Christakis Damianou

List of Publications by Year
in descending order

68	863	566801 15	580395 25
papers	citations	h-index	g-index

68	68	68	623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MR relaxation properties of tissue-mimicking phantoms. Ultrasonics, 2022, 119, 106600.	2.1	17
2	Evaluation of ultrasonic scattering in agar-based phantoms using 3D printed scattering molds. Journal of Ultrasound, 2022, , 1.	0.7	3
3	Investigating atherosclerotic plaque phantoms for ultrasound therapy. Journal of Ultrasound, 2022, 25, 709-720.	0.7	1
4	Robotic system for top to bottom MRgFUS therapy of multiple cancer types. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2364.	1.2	10
5	Experimental evaluation of high intensity focused ultrasound for fat reduction of ex vivo porcine adipose tissue. Journal of Ultrasound, 2022, , 1.	0.7	3
6	Full coverage path planning algorithm for MRgFUS therapy. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2389.	1.2	4
7	Treatment of canine and feline sarcoma using MR-guided focused ultrasound system. Journal of Ultrasound, 2022, 25, 895-904.	0.7	3
8	MR relaxation times of agarâ€based tissueâ€mimicking phantoms. Journal of Applied Clinical Medical Physics, 2022, 23, e213533.	0.8	13
9	Ultrasonic attenuation of canine mammary tumours. Ultrasonics, 2022, 125, 106798.	2.1	0
10	Magnetic Resonance Imagingâ€“Guided Focused Ultrasound Positioning System for Preclinical Studies in Small Animals. Journal of Ultrasound in Medicine, 2021, 40, 1343-1352.	0.8	6
11	Focused ultrasound phantom model for blood brain barrier disruption. Ultrasonics, 2021, 110, 106244.	2.1	3
12	Magnetic resonance imageâ€guided focused ultrasound robotic system for transrectal prostate cancer therapy. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2237.	1.2	13
13	Acoustical properties of 3D printed thermoplastics. Journal of the Acoustical Society of America, 2021, 149, 2854-2864.	0.5	11
14	Simple methods to test the accuracy of MRgFUS robotic systems. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2287.	1.2	8
15	Characterization of a soft tissue-mimicking agar/wood powder material for MRgFUS applications. Ultrasonics, 2021, 113, 106357.	2.1	16
16	Robotic system for magnetic resonance guided focused ultrasound ablation of abdominal cancer. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2299.	1.2	14
17	Experimental evaluation of the near-field and far-field heating of focused ultrasound using the thermal dose concept. Ultrasonics, 2021, 116, 106513.	2.1	8
18	Ultrasound-assisted dilute acid hydrolysis for production of essential oils, pectin and bacterial cellulose via a citrus processing waste biorefinery. Bioresource Technology, 2021, 342, 126010.	4.8	16

#	Article	IF	Citations
19	Ultrasonic attenuation of an agar, silicon dioxide, and evaporated milk gel phantom. Journal of Medical Ultrasound, 2021, 29, 239.	0.2	16
20	A high intensity focused ultrasound system for veterinary oncology applications. Journal of Medical Ultrasound, 2021, 29, 195.	0.2	3
21	Focused ultrasound robotic system for very small bore magnetic resonance imaging. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-9.	1.2	5
22	Magnetic resonance image-guided focused ultrasound robotic system with four computer-controlled axes with endorectal access designed for prostate cancer focal therapy. Digital Medicine, 2020, 6, 32.	0.1	3
23	Magnetic resonance imaging-guided focused ultrasound robotic system with the subject placed in the prone position. Digital Medicine, 2020, 6, 24.	0.1	10
24	Comment on â€œThe Enhancing Effect of Focused Ultrasound on TNK-Tissue Plasminogen Activator-Induced Thrombolysis Using an In Vitro circulating Flow Modelâ€. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 2053.	0.7	0
25	MRIâ€guided frameless biopsy robotic system with the inclusion of unfocused ultrasound transducer for brain cancer ablation. International Journal of Medical Robotics and Computer Assisted Surgery, 2019, 15, e1951.	1.2	14
26	The role of phantoms in magnetic resonance imaging-guided focused ultrasound surgery. Digital Medicine, 2019, 5, 52.	0.1	5
27	MRIâ€compatible breast/rib phantom for evaluating ultrasonic thermal exposures. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1849.	1.2	21
28	The role of three-dimensional printing in magnetic resonance imaging-guided focused ultrasound surgery. Digital Medicine, 2018, 4, 22.	0.1	4
29	Evaluation of a small flat rectangular therapeutic ultrasonic transducer intended for intravascular use. Ultrasonics, 2017, 74, 196-203.	2.1	4
30	MRI-guided coupling for a focused ultrasound system using a top-to-bottom propagation. Journal of Therapeutic Ultrasound, 2017, 5, 6.	2.2	6
31	MRI guided focused ultrasound robotic system for animal experiments. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1804.	1.2	21
32	Amyloid Î² Plaque Reduction With Antibodies Crossing the Bloodâ€Brain Barrier, Which Was Opened in 3 Sessions of Focused Ultrasound in a Rabbit Model. Journal of Ultrasound in Medicine, 2017, 36, 2257-2270.	0.8	37
33	Microbubble-Based Sonothrombolysis Using a Planar Rectangular Ultrasonic Transducer. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 1287-1296.	0.7	7
34	MRI-guided focused ultrasound robotic system for the treatment of bone cancer. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1753.	1.2	18
35	Review of Protocols Used in Ultrasound Thrombolysis. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2447-2469.	0.7	6
36	Acoustic and thermal characterization of agar based phantoms used for evaluating focused ultrasound exposures. Journal of Therapeutic Ultrasound, 2017, 5, 14.	2.2	59

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37	Software that controls a magnetic resonance imaging compatible robotic system for guiding high-intensity focused ultrasound therapy. Digital Medicine, 2017, 3, 123.	0.1	1
38	In Vitro Enzymatic Clot Lysis Using Focused Ultrasound Waves as an Adjunct to Thrombolytic Drug Tenecteplase and in Combination with Microbubbles. Translational Medicine Research, 2017, , 415-439.	0.0	0
39	A multipurpose positioning device for magnetic resonance imaging-guided focused ultrasound surgery. Digital Medicine, 2017, 3, 138.	0.1	4
40	An MRIâ€conditional motion phantom for the evaluation of highâ€intensity focused ultrasound protocols. International Journal of Medical Robotics and Computer Assisted Surgery, 2016, 12, 431-441.	1.2	5
41	In Vitro Evaluation of Focused Ultrasound-Enhanced TNK-Tissue Plasminogen Activator-Mediated Thrombolysis. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1864-1877.	0.7	14
42	Longitudinal imaging of the ageing mouse. Mechanisms of Ageing and Development, 2016, 160, 93-116.	2.2	47
43	The Enhancing Effect of Focused Ultrasound on TNK-Tissue Plasminogen Activator-Induced Thrombolysis Using an In Vitro Circulating Flow Model. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2891-2899.	0.7	10
44	Feasibility study for removing calcified material using a planar rectangular ultrasound transducer. Journal of Ultrasound, 2016, 19, 115-123.	0.7	1
45	MRI-compatible bone phantom for evaluating ultrasonic thermal exposures. Ultrasonics, 2016, 71, 12-19.	2.1	18
46	Evaluation of focused ultrasound algorithms: Issues for reducing pre-focal heating and treatment time. Ultrasonics, 2016, 65, 145-153.	2.1	13
47	MRI guided focused ultrasound robotic system for the treatment of gynaecological tumors. International Journal of Medical Robotics and Computer Assisted Surgery, 2016, 12, 46-52.	1.2	26
48	Amyloid beta plaque reduction with antibodies crossing the blood brain barrier opened with focused ultrasound in a rabbit model. , 2015, , .		0
49	MRI compatible head phantom for ultrasound surgery. Ultrasonics, 2015, 57, 144-152.	2.1	53
50	Removing atherosclerotic plaque created using high cholesterol diet in rabbit using ultrasound. Journal of Therapeutic Ultrasound, 2015, 3, 3.	2.2	9
51	Three-axis MR-conditional robot for high-intensity focused ultrasound for treating prostate diseases transrectally. Journal of Therapeutic Ultrasound, 2015, 3, 2.	2.2	29
52	MRI-guided Sonothrombolysis of Rabbit Carotid Artery. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, e113-e121.	0.7	15
53	MRI-compatible positioning device for guiding a focused ultrasound system for transrectal treatment of prostate cancer. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 745-753.	1.7	25
54	InÂVitro and InÂVivo Evaluation of a Magnetic Resonance Imagingâ€“guided Focused Ultrasound System for Dissolving Clots in Combination with Thrombolytic Drugs. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 1956-1964.	0.7	6

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55	A Prototype MR Compatible Positioning Device for Guiding a Focused Ultrasound System for the Treatment of Abdominal and Thyroid Cancer. International Journal of Monitoring and Surveillance Technologies Research, 2013, 1, 48-60.	0.3	2
56	Sonothrombolysis in Combination with Thrombolytic Drugs in a Rabbit Model Using MRI-Guidance. Engineering, 2013, 05, 352-356.	0.4	6
57	Simulation of the Thermal and Mechanical Effects of a Planar Rectangular High Intensity Ultrasound Transducer to Be Used for Destroying Atherosclerotic Plaque. Engineering, 2013, 05, 347-351.	0.4	1
58	Heart ablation using a planar rectangular high intensity ultrasound transducer and MRI guidance. Ultrasonics, 2012, 52, 821-829.	2.1	8
59	Heart ablation using a planar rectangular high intensity focused ultrasound transducer and MRI guidance. AIP Conference Proceedings, 2011, , .	0.3	0
60	Evaluation of the contrast between tissues and thermal lesions in rabbit in vivo produced by high intensity focused ultrasound using fast spin echo MRI sequences. Journal of Biomedical Science and Engineering, 2011, 04, 51-61.	0.2	7
61	Evaluation of fast spin echo MRI sequence for an MRI guided high intensity focused ultrasound system for in vivo rabbit liver ablation. Journal of Biomedical Science and Engineering, 2010, 03, 241-246.	0.2	3
62	In vitro and in vivo brain ablation created by high-intensity focused ultrasound and monitored by MRI. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1189-1198.	1.7	26
63	Liver ablation using a high intensity focused ultrasound system and MRI guidance. , 2009, , .		1
64	Penetration of high intensity focused ultrasound ex vivo and in vivo rabbit brain using MR imaging. , 2009, , .		0
65	Positioning device for MRI-guided high intensity focused ultrasound system. International Journal of Computer Assisted Radiology and Surgery, 2008, 2, 335-345.	1.7	24
66	High intensity focused ultrasound ablation of kidney guided by MRI. Ultrasound in Medicine and Biology, 2004, 30, 397-404.	0.7	59
67	MRI monitoring of the effect of tissue interfaces in the penetration of high intensity focused ultrasound in kidney in vivo. Ultrasound in Medicine and Biology, 2004, 30, 1209-1215.	0.7	25
68	In vitro and in vivo ablation of porcine renal tissues using high-intensity focused ultrasound. Ultrasound in Medicine and Biology, 2003, 29, 1321-1330.	0.7	37