Dalong Liu

List of Publications by Year in descending order

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35	446	1162889 8	1281743 11
papers	citations	h-index	g-index

36	36	36	457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-Time 2-D Temperature Imaging Using Ultrasound. IEEE Transactions on Biomedical Engineering, 2010, 57, 12-16.	2.5	150
2	Real-Time Implementation of a Dual-Mode Ultrasound Array System: In Vivo Results. IEEE Transactions on Biomedical Engineering, 2013, 60, 2751-2759.	2.5	51
3	Viscoelastic property measurement in thin tissue constructs using ultrasound. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 368-383.	1.7	42
4	Realtime Control of Multiple-focus Phased Array Heating Patterns Based on Noninvasive Ultrasound Thermography. IEEE Transactions on Biomedical Engineering, 2012, 59, 95-105.	2.5	36
5	Real-Time Ultrasound Thermography and Thermometry [Life Sciences]. IEEE Signal Processing Magazine, 2018, 35, 166-174.	4.6	36
6	In Vivo application and localization of transcranial focused ultrasound using dual-mode ultrasound arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 2031-2042.	1.7	34
7	Feasibility of Targeting Atherosclerotic Plaques by High-Intensityâ€“focused Ultrasound: An In Vivo Study. Journal of Vascular and Interventional Radiology, 2013, 24, 1880-1887.e2.	0.2	23
8	Theoretical study of microbubble dynamics in sonoporation. Ultrasonics, 2015, 61, 136-144.	2.1	9
9	Imaging vascular mechanics using ultrasound: Phantom and in vivo results. , 2010, , .		8
10	Real-time monitoring of thermal and mechanical response to sub-therapeutic HIFU beams in vivo. , 2010, , .		6
11	Simultaneous imaging of tissue motion and flow velocity using 2D phase-coupled speckle tracking. , 2010, , .		5
12	Precision Targeted Ablation of Fine Neurovascular Structures In Vivo Using Dual-mode Ultrasound Arrays. Scientific Reports, 2020, 10, 9249.	1.6	5
13	VISCOELASTIC TISSUE PROPERTY MEASUREMENT USING HIGH FREQUENCY ULTRASOUND. , 2007, , .		4
14	Dual-mode ultrasound arrays for image-guided targeting of atheromatous plaques. , 2012, , .		4
15	Design Principles for Peptideâ€Amphiphileâ€Induced Liposomal Receptorâ€Targeting with Intracellular Thermosensitivity. ChemNanoMat, 2016, 2, 42-48.	1.5	4
16	Three-dimensional image guidance for transcranial focused ultrasound therapy. , 2017, , .		4
17	Wideband Image-Based Transskull Refocusing Using Dual-Mode Ultrasound Arrays. , 2018, , .		4
18	Real-time two-dimensional temperature imaging using ultrasound. , 2009, 2009, 1971-4.		3

#	Article	IF	Citations
19	Real-time 2D Imaging of Thermal and Mechanical Tissue Response to Focused Ultrasound. , 2010, , .		3
20	Real-time monitoring of thermal and mechanical tissue response to modulated phased-array HIFU beams in vivo. , 2012, , .		3
21	Real-time implementation of a dual-mode ultrasound array system: In vivo results. , 2012, , .		3
22	Adaptive lesion formation using dual mode ultrasound array system. AIP Conference Proceedings, 2017, , .	0.3	3
23	Close-loop lesion formation control using multiple-focus dual mode ultrasound array. , 2014, , .		2
24	In vivo transcranial imaging of blood perfusion in rat brain using contrast-enhanced ultrasound. , 2015, , .		2
25	Dereverberation of ultrasound echo data in vascular imaging applications. , 2011, , .		1
26	Transcranial focusing and HIFU beam localization with dual-mode ultrasound arrays. , 2014, , .		1
27	Realtime control of multiple-focus phased array heating patterns based on noninvasive ultrasound thermography. , 2010, , .		0
28	Multiple-frequency phased array pattern synthesis for HIFU surgery. , 2011, , .		0
29	Multiple-frequency phased array patterns for therapeutic ultrasound. , 2012, , .		0
30	Continuous monitoring of pulsed HIFU beams using dual-mode ultrasound array systems. , 2012, , .		0
31	Non-invasive tissue parameter estimation with dual-mode ultrasound arrays. AIP Conference Proceedings, 2017, , .	0.3	0
32	An integrated ultrasound-guided high intensity focused ultrasound system for in-vivo experiment. AIP Conference Proceedings, 2017, , .	0.3	0
33	Non-invasive transcranial surgery with dual-mode ultrasound arrays. AIP Conference Proceedings, 2017, , .	0.3	0
34	Ultrasound imaging using transmit wavefront synthesis: Spatial and frequency diversity approach to compounding. , 2017, , .		0
35	Characterization of Image-based Refocusing for Transcranial Therapies. , 2019, , .		0