# Elisa E Konofagou

#### List of Publications by Citations

Source: https://exaly.com/author-pdf/7006663/elisa-e-konofagou-publications-by-citations.pdf

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243<br/>papers7,859<br/>citations54<br/>h-index80<br/>g-index324<br/>ext. papers9,815<br/>ext. citations4.4<br/>avg, IF6.37<br/>L-index

#	Paper	IF	Citations
243	A new elastographic method for estimation and imaging of lateral displacements, lateral strains, corrected axial strains and Poisson's ratios in tissues. <i>Ultrasound in Medicine and Biology</i> , <b>1998</b> , 24, 1183	3- <b>3</b> 5	345
242	Noninvasive, transcranial and localized opening of the blood-brain barrier using focused ultrasound in mice. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 95-104	3.5	249
241	Elastography: Imaging the elastic properties of soft tissues with ultrasound. <i>Journal of Medical Ultrasonics (2001)</i> , <b>2002</b> , 29, 155	1.4	225
240	A fast normalized cross-correlation calculation method for motion estimation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control,</i> <b>2010</b> , 57, 1347-57	3.2	215
239	Myocardial elastographya feasibility study in vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2002</b> , 28, 475-82	2 3.5	187
238	Microbubble-size dependence of focused ultrasound-induced blood-brain barrier opening in mice in vivo. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 145-54	5	177
237	In vivo transcranial cavitation threshold detection during ultrasound-induced blood-brain barrier opening in mice. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 6141-55	3.8	162
236	Two-dimensional ultrasonic strain rate measurement of the human heart in vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2002</b> , 49, 281-6	3.2	143
235	Localized harmonic motion imaging: theory, simulations and experiments. <i>Ultrasound in Medicine and Biology</i> , <b>2003</b> , 29, 1405-13	3.5	133
234	The size of blood-brain barrier opening induced by focused ultrasound is dictated by the acoustic pressure. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2014</b> , 34, 1197-204	7.3	132
233	Molecules of various pharmacologically-relevant sizes can cross the ultrasound-induced blood-brain barrier opening in vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2010</b> , 36, 58-67	3.5	125
232	Pulse wave imaging for noninvasive and quantitative measurement of arterial stiffness in vivo. <i>American Journal of Hypertension</i> , <b>2010</b> , 23, 393-8	2.3	117
231	Multi-modality safety assessment of blood-brain barrier opening using focused ultrasound and definity microbubbles: a short-term study. <i>Ultrasound in Medicine and Biology</i> , <b>2010</b> , 36, 1445-59	3.5	116
230	The mechanism of interaction between focused ultrasound and microbubbles in blood-brain barrier opening in mice. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 130, 3059-67	2.2	114
229	Noninvasive and localized neuronal delivery using short ultrasonic pulses and microbubbles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16539-44	11.5	111
228	ECG-gated, mechanical and electromechanical wave imaging of cardiovascular tissues in vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 1075-85	3.5	107
227	Noninvasive, transient and selective blood-brain barrier opening in non-human primates in vivo. <i>PLoS ONE</i> , <b>2011</b> , 6, e22598	3.7	106

## (2015-2015)

226	Long-Term Safety of Repeated Blood-Brain Barrier Opening via Focused Ultrasound with Microbubbles in Non-Human Primates Performing a Cognitive Task. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125911	3.7	101
225	A quantitative pressure and microbubble-size dependence study of focused ultrasound-induced blood-brain barrier opening reversibility in vivo using MRI. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 769-77	4.4	97
224	Noninvasive and localized blood-brain barrier disruption using focused ultrasound can be achieved at short pulse lengths and low pulse repetition frequencies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 725-37	7.3	97
223	Optimization of the ultrasound-induced blood-brain barrier opening. <i>Theranostics</i> , <b>2012</b> , 2, 1223-37	12.1	96
222	Activation of signaling pathways following localized delivery of systemically administered neurotrophic factors across the blood-brain barrier using focused ultrasound and microbubbles. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, N65-81	3.8	89
221	Ultrasound-induced blood-brain barrier opening. Current Pharmaceutical Biotechnology, 2012, 13, 1332-	<b>45</b> 6	88
220	Pulse wave imaging of the human carotid artery: an in vivo feasibility study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2012</b> , 59, 174-81	3.2	87
219	Quantitative viscoelastic parameters measured by harmonic motion imaging. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 3579-94	3.8	87
218	Targeted drug delivery with focused ultrasound-induced blood-brain barrier opening using acoustically-activated nanodroplets. <i>Journal of Controlled Release</i> , <b>2013</b> , 172, 795-804	11.7	82
217	Tissue displacements during acupuncture using ultrasound elastography techniques. <i>Ultrasound in Medicine and Biology</i> , <b>2004</b> , 30, 1173-83	3.5	81
216	A novel noninvasive technique for pulse-wave imaging and characterization of clinically-significant vascular mechanical properties in vivo. <i>Ultrasonic Imaging</i> , <b>2007</b> , 29, 137-54	1.9	79
215	Theoretical quality assessment of myocardial elastography with in vivo validation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2007</b> , 54, 2233-45	3.2	78
214	DDEL-13. FOCUSED ULTRASOUND MEDIATED BLOOD BRAIN BARRIER DISRUPTION IN A MURINE MODEL OF PONTINE GLIOMA: A SAFETY AND FEASIBILITY STUDY. <i>Neuro-Oncology</i> , <b>2020</b> , 22, iii286-iii28	16 <sup>1</sup>	78
213	Pulse wave imaging of normal and aneurysmal abdominal aortas in vivo. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 477-86	11.7	77
212	Feasibility of noninvasive cavitation-guided blood-brain barrier opening using focused ultrasound and microbubbles in nonhuman primates. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 163704	3.4	76
211	Permeability dependence study of the focused ultrasound-induced blood-brain barrier opening at distinct pressures and microbubble diameters using DCE-MRI. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 66, 821-30	4.4	74
210	A composite high-frame-rate system for clinical cardiovascular imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2008</b> , 55, 2221-33	3.2	72
209	Enhanced delivery and bioactivity of the neurturin neurotrophic factor through focused ultrasound-mediated bloodbrain barrier opening in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 611-22	7.3	69

208	Imaging of wall motion coupled with blood flow velocity in the heart and vessels in vivo: a feasibility study. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 980-95	3.5	65
207	Focused ultrasound neuromodulation of cortical and subcortical brain structures using 1.9 MHz. <i>Medical Physics</i> , <b>2016</b> , 43, 5730	4.4	65
206	Myocardial elastography at both high temporal and spatial resolution for the detection of infarcts. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 1206-23	3.5	64
205	A focused ultrasound method for simultaneous diagnostic and therapeutic applicationsa simulation study. <i>Physics in Medicine and Biology</i> , <b>2001</b> , 46, 2967-84	3.8	64
204	Blood-Brain Barrier Opening in Behaving Non-Human Primates via Focused Ultrasound with Systemically Administered Microbubbles. <i>Scientific Reports</i> , <b>2015</b> , 5, 15076	4.9	62
203	Real-time, transcranial monitoring of safe blood-brain barrier opening in non-human primates. <i>PLoS ONE</i> , <b>2014</b> , 9, e84310	3.7	62
202	Numerical study of a simple transcranial focused ultrasound system applied to blood-brain barrier opening. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2010</b> , 57, 2637-53	3.2	62
201	Electromechanical wave imaging for arrhythmias. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, L1-11	3.8	61
200	Electromechanical wave imaging of normal and ischemic hearts in vivo. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 625-35	11.7	61
199	High-frame rate, full-view myocardial elastography with automated contour tracking in murine left ventricles in vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2008</b> , 55, 240-8	3.2	61
198	Dependence of the reversibility of focused- ultrasound-induced blood-brain barrier opening on pressure and pulse length in vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2013</b> , 60, 2257-65	3.2	60
197	3D-Printed Tissue-Mimicking Phantoms for Medical Imaging and Computational Validation Applications. <i>3D Printing and Additive Manufacturing</i> , <b>2014</b> , 1, 14-23	4	60
196	Acoustic cavitation-based monitoring of the reversibility and permeability of ultrasound-induced blood-brain barrier opening. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 9079-94	3.8	59
195	Imaging the electromechanical activity of the heart in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 8565-70	11.5	58
194	Non-invasive peripheral nerve stimulation via focused ultrasound in vivo. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 035011	3.8	58
193	Transcranial cavitation detection in primates during blood-brain barrier openinga performance assessment study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2014</b> , 61, 966-	78 <sup>.2</sup>	57
192	Noninvasive and transient blood-brain barrier opening in the hippocampus of Alzheimer's double transgenic mice using focused ultrasound. <i>Ultrasonic Imaging</i> , <b>2008</b> , 30, 189-200	1.9	57
191	Quo vadis elasticity imaging?. <i>Ultrasonics</i> , <b>2004</b> , 42, 331-6	3.5	56

# (2014-2014)

190	Microbubble type and distribution dependence of focused ultrasound-induced blood-brain barrier opening. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 130-7	3.5	54
189	Pulse wave imaging in normal, hypertensive and aneurysmal human aortas in vivo: a feasibility study. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 4549-62	3.8	51
188	Efficient Blood-Brain Barrier Opening in Primates with Neuronavigation-Guided Ultrasound and Real-Time Acoustic Mapping. <i>Scientific Reports</i> , <b>2018</b> , 8, 7978	4.9	50
187	Effects of various parameters on lateral displacement estimation in ultrasound elastography. <i>Ultrasound in Medicine and Biology</i> , <b>2009</b> , 35, 1352-66	3.5	49
186	Identifying the inertial cavitation threshold and skull effects in a vessel phantom using focused ultrasound and microbubbles. <i>Ultrasound in Medicine and Biology</i> , <b>2010</b> , 36, 840-52	3.5	49
185	A clinical feasibility study of atrial and ventricular electromechanical wave imaging. <i>Heart Rhythm</i> , <b>2013</b> , 10, 856-62	6.7	45
184	Mapping of cardiac electrical activation with electromechanical wave imaging: an in silico-in vivo reciprocity study. <i>Heart Rhythm</i> , <b>2011</b> , 8, 752-9	6.7	43
183	In vivo study of myocardial elastography under graded ischemia conditions. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 1155-72	3.8	43
182	Effects of the microbubble shell physicochemical properties on ultrasound-mediated drug delivery to the brain. <i>Journal of Controlled Release</i> , <b>2015</b> , 212, 30-40	11.7	42
181	Preliminary validation of angle-independent myocardial elastography using MR tagging in a clinical setting. <i>Ultrasound in Medicine and Biology</i> , <b>2008</b> , 34, 1980-97	3.5	41
180	Elastographic imaging of the normal canine prostate in vitro. <i>Ultrasonic Imaging</i> , <b>1999</b> , 21, 201-15	1.9	40
179	Single-element focused ultrasound transducer method for harmonic motion imaging. <i>Ultrasonic Imaging</i> , <b>2006</b> , 28, 144-58	1.9	39
178	In vivo feasibility of real-time monitoring of focused ultrasound surgery (FUS) using harmonic motion imaging (HMI). <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 7-11	5	38
177	Focused ultrasound-enhanced intranasal brain delivery of brain-derived neurotrophic factor. <i>Scientific Reports</i> , <b>2016</b> , 6, 28599	4.9	38
176	Non-invasive, Focused Ultrasound-Facilitated Gene Delivery for Optogenetics. <i>Scientific Reports</i> , <b>2017</b> , 7, 39955	4.9	37
175	Piecewise Pulse Wave Imaging (pPWI) for Detection and Monitoring of Focal Vascular Disease in Murine Aortas and Carotids In Vivo. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 13-28	11.7	35
174	Characterizing Focused-Ultrasound Mediated Drug Delivery to the Heterogeneous Primate Brain In Vivo with Acoustic Monitoring. <i>Scientific Reports</i> , <b>2016</b> , 6, 37094	4.9	33
173	A new brain drug delivery strategy: focused ultrasound-enhanced intranasal drug delivery. <i>PLoS ONE</i> , <b>2014</b> , 9, e108880	3.7	33

172	Unilateral Focused Ultrasound-Induced Blood-Brain Barrier Opening Reduces Phosphorylated Tau from The rTg4510 Mouse Model. <i>Theranostics</i> , <b>2019</b> , 9, 5396-5411	12.1	32
171	Physiologic cardiovascular strain and intrinsic wave imaging. <i>Annual Review of Biomedical Engineering</i> , <b>2011</b> , 13, 477-505	12	31
170	Performance assessment of HIFU lesion detection by harmonic motion imaging for focused ultrasound (HMIFU): a 3-D finite-element-based framework with experimental validation. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 2013-27	3.5	31
169	Amelioration of the nigrostriatal pathway facilitated by ultrasound-mediated neurotrophic delivery in early Parkinson's disease. <i>Journal of Controlled Release</i> , <b>2019</b> , 303, 289-301	11.7	30
168	Noninvasive electromechanical wave imaging and conduction-relevant velocity estimation in vivo. <i>Ultrasonics</i> , <b>2010</b> , 50, 208-15	3.5	30
167	The temperature dependence of ultrasound-stimulated acoustic emission. <i>Ultrasound in Medicine and Biology</i> , <b>2002</b> , 28, 331-8	3.5	30
166	The use of ultrasound-stimulated acoustic emission in the monitoring of modulus changes with temperature. <i>Ultrasonics</i> , <b>2003</b> , 41, 337-45	3.5	30
165	A Clinical System for Non-invasive Blood-Brain Barrier Opening Using a Neuronavigation-Guided Single-Element Focused Ultrasound Transducer. <i>Ultrasound in Medicine and Biology</i> , <b>2020</b> , 46, 73-89	3.5	30
164	Cardiac Strain Imaging With Coherent Compounding of Diverging Waves. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1212-1222	3.2	29
163	3D Quasi-Static Ultrasound Elastography With Plane Wave In Vivo. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 357-365	11.7	29
162	Pulse-wave propagation in straight-geometry vessels for stiffness estimation: theory, simulations, phantoms and in vitro findings. <i>Journal of Biomechanical Engineering</i> , <b>2012</b> , 134, 114502	2.1	29
161	Focused ultrasound-facilitated brain drug delivery using optimized nanodroplets: vaporization efficiency dictates large molecular delivery. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 035002	3.8	27
160	Sparse matrix beamforming and image reconstruction for 2-D HIFU monitoring using harmonic motion imaging for focused ultrasound (HMIFU) with in vitro validation. <i>IEEE Transactions on Medical Imaging</i> , <b>2014</b> , 33, 2107-17	11.7	27
159	Harmonic Motion Imaging (HMI) for Tumor Imaging and Treatment Monitoring. <i>Current Medical Imaging</i> , <b>2012</b> , 8, 16-26	1.2	27
158	An experimental study on the stiffness of size-isolated microbubbles using atomic force microscopy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2013</b> , 60, 524-34	3.2	26
157	Lipid microbubbles as a vehicle for targeted drug delivery using focused ultrasound-induced blood-brain barrier opening. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 1236-1250	7.3	25
156	Electromechanical wave imaging for noninvasive mapping of the 3D electrical activation sequence in canines and humans in vivo. <i>Journal of Biomechanics</i> , <b>2012</b> , 45, 856-64	2.9	25
155	AORTIC PULSE WAVE VELOCITY MEASURED BY PULSE WAVE IMAGING (PWI): A COMPARISON WITH APPLANATION TONOMETRY. <i>Artery Research</i> , <b>2011</b> , 5, 65-71	2.2	25

## (2016-2012)

154	Single-heartbeat electromechanical wave imaging with optimal strain estimation using temporally unequispaced acquisition sequences. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 1095-112	3.8	25	
153	Longitudinal Motor and Behavioral Assessment of Blood-Brain Barrier Opening with Transcranial Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 2270-82	3.5	24	
152	Detection of Aortic Wall Inclusion Using Regional Pulse Wave Propagation and Velocity. <i>Artery Research</i> , <b>2012</b> , 6,	2.2	24	
151	Estimating localized oscillatory tissue motion for assessment of the underlying mechanical modulus. <i>Ultrasonics</i> , <b>2004</b> , 42, 951-6	3.5	24	
150	Targeting Effects on the Volume of the Focused Ultrasound-Induced Blood-Brain Barrier Opening in Nonhuman Primates In Vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 798-810	3.2	23	
149	Monitoring and staging abdominal aortic aneurysm disease with pulse wave imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 2404-14	3.5	22	
148	Intracardiac myocardial elastography in canines and humans in vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2015</b> , 62, 337-49	3.2	22	
147	Using ultrasound to understand acupuncture. Acupuncture needle manipulation and its effect on connective tissue. <i>IEEE Engineering in Medicine and Biology Magazine</i> , <b>2005</b> , 24, 41-6		22	
146	High intensity focused ultrasound (HIFU) focal spot localization using harmonic motion imaging (HMI). <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 5911-24	3.8	21	
145	Focused ultrasound enhanced intranasal delivery of brain derived neurotrophic factor produces neurorestorative effects in a Parkinson's disease mouse model. <i>Scientific Reports</i> , <b>2019</b> , 9, 19402	4.9	21	
144	Pulse wave imaging using coherent compounding in a phantom and in vivo. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 1700-1730	3.8	20	
143	Pharmacokinetic analysis and drug delivery efficiency of the focused ultrasound-induced blood-brain barrier opening in non-human primates. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 37, 273-281	3.3	20	
142	Multi-parametric monitoring and assessment of high-intensity focused ultrasound (HIFU) boiling by harmonic motion imaging for focused ultrasound (HMIFU): an ex vivo feasibility study. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 1121-45	3.8	20	
141	Mapping the longitudinal wall stiffness heterogeneities within intact canine aortas using Pulse Wave Imaging (PWI) ex vivo. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 1866-74	2.9	20	
140	Harmonic motion imaging for abdominal tumor detection and high-intensity focused ultrasound ablation monitoring: an in vivo feasibility study in a transgenic mouse model of pancreatic cancer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2015</b> , 62, 1662-73	3.2	20	
139	Direct brain infusion can be enhanced with focused ultrasound and microbubbles. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 706-714	7.3	19	
138	Electromechanical wave imaging of biologically and electrically paced canine hearts in vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 177-87	3.5	19	
137	Validation of electromechanical wave imaging in a canine model during pacing and sinus rhythm. <i>Heart Rhythm</i> , <b>2016</b> , 13, 2221-2227	6.7	19	

136	3D Myocardial Elastography In Vivo. IEEE Transactions on Medical Imaging, 2017, 36, 618-627	11.7	18
135	Toward a Cognitive Neural Prosthesis Using Focused Ultrasound. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 607	5.1	18
134	Simulation study of amplitude-modulated (AM) harmonic motion imaging (HMI) for stiffness contrast quantification with experimental validation. <i>Ultrasonic Imaging</i> , <b>2010</b> , 32, 154-76	1.9	18
133	Elasticity mapping of murine abdominal organs in vivo using harmonic motion imaging (HMI). <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 5741-54	3.8	17
132	Tumor characterization and treatment monitoring of postsurgical human breast specimens using harmonic motion imaging (HMI). <i>Breast Cancer Research</i> , <b>2016</b> , 18, 46	8.3	16
131	Angle-independent and multi-dimensional myocardial elastographyfrom theory to clinical validation. <i>Ultrasonics</i> , <b>2008</b> , 48, 563-7	3.5	16
130	Application of a sub-0.1-mm implantable mote for in vivo real-time wireless temperature sensing. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	16
129	Non-contact, ultrasound-based indentation method for measuring elastic properties of biological tissues using harmonic motion imaging (HMI). <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 2853-68	3.8	15
128	Ultrasound neuromodulation: mechanisms and the potential of multimodal stimulation for neuronal function assessment. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	15
127	Image-guided focused ultrasound modulates electrically evoked motor neuronal activity in the mouse peripheral nervous system in vivo. <i>Journal of Neural Engineering</i> , <b>2020</b> , 17, 026026	5	15
126	Modulation of Brain Function and Behavior by Focused Ultrasound. <i>Current Behavioral Neuroscience Reports</i> , <b>2018</b> , 5, 153-164	1.7	15
125	Blood-brain barrier opening with focused ultrasound in experimental models of Parkinson's disease. <i>Movement Disorders</i> , <b>2019</b> , 34, 1252-1261	7	15
124	Combining brain perturbation and neuroimaging in non-human primates. <i>NeuroImage</i> , <b>2021</b> , 235, 11801	<b>7</b> .9	15
123	An inverse approach to determining spatially varying arterial compliance using ultrasound imaging. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 5486-507	3.8	15
122	Electromechanical wave imaging (EWI) validation in all four cardiac chambers with 3D electroanatomic mapping in canines in vivo. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 8105-8119	3.8	14
121	Pulse inversion enhances the passive mapping of microbubble-based ultrasound therapy. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 044102	3.4	14
120	ExIVivo characterization of canine liver tissue viscoelasticity after high-intensity focused ultrasound ablation. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 341-50	3.5	14
119	Feasibility and Validation of 4-D Pulse Wave Imaging in Phantoms and In Vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1305-1317	3.2	14

## (2015-2016)

118	The effect of temperature dependent tissue parameters on acoustic radiation force induced displacements. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 7427-7447	3.8	14
117	Pulse Wave Imaging in Carotid Artery Stenosis Human Patients in Vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 353-366	3.5	14
116	Assessing the Stability of Aortic Aneurysms with Pulse Wave Imaging. <i>Radiology</i> , <b>2016</b> , 281, 772-781	20.5	13
115	Imaging the mechanics and electromechanics of the heart. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2006</b> , Suppl, 6648-51		13
114	Focused ultrasound mediated blood-brain barrier opening is safe and feasible in a murine pontine glioma model. <i>Scientific Reports</i> , <b>2021</b> , 11, 6521	4.9	13
113	Focused Ultrasound-Mediated Blood-Brain Barrier Opening Increases Delivery and Efficacy of Etoposide for Glioblastoma Treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 110, 539-550	4	13
112	Fast lesion mapping during HIFU treatment using harmonic motion imaging guided focused ultrasound (HMIgFUS) in vitro and in vivo. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3111-3123	3.8	12
111	Assessing the atrial electromechanical coupling during atrial focal tachycardia, flutter, and fibrillation using electromechanical wave imaging in humans. <i>Computers in Biology and Medicine</i> , <b>2015</b> , 65, 161-7	7	12
110	Displacement Imaging for Focused Ultrasound Peripheral Nerve Neuromodulation. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3391-3402	11.7	12
109	Noninvasive Young's modulus visualization of fibrosis progression and delineation of pancreatic ductal adenocarcinoma (PDAC) tumors using Harmonic Motion Elastography (HME). <i>Theranostics</i> , <b>2020</b> , 10, 4614-4626	12.1	12
108	Time-Domain Simulation of Ultrasound Propagation in a Tissue-Like Medium Based on the Resolution of the Nonlinear Acoustic Constitutive Relations. <i>Acta Acustica United With Acustica</i> , <b>2016</b> , 102, 876-892	1.5	12
107	Ultrasound for the Brain: A Review of Physical and Engineering Principles, and Clinical Applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 6-20	3.2	12
106	Harmonic Motion Imaging of Pancreatic Tumor Stiffness Indicates Disease State and Treatment Response. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 1297-1308	12.9	11
105	Cross-correlation analysis of pulse wave propagation in arteries: in vitro validation and in vivo feasibility. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 115006	3.8	11
104	Bioavailability and cytosolic kinases modulate response to deoxynucleoside therapy in TK2 deficiency. <i>EBioMedicine</i> , <b>2019</b> , 46, 356-367	8.8	11
103	Reproducibility and Angle Independence of Electromechanical Wave Imaging for the Measurement of Electromechanical Activation during Sinus Rhythm in Healthy Humans. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 2256-2268	3.5	11
102	Imaging the Propagation of the Electromechanical Wave in Heart Failure Patients with Cardiac Resynchronization Therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2017</b> , 40, 35-45	1.6	11
101	Radiation-force-based estimation of acoustic attenuation using harmonic motion imaging (HMI) in phantoms and in vitro livers before and after HIFU ablation. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 7499-512	3.8	11

100	Performance assessment of Pulse Wave Imaging using conventional ultrasound in canine aortas and normal human arteries. <i>Artery Research</i> , <b>2015</b> , 11, 19-28	2.2	11
99	Numerical modeling of ultrasound heating for the correction of viscous heating artifacts in soft tissue temperature measurements. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 203702	3.4	10
98	Adaptive Pulse Wave Imaging: Automated Spatial Vessel Wall Inhomogeneity Detection in Phantoms and in-Vivo. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 259-269	11.7	10
97	Evaluation of Coronary Artery Disease Using Myocardial Elastography with Diverging Wave Imaging: Validation against Myocardial Perfusion Imaging and Coronary Angiography. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 893-902	3.5	9
96	Localization of Accessory Pathways In Pediatric Patients With Wolff-Parkinson-White Syndrome Using BD-Rendered Electromechanical Wave Imaging. <i>JACC: Clinical Electrophysiology</i> , <b>2019</b> , 5, 427-437	4.6	9
95	High-intensity focused ultrasound monitoring using harmonic motion imaging for focused ultrasound (HMIFU) under boiling or slow denaturation conditions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2015</b> , 62, 1308-19	3.2	9
94	Quantification of Arterial Wall Inhomogeneity Size, Distribution, and Modulus Contrast Using FSI Numerical Pulse Wave Propagation. <i>Artery Research</i> , <b>2014</b> , 8, 57-65	2.2	9
93	FEASIBILITY STUDY OF A CLINICAL BLOOD-BRAIN BARRIER OPENING ULTRASOUND SYSTEM. <i>Nano LIFE</i> , <b>2010</b> , 1, 309	0.9	9
92	Iterative Curve Fitting of the Bioheat Transfer Equation for Thermocouple-Based Temperature Estimation In Vitro and In Vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 70-80	3.2	9
91	Technical Note: A 3-D rendering algorithm for electromechanical wave imaging of a beating heart. <i>Medical Physics</i> , <b>2017</b> , 44, 4766-4772	4.4	8
90	Differential displacement of soft tissue layers from manual therapy loading. <i>Clinical Biomechanics</i> , <b>2016</b> , 33, 66-72	2.2	8
89	4D cardiac electromechanical activation imaging. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 113, 103382	7	8
88	Performance assessment and optimization of Pulse Wave Imaging (PWI) in ex vivo canine aortas and in vivo normal human arteries. Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International	0.9	8
87	Conference, <b>2012</b> , 2012, 3179-82 Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	8
86	Optimization of Transmit Parameters in Cardiac Strain Imaging With Full and Partial Aperture Coherent Compounding. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2018</b> , 65, 684-696	3.2	7
85	Non-invasive Characterization of Focal Arrhythmia with Electromechanical Wave Imaging in Vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2018</b> , 44, 2241-2249	3.5	7
84	Real-time Monitoring of High Intensity Focused Ultrasound (HIFU) Ablation of In Vitro Canine Livers Using Harmonic Motion Imaging for Focused Ultrasound (HMIFU). <i>Journal of Visualized Experiments</i> , <b>2015</b> , e53050	1.6	7
83	Safety evaluation of a clinical focused ultrasound system for neuronavigation guided blood-brain barrier opening in non-human primates. <i>Scientific Reports</i> , <b>2021</b> , 11, 15043	4.9	7

#### (2010-2020)

82	Temporal stability of lipid-shelled microbubbles during acoustically-mediated blood-brain barrier opening. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	6
81	Cardiac Lesion Mapping In Vivo Using Intracardiac Myocardial Elastography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2018</b> , 65, 14-20	3.2	6
80	Atrial electromechanical cycle length mapping in paced canine hearts in vivo. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2015</b> , 62, 1277-87	3.2	6
79	Arterial wall mechanical inhomogeneity detection and atherosclerotic plaque characterization using high frame rate pulse wave imaging in carotid artery disease patients in vivo. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 025010	3.8	6
78	Energy-based constitutive modelling of local material properties of canine aortas. <i>Royal Society Open Science</i> , <b>2016</b> , 3, 160365	3.3	6
77	Cavitation-modulated inflammatory response following focused ultrasound blood-brain barrier opening. <i>Journal of Controlled Release</i> , <b>2021</b> , 337, 458-471	11.7	6
76	Pressure and microbubble size dependence study of focused ultrasound-induced blood-brain barrier opening reversibility in vivo <b>2012</b> ,		5
75	Noninvasive Evaluation of Varying Pulse Pressures Using Brachial Sphymomanometry, Applanation Tonometry, and Pulse Wave Ultrasound Manometry. <i>Artery Research</i> , <b>2017</b> , 18, 22-28	2.2	4
74	In vivo repeatability of the pulse wave inverse problem in human carotid arteries. <i>Journal of Biomechanics</i> , <b>2017</b> , 64, 136-144	2.9	4
73	Focused Ultrasound Steering for Harmonic Motion Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2018</b> , 65, 292-294	3.2	4
72	Fundamental analysis of lateral displacement estimation quality in ultrasound elastography 2009,		4
71	Focused ultrasound induced-blood-brain barrier opening in mouse brain receiving radiosurgery dose of radiation enhances local delivery of systemic therapy. <i>British Journal of Radiology</i> , <b>2020</b> , 93, 20	190214	1 <sup>4</sup>
70	Assessment of arterial stiffness in periodontitis using a novel pulse wave imaging methodology. Journal of Clinical Periodontology, <b>2017</b> , 44, 502-510	7.7	3
69	Comparison between multi-channel LDV and PWI for measurement of pulse wave velocity in distensible tubes: Towards a new diagnostic technique for detection of arteriosclerosis. <i>Optics and Lasers in Engineering</i> , <b>2017</b> , 97, 41-51	4.6	3
68	Fast qualitative two-dimensional mapping of ultrasound fields with acoustic cavitation-enhanced ultrasound imaging. <i>Journal of the Acoustical Society of America</i> , <b>2019</b> , 146, EL158	2.2	3
67	Noninvasive localization of cardiac arrhythmias using electromechanical wave imaging. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	3
66	High intensity focused ultrasound as a tool for tissue engineering: Application to cartilage. <i>Medical Engineering and Physics</i> , <b>2016</b> , 38, 192-8	2.4	3
65	Simulation of HMIFU (Harmonic Motion Imaging for Focused Ultrasound) with in-vitro validation <b>2010</b> ,		3

64	An all-ultrasound-based system for real-time monitoring and sonication of temperature change and ablation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2006</b> , 2006, 164-7		3
63	Noninvasive Blood-Brain Barrier Opening in Live Mice. AIP Conference Proceedings, 2006,	Ο	3
62	Hyaluronidase reduced edema after experimental traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2020</b> , 40, 2026-2037	7.3	3
61	Harmonic motion imaging of human breast masses: an in vivo clinical feasibility. <i>Scientific Reports</i> , <b>2020</b> , 10, 15254	4.9	3
60	High-Resolution Focused Ultrasound Neuromodulation Induces Limb-Specific Motor Responses in Mice in Vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 998-1013	3.5	3
59	Real-Time Passive Acoustic Mapping Using Sparse Matrix Multiplication. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 164-177	3.2	3
58	Displacement Imaging During Focused Ultrasound Median Nerve Modulation: A Preliminary Study in Human Pain Sensation Mitigation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control,</i> <b>2021</b> , 68, 526-537	3.2	3
57	Technical Note: In vivo Young's modulus mapping of pancreatic ductal adenocarcinoma during HIFU ablation using harmonic motion elastography (HME). <i>Medical Physics</i> , <b>2018</b> , 45, 5244-5250	4.4	3
56	Contrast-Free Detection of Focused Ultrasound-Induced Blood-Brain Barrier Opening Using Diffusion Tensor Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 2499-2508	5	3
55	Electromechanical wave imaging and electromechanical wave velocity estimation in a large animal model of myocardial infarction. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 9341-9356	3.8	2
54	Catheter Ablation Lesion Visualization With Intracardiac Strain Imaging in Canines and Humans. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 1800-1810	3.2	2
53	2017,		2
52	A fast motion and strain estimation method <b>2010</b> ,		2
51	Key parameters for precise lateral displacement estimation in ultrasound elastography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 4407-10	0.9	2
50	Characterization and Optimization of Trans-Blood-Brain Barrier Diffusion In Vivo 2009,		2
49	Feasibility study of a single-element transcranial focused ultrasound system for blood-brain barrier opening <b>2012</b> ,		2
48	Principles of Ultrasound Imaging Modalities <b>2008</b> , 129-149		2
47	Modeling Pulse Wave Propagation Through a Stenotic Artery With Fluid Structure Interaction: A Validation Study Using Ultrasound Pulse Wave Imaging. <i>Journal of Biomechanical Engineering</i> , <b>2021</b> , 143,	2.1	2

46	Focused ultrasound enhances sensorimotor decision-making in monkeys		2
45	Real-Time Positron Emission Tomography Evaluation of Topotecan Brain Kinetics after Ultrasound-Mediated Blood-Brain Barrier Permeability. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	2
44	Imaging of pulse wave propagation coupled with vector flow and wall shear stress mapping in atherosclerotic plaque phantoms and in vivo <b>2019</b> ,		2
43	Transcranial Blood-Brain Barrier Opening and Power Cavitation Imaging Using a Diagnostic Imaging Array <b>2019</b> ,		2
42	Focused ultrasound stimulation of median nerve modulates somatosensory evoked responses <b>2019</b> ,		2
41	Automated Spatial Mechanical Inhomogeneity Detection and Arterial Wall Characterization in Human Atherosclerotic Carotid Arteries In-Vivo <b>2018</b> ,		2
40	Focused Ultrasound Enhanced Intranasal Delivery of Neurotrophic Factors Exhibit Neurorestorative Effects in Parkinson's Disease Mouse Model <b>2018</b> ,		2
39	Electromechanical Wave Imaging With Machine Learning for Automated Isochrone Generation. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 2258-2271	11.7	2
38	Targeting effects on the volume of the focused-ultrasound-induced blood-brain barrier opening in Non-Human Primates in vivo <b>2015</b> ,		1
37	Harmonic motion imaging in abdominal tumor detection and HIFU ablation monitoring: A feasibility study in a transgenic mouse model of pancreatic cancer <b>2014</b> ,		1
36	Multi-parametric monitoring of high intensity focused ultrasound (HIFU) treatment using harmonic motion imaging for focused ultrasound (HMIFU) <b>2012</b> ,		1
35	Localized delivery of the Neurturin (NTN) neurotrophic factor through focused ultrasound - Mediated blood-brain barrier opening <b>2013</b> ,		1
34	Identifying the Inertial Cavitation Pressure Threshold and Skull Effects in a Vessel Phantom Using Focused Ultrasound and Microbubbles <b>2010</b> ,		1
33	The Dependence of the Ultrasound-Induced Blood-Brain Barrier Opening Characteristics on Microbubble Size In Vivo <b>2009</b> ,		1
32	A comprehensive framework for Harmonic Motion Imaging for Focused Ultrasound (HMIFU) with ex vivo validation <b>2011</b> ,		1
31	Non-human primate skull effects on the cavitation detection threshold of FUS-induced blood-brain barrier opening <b>2012</b> ,		1
30	Real-Time Monitoring Of Regional Tissue Elasticity During FUS Focused Ultrasound Therapy Using Harmonic Motion Imaging. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	О	1
29	Differential effects of amplitude-modulated transcranial focused ultrasound on excitatory and inhibitory neurons		1

28	A comparison between unfocused and focused transmit strategies in cardiac strain imaging. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 03NT01	3.8	1
27	Feasibility of Harmonic Motion Imaging Using a Single Transducer: In Vivo Imaging of Breast Cancer in a Mouse Model and Human Subjects. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 1390-1404	11.7	1
26	Cardiac Resynchronization Therapy Response Assessment with Electromechanical Activation Mapping within 24 Hours of Device Implantation: AlPilot Study. <i>Journal of the American Society of Echocardiography</i> , <b>2021</b> , 34, 757-766.e8	5.8	1
25	Atherosclerotic plaque mechanical characterization coupled with vector Doppler imaging in atherosclerotic carotid arteries in-vivo. Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International	0.9	1
24	A Harmonic Motion Imaging (HMI)clinical System for Detection and Characterization of in Vivo Human Breast Masses - Initial Feasibility <b>2018</b> ,		1
23	Feasibility of Bilinear Mechanical Characterization of the Abdominal Aorta in a Hypertensive Mouse Model. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 3480-3490	3.5	1
22	Focused ultrasound excites action potentials in mammalian peripheral neurons in part through the mechanically gated ion channel PIEZO2 <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2115821119	11.5	1
21	Neuronal responses to focused ultrasound are gated by pre-stimulation brain rhythms <i>Brain Stimulation</i> , <b>2022</b> , 15, 233-243	5.1	O
20	Monitoring Canine Myocardial Infarction Formation and Recovery via Transthoracic Cardiac Strain Imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2020</b> , 46, 2785-2800	3.5	0
19	Pulse Wave Imaging Coupled With Vector Flow Mapping: A Phantom, Simulation, and In Vivo Study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 2516-2531	3.2	O
18	Synchronous temperature variation monitoring during ultrasound imaging and/or treatment pulse application: a phantom study <b>2021</b> , 1, 1-10		0
17	Neurogenic Flare Response following Image-Guided Focused Ultrasound in the Mouse Peripheral Nervous System in Vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 2759-2767	3.5	O
16	Guest Editorial Introduction to the Special Issue on Recent Advances in Ultrasound Technology for Brain Imaging and Therapy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 3-5	3.2	0
15	Myocardial Elastography <b>2019</b> , 1073-1082		
14	Electromechanical Wave Imaging <b>2019</b> , 1083-1095		
13	Intrinsic Cardiovascular Wave and Strain Imaging. Series in Bioengineering, 2019, 163-190	0.7	
12	Emerging Engineering Technologies for Opening the BBB. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 545-570	0.5	
11	Cardiovascular elastography <b>2020</b> , 67-107		

#### LIST OF PUBLICATIONS

10	P1-095: Focused Ultrasound Using Neurotrophic Factors for the Treatment of Neurodegenerative Disease <b>2016</b> , 12, P437-P437	
9	3D-rendered Electromechanical Wave Imaging for Localization of Accessory Pathways in Wolff-Parkinson-White Minors. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> ,	0.9

- 8 Pulse wave imaging for the mechanical assessment of atherosclerotic plaques **2021**, 529-542
- F4-09-01: NEURORESTORATION OF THE DOPAMINERGIC PATHWAY USING FOCUSED

  ULTRASOUND-MEDIATED PROTEIN AND GENE DELIVERY IN A PARKINSONIAN MODEL **2018**, 14, P1396-P1397
- 6 Intrinsic Cardiovascular Wave and Strain Imaging **2018**, 189-226

5	Harmonic Motion Imaging <b>2018</b> , 264-283	
4	Optimization of Blood-Brain Barrier Opening with Focused Ultrasound: The Animal Perspective. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2022</b> , 607-628	0.5
3	Imaging of Single Transducer-Harmonic Motion Imaging-derived Displacements at Several Oscillation Frequencies Simultaneously. <i>IEEE Transactions on Medical Imaging</i> , <b>2022</b> , 1-1	11.7
2	MODL-24. Focused ultrasound-mediated blood-brain barrier opening and panobinostat in a thalamic syngeneic murine DMG model is feasible and safe <i>Neuro-Oncology</i> , <b>2022</b> , 24, i174-i174	1
1	MODL-25. Radiation and focused ultrasoundfhediated bloodfbrain barrier opening for DMG: safety and feasibility of combinatorial therapy. <i>Neuro-Oncology</i> , <b>2022</b> , 24, i174-i174	1