

Diya Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultrasound Contrast Plane Wave Imaging Based on Bubble Wavelet Transform: In Vitro and In Vivo Validations. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1584-1597.	0.7	20
2	Delay multiply and sum beamforming method applied to enhance linear array passive acoustic mapping of ultrasound cavitation. <i>Medical Physics</i> , 2019, 46, 4441-4454.	1.6	10
3	Influence of Guided Waves in Tibia on Non-linear Scattering of Contrast Agents. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 561-573.	0.7	9
4	Abdominal parametric perfusion imaging with respiratory motion-compensation based on contrast-enhanced ultrasound: In-vivo validation. <i>Computerized Medical Imaging and Graphics</i> , 2018, 65, 11-21.	3.5	9
5	Bubble Echo based deconvolution of contrast-enhanced ultrasound imaging: Simulation and experimental validations. <i>Medical Physics</i> , 2018, 45, 4094-4103.	1.6	8
6	DCEUS-based focal parametric perfusion imaging of microvessel with single-pixel resolution and high contrast. <i>Ultrasonics</i> , 2018, 84, 392-403.	2.1	7
7	Numerical and experimental investigation of impacts of nonlinear scattering encapsulated microbubbles on Nakagami distribution. <i>Medical Physics</i> , 2019, 46, 5467-5477.	1.6	7
8	In vitro evaluation of accuracy of dynamic contrast-enhanced ultrasound (DCEUS)-based parametric perfusion imaging with respiratory motion compensation. <i>Medical Physics</i> , 2018, 45, 2119-2128.	1.6	6
9	Accuracy of speckle tracking in the context of stress echocardiography in short axis view: An in vitro validation study. <i>PLoS ONE</i> , 2018, 13, e0193805.	1.1	6
10	DCEUS-based multiparametric perfusion imaging using pulse inversion Bubblelet decorrelation. <i>Medical Physics</i> , 2018, 45, 2509-2517.	1.6	5
11	In vivo Nakagami-m parametric imaging of microbubble-enhanced ultrasound regulated by RF and VF processing techniques. <i>Medical Physics</i> , 2020, 47, 5659-5668.	1.6	5
12	Parametric perfusion imaging with single-pixel resolution and high signal to clutter ratio. , 2015, , .		4
13	Evaluation of accuracy of automatic out-of-plane respiratory gating for DCEUS-based quantification using principal component analysis. <i>Computerized Medical Imaging and Graphics</i> , 2018, 70, 155-164.	3.5	4
14	Influence of guided waves in bone on pulse inversion contrast-enhanced ultrasound. <i>Medical Physics</i> , 2019, 46, 3475-3482.	1.6	4
15	Ultrasound contrast plane wave imaging with higher CTR based on pulse inversion bubble wavelet transform. , 2014, , .		3
16	Influences of frequency-dispersive guided waves on contrast-enhanced ultrasound imaging. , 2016, , .		3
17	Ultrasonic concentration imaging of cavitation bubbles using Nakagami statistical model. , 2016, , .		3
18	Dual apodization with cross-correlation combined with robust Capon beamformer applied to ultrasound passive cavitation mapping. <i>Medical Physics</i> , 2020, 47, 2182-2196.	1.6	3

#	ARTICLE	IF	CITATIONS
19	An improved integration sensor of non-invasive blood glucose. , 2014, , .		2
20	Ultrafast myocardial elastography using coherent compounding of diverging waves during simulated stress tests: An in vitro study. , 2017, , .		2
21	Automatic Respiratory Gating Hepatic DCEUS-based Dual-phase Multi-parametric Functional Perfusion Imaging using a Derivative Principal Component Analysis. Theranostics, 2019, 9, 6143-6156.	4.6	2
22	High Contrast Ultrasonic Method With Multi-Spatiotemporal Compounding for Monitoring Catheter-Based Ultrasound Thermal Therapy: Development and Ex Vivo Evaluations. IEEE Transactions on Biomedical Engineering, 2021, 68, 3131-3141.	2.5	2
23	Contrast-enhanced ultrasound imaging with high CTR and improved resolution by bubble-echo based deconvolution. , 2015, , .		1
24	Stiffness Evaluation of Aortic Aneurysms Using an Ultrafast Principal Strain Estimator: In Vitro Validation. , 2018, , .		1
25	Feasibility investigation of logarithmic Nakagami parametric imaging in recovering underestimated perfusion metrics of DCEUS in the uneven acoustic field. Medical Physics, 2022, , .	1.6	1
26	Contrast-based transient flow vector distribution in arterial stenosis based on plane wave bubble wavelet imaging and modified optical flow method. , 2015, , .		0
27	Feasibility and limitation of parametric perfusion imaging based on dynamic contrast-enhanced plane wave imaging. , 2016, , .		0
28	Ultrafast myocardial elastography using coherent compounding of diverging waves during simulated exercise. , 2017, , .		0
29	A fast scheme for renal microvascular perfusion functional imaging: Assessed by an imaging quality evaluation model. Medical Physics, 2019, 46, 738-745.	1.6	0
30	Nakagami-m parametric characterization of contrast-enhanced ultrasound: In vivo validations. , 2020, , .		0
31	Robust Artifacts Suppression in Ultrasound Passive Cavitation Mapping using Multi-apodization with Cross-correlation. , 2020, , .		0
32	Enhanced Hemispherical-array Passive Acoustic Mapping utilizing Dual Apodization with Cross-correlation. , 2020, , .		0