Diya Wang

List of Publications by Year
in descending order

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32	127	1477746 6	1372195 10
papers	citations	h-index	g-index

32	32	32	84
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	In vivo Nakagamiâ€m parametric imaging of microbubbleâ€enhanced ultrasound regulated by RF and VF processing techniques. Medical Physics, 2020, 47, 5659-5668.	1.6	5
4	Nakagami-m parametric characterization of contrast-enhanced ultrasound: In vivo validations. , 2020, , .		0
5	Robust Artifacts Suppression in Ultrasound Passive Cavitation Mapping using Multi-apodization with Cross-correlation. , 2020, , .		0
6	Enhanced Hemispherical-array Passive Acoustic Mapping utilizing Dual Apodization with Cross-correlation. , 2020, , .		0
7	Dual apodization with crossâ€correlation combined with robust Capon beamformer applied to ultrasound passive cavitation mapping. Medical Physics, 2020, 47, 2182-2196.	1.6	3
8	Numerical and experimental investigation of impacts of nonlinear scattering encapsulated microbubbles on Nakagami distribution. Medical Physics, 2019, 46, 5467-5477.	1.6	7
9	Delay multiply and sum beamforming method applied to enhance linearâ€array passive acoustic mapping of ultrasound cavitation. Medical Physics, 2019, 46, 4441-4454.	1.6	10
10	Influence of guided waves in bone on pulseâ€inversion contrastâ€enhanced ultrasound. Medical Physics, 2019, 46, 3475-3482.	1.6	4
11	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
12	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
13	<scp>DCEUS</scp>â€based multiparametric perfusion imaging using pulseâ€inversion Bubblet decorrelation. Medical Physics, 2018, 45, 2509-2517.	1.6	5
14	Inâ€vitro evaluation of accuracy of dynamic contrastâ€enhanced ultrasound (<scp>DCEUS</scp>)â€based parametric perfusion imaging with respiratory motionâ€compensation. Medical Physics, 2018, 45, 2119-2128.	1.6	6
15	Abdominal parametric perfusion imaging with respiratory motion-compensation based on contrast-enhanced ultrasound: In-vivo validation. Computerized Medical Imaging and Graphics, 2018, 65, 11-21.	3.5	9
16	DCEUS-based focal parametric perfusion imaging of microvessel with single-pixel resolution and high contrast. Ultrasonics, 2018, 84, 392-403.	2.1	7
17	Stiffness Evaluation of Aortic Aneurysms Using an Ultrafast Principal Strain Estimator: In Vitro Validation. , 2018, , .		1
18	Evaluation of accuracy of automatic out-of-plane respiratory gating for DCEUS-based quantification using principal component analysis. Computerized Medical Imaging and Graphics, 2018, 70, 155-164.	3.5	4

#	Article	IF	Citations
19	Bubbleâ€echo based deconvolution of contrastâ€enhanced ultrasound imaging: Simulation and experimental validations. Medical Physics, 2018, 45, 4094-4103.	1.6	8
20	Accuracy of speckle tracking in the context of stress echocardiography in short axis view: An in vitro validation study. PLoS ONE, 2018, 13, e0193805.	1.1	6
21	Ultrafast myocardial elastography using coherent compounding of diverging waves during simulated exercise. , 2017, , .		0
22	Ultrafast myocardial elastography using coherent compounding of diverging waves during simulated stress tests: An in vitro study. , 2017, , .		2
23	Influences of frequency-dispersive guided waves on contrast-enhanced ultrasound imaging. , 2016, , .		3
24	Feasibility and limitation of parametric perfusion imaging based on dynamic contrast-enhanced plane wave imaging. , 2016, , .		0
25	Ultrasonic concentration imaging of cavitation bubbles using Nakagami statistical model. , 2016, , .		3
26	Ultrasound Contrast Plane Wave Imaging Based on Bubble Wavelet Transform: InÂVitro and InÂVivo Validations. Ultrasound in Medicine and Biology, 2016, 42, 1584-1597.	0.7	20
27	Influence of Guided Waves in Tibia on Non-linear Scattering ofÂContrast Agents. Ultrasound in Medicine and Biology, 2016, 42, 561-573.	0.7	9
28	Contrast-based transient flow vector distribution in arterial stenosis based on plane wave bubble wavelet imaging and modified optical flow method. , 2015, , .		0
29	Contrast-enhanced ultrasound imaging with high CTR and improved resolution by bubble-echo based deconvolution. , 2015, , .		1
30	Parametric perfusion imaging with single-pixel resolution and high signal to clutter ratio. , 2015, , .		4
31	Ultrasound contrast plane wave imaging with higher CTR based on pulse inversion bubble wavelet transform. , 2014, , .		3
32	An improved integration sensor of non-invasive blood glucose. , 2014, , .		2