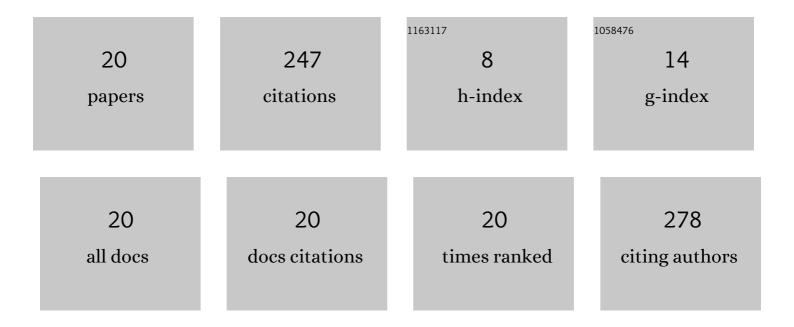
Darius Virzonis

List of Publications by Year in descending order

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DADILIS VIDZONIS

#	Article	IF	CITATIONS
1	Air Quality Effects on Human Health and Approaches for Its Assessment through Microfluidic Chips. Genes, 2017, 8, 244.	2.4	75
2	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. Mikrochimica Acta, 2014, 181, 1749-1757.	5.0	29
3	Capacitive micromachined ultrasound transducer (cMUT) for immunosensor design. Analyst, The, 2010, 135, 1531.	3.5	27
4	Greenhouse Gas Molecule CO ₂ Detection Using a Capacitive Micromachined Ultrasound Transducer. Analytical Chemistry, 2016, 88, 6662-6665.	6.5	21
5	CMUT-based biosensor with convolutional neural network signal processing. Ultrasonics, 2019, 99, 105956.	3.9	20
6	Methylated Poly(ethylene)imine Modified Capacitive Micromachined Ultrasonic Transducer for Measurements of CO2 and SO2 in Their Mixtures. Sensors, 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. ACS Applied Electronic Materials, 2019, 1, 1150-1161.	4.3	14
8	Deep Q-Learning in Robotics: Improvement of Accuracy and Repeatability. Sensors, 2022, 22, 3911.	3.8	12
9	Acoustical Streaming in Microfluidic CMUT Integrated Chip Controls the Biochemical Interaction Rate. Journal of Microelectromechanical Systems, 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. Sensors, 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 CO2 Sensors. Sensors, 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. IEEE Sensors Journal, 2018, 18, 6527-6532.	4.7	1
18	Selective Ultrasonic Gravimetric Sensors Based on Capacitive Micromachined Ultrasound Transducer Structure—A Review. Sensors, 2020, 20, 3554.	3.8	1

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#	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, , .

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