

Dovydas Barauskas

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Inkjet-Printed Functionalization of CMUT-Based CO ₂ Sensors. <i>Sensors</i> , 2022, 22, 2288.	3.8	3
2	Selective Ultrasonic Gravimetric Sensors Based on Capacitive Micromachined Ultrasound Transducer Structure—A Review. <i>Sensors</i> , 2020, 20, 3554.	3.8	1
3	CMUT-based biosensor with convolutional neural network signal processing. <i>Ultrasonics</i> , 2019, 99, 105956.	3.9	20
4	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
5	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
6	Spatially Resolved Product Speciation during Struvite Synthesis from Magnesite (MgCO ₃) Particles in Ammonium (NH ₄ ⁺) and Phosphate (PO ₄ ³⁻) Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8908-8922.	3.1	17
7	Transient Struvite Formation during Stoichiometric (1:1) NH ₄ ⁺ and PO ₄ ³⁻ Adsorption/Reaction on Magnesium Oxide (MgO) Particles. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1545-1556.	6.7	30
8	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
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	Greenhouse Gas Molecule CO ₂ Detection Using a Capacitive Micromachined Ultrasound Transducer. <i>Analytical Chemistry</i> , 2016, 88, 6662-6665.	6.5	21
11	Design, fabrication and testing of surface micromachined CMUTs for surface and interface waves. <i>Elektronika Ir Elektrotechnika</i> , 2016, 22, .	0.8	0
12	CMUT for high sensitivity greenhouse gas sensing. , 2015, , .		5
13	Surface micromachined CMUTs for liquid phase sensing. , 2014, , .		2
14	Capacitive micromachined ultrasound transducers (CMUT) for resonant gravimetric immunosensing. , 2014, , .		3
15	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. <i>Mikrochimica Acta</i> , 2014, 181, 1749-1757.	5.0	29
16	An Immunosensing System for Antibody Detection Based on Capacitive Micromachined Ultrasound Transducer Resonance Sensors. <i>Sensor Letters</i> , 2014, 12, 1746-1749.	0.4	1
17	Capacitive Micromachined Ultrasound Transducer as a Sensor in Microfluidic Environment. <i>Sensor Letters</i> , 2014, 12, 1597-1599.	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