

# Christian Baker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/574758/publications.pdf>

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14  
papers

114  
citations

1478505

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1372567

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docs citations

14  
times ranked

48  
citing authors

#	ARTICLE	IF	CITATIONS
1	Directivity and Frequency-Dependent Effective Sensitive Element Size of Needle Hydrophones: Predictions From Four Theoretical Forms Compared With Measurements. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1781-1788.	3.0	32
2	Directivity and Frequency-Dependent Effective Sensitive Element Size of Membrane Hydrophones: Theory Versus Experiment. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1723-1730.	3.0	20
3	Hydrophone Spatial Averaging Correction for Acoustic Exposure Measurements From Arraysâ€”Part II: Validation for ARFI and Pulsed Doppler Waveforms. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 376-388.	3.0	15
4	Quantitative ultrasonic computed tomography using phase-insensitive pyroelectric detectors. Physics in Medicine and Biology, 2013, 58, 5237-5268.	3.0	12
5	Correction for Hydrophone Spatial Averaging Artifacts for Circular Sources. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2674-2691.	3.0	12
6	Spatiotemporal Deconvolution of Hydrophone Response for Linear and Nonlinear Beamsâ€”Part II: Experimental Validation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1257-1267.	3.0	6
7	Pulse Pileup Correction of Signals From a Pyroelectric Sensor for Phase-Insensitive Ultrasound Computed Tomography. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3920-3931.	4.7	4
8	Phase-Insensitive Ultrasound Tomography of the Attenuation of Breast Phantoms. , 2019, , .		4
9	Ring Artifact Correction for Phase-Insensitive Ultrasound Computed Tomography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 513-525.	3.0	3
10	Pyroelectric ultrasound sensor model: directional response. Measurement Science and Technology, 2021, 32, 035106.	2.6	2
11	Bulk calibration method of micro-electromechanical system (MEMS) microphones. Journal of the Acoustical Society of America, 2021, 150, 1402-1410.	1.1	1
12	Hydrophone Spatial Averaging Artifacts for Pulsed Doppler Beams from Array Transducers. , 2020, , .		1
13	Hydrophone Spatial Averaging Artifacts for ARFI Beams from Array Transducers. , 2020, , .		1
14	Correction for Spatial Averaging Artifacts for Circularly-Symmetric Pressure Beams Measured with Membrane Hydrophones. , 2020, , .		1