

Bajram Zeqiri

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

496
citations

759233

12
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel sensor for monitoring acoustic cavitation. Part I: Concept, theory, and prototype development. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2003, 50, 1342-1350.	3.0	74
2	The influence of waveform distortion on hydrophone spatial averaging corrections Theory and measurement. <i>Journal of the Acoustical Society of America</i> , 1992, 92, 1809-1821.	1.1	69
3	Measurement and testing of the acoustic properties of materials: a review. <i>Metrologia</i> , 2010, 47, S156-S171.	1.2	54
4	Reference Characterisation of Sound Speed and Attenuation of the IEC Agar-Based Tissue-Mimicking Material Up to a Frequency of 60 MHz. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 317-333.	1.5	50
5	A novel sensor for monitoring acoustic cavitation. Part II: Prototype performance evaluation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2003, 50, 1351-1362.	3.0	46
6	A Novel Pyroelectric Method of Determining Ultrasonic Transducer Output Power: Device Concept, Modeling, and Preliminary Studies. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007, 54, 2318-2330.	3.0	25
7	Ultrasonic parameter measurement as a means of assessing the quality of biodiesel production. <i>Fuel</i> , 2019, 241, 155-163.	6.4	25
8	Errors in attenuation measurements due to nonlinear propagation effects. <i>Journal of the Acoustical Society of America</i> , 1992, 91, 2585-2593.	1.1	21
9	A Polyvinyl Alcohol-Based Thermochromic Material for Ultrasound Therapy Phantoms. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3135-3144.	1.5	21
10	Metrology for ultrasonic applications. <i>Progress in Biophysics and Molecular Biology</i> , 2007, 93, 138-152.	2.9	17
11	Validation of a diffraction correction model for through-transmission substitution measurements of ultrasonic absorption and phase velocity. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 996-1001.	1.1	14
12	Evaluation of a Novel Solid-State Method for Determining the Acoustic Power Generated by Physiotherapy Ultrasound Transducers. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 1513-1527.	1.5	12
13	Quantitative ultrasonic computed tomography using phase-insensitive pyroelectric detectors. <i>Physics in Medicine and Biology</i> , 2013, 58, 5237-5268.	3.0	12
14	An objective comparison of commercially-available cavitation meters. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 354-364.	8.2	11
15	A Copolymer-in-Oil Tissue-Mimicking Material With Tuneable Acoustic and Optical Characteristics for Photoacoustic Imaging Phantoms. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3593-3603.	8.9	10
16	Measurement of the temperature-dependent output of lead zirconate titanate transducers. <i>Ultrasonics</i> , 2021, 114, 106378.	3.9	8
17	The Effect of Curing Temperature and Time on the Acoustic and Optical Properties of PVCP. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 505-512.	3.0	7
18	Pulse Pileup Correction of Signals From a Pyroelectric Sensor for Phase-Insensitive Ultrasound Computed Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 3920-3931.	4.7	4

#	ARTICLE	IF	CITATIONS
19	Phase-Insensitive Ultrasound Tomography of the Attenuation of Breast Phantoms. , 2019, , .		4
20	Development and investigation of the acoustic properties of tissue-mimicking materials for photoacoustic imaging techniques. , 2019, , .		3
21	Ring Artifact Correction for Phase-Insensitive Ultrasound Computed Tomography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 513-525.	3.0	3
22	Calibration of miniature medical ultrasonic hydrophones for frequencies in the range 100 to 500 kHz using an ultrasonically absorbing waveguide. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 765-778.	3.0	2
23	Pyroelectric ultrasound sensor model: directional response. Measurement Science and Technology, 2021, 32, 035106.	2.6	2
24	The importance of temperature control in the operation of high power ultrasound reactors. , 2009, , .		1
25	Measurement of the temperature-dependent speed of sound and change in GrÅ¼neisen parameter of tissue-mimicking materials. , 2019, , .		1
26	Comparison of techniques to characterise the point spread function of an acoustic-resolution photoacoustic microscope. , 2019, , .		0