Paul A Dayton

List of Publications by Year in Descending Order

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

240
papers

9,249
citations

56
h-index

87
g-index

11,038
ext. papers

4.6
avg, IF

L-index

#	Paper	IF	Citations
240	Validation of a combined ultrasound and bioluminescence imaging system with magnetic resonance imaging in orthotopic pancreatic murine tumors <i>Scientific Reports</i> , 2022 , 12, 102	4.9	
239	Acoustic Angiography: Superharmonic Contrast-Enhanced Ultrasound Imaging for Noninvasive Visualization of Microvasculature. <i>Methods in Molecular Biology</i> , 2022 , 2393, 641-655	1.4	
238	Effects of Injection Volume and Route of Administration on Dolutegravir In Situ Forming Implant Pharmacokinetics <i>Pharmaceutics</i> , 2022 , 14,	6.4	2
237	Nanoparticle delivery of miR-122 inhibits colorectal cancer liver metastasis. Cancer Research, 2021,	10.1	2
236	Magnetic Resonance Detection of Gas Microbubbles via HyperCEST: A Path Toward Dual Modality Contrast Agent. <i>ChemPhysChem</i> , 2021 , 22, 1219-1228	3.2	1
235	Imaging methods to evaluate tumor microenvironment factors affecting nanoparticle drug delivery and antitumor response. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2021 , 4, 382-413	4.5	2
234	Dual-Frequency Intravascular Sonothrombolysis: An In Vitro Study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 3599-3607	3.2	O
233	Characterization of an Array-Based Dual-Frequency Transducer for Superharmonic Contrast Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 2419-2431	3.2	1
232	Ultrasound Contrast Agents 2021 , 639-653		Ο
231	Nanodroplet-mediated catheter-directed sonothrombolysis of retracted blood clots. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 3	7.7	14
230	Characterization of the Ultrasound Localization Microscopy Resolution Limit in the Presence of Image Degradation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , PP,	3.2	2
229	Acoustic holograms for directing arbitrary cavitation patterns. <i>Applied Physics Letters</i> , 2021 , 118, 05190	23.4	4
228	Applications of sub-micron low-boiling point phase change contrast agents for ultrasound imaging and therapy. <i>Current Opinion in Colloid and Interface Science</i> , 2021 , 56, 101498	7.6	2
227	Implementation of a Novel 288-Element Dual-Frequency Array for Acoustic Angiography: In Vitro and In Vivo Characterization. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 2657-2666	3.2	2
226	Magneto-sonothrombolysis with combination of magnetic microbubbles and nanodroplets. <i>Ultrasonics</i> , 2021 , 116, 106487	3.5	2
225	In Vivo Porcine Aged Deep Vein Thrombosis Model for Testing Ultrasound-based Thrombolysis Techniques. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 3447-3457	3.5	0
224	A multi-pillar piezoelectric stack transducer for nanodroplet mediated intravascular sonothrombolysis. <i>Ultrasonics</i> , 2021 , 116, 106520	3.5	1

(2020-2021)

223	Effect of Acoustic Parameters and Microbubble Concentration on the Likelihood of Encapsulated Microbubble Coalescence. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 2980-2989	3.5		
222	Safety Evaluation of a Forward-Viewing Intravascular Transducer for Sonothrombolysis: An in Vitro and ex Vivo Study. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 3231-3239	3.5	4	
221	Harnessing ultrasound-stimulated phase change contrast agents to improve antibiotic efficacy against methicillin-resistant biofilms. <i>Biofilm</i> , 2021 , 3, 100049	5.9	5	
220	Ultrasound in decompression research: fundamentals, considerations, and future technologies. <i>Undersea and Hyperbaric Medicine</i> , 2021 , 48, 59-72	0.9	2	
219	A fully automated method for late ventricular diastole frame selection in post-dive echocardiography without ECG gating. <i>Undersea and Hyperbaric Medicine</i> , 2021 , 48, 73-80	0.9		
218	Perspectives on high resolution microvascular imaging with contrast ultrasound. <i>Applied Physics Letters</i> , 2020 , 116, 210501	3.4	2	
217	Conventional dose rate spatially-fractionated radiation therapy (SFRT) treatment response and its association with dosimetric parameters-A preclinical study in a Fischer 344 rat model. <i>PLoS ONE</i> , 2020 , 15, e0229053	3.7	4	
216	Quantitative sub-resolution blood velocity estimation using ultrasound localization microscopy ex-vivo and in-vivo. <i>Biomedical Physics and Engineering Express</i> , 2020 , 6, 035019	1.5	7	
215	Examining the Influence of Low-Dose Tissue Plasminogen Activator on Microbubble-Mediated Forward-Viewing Intravascular Sonothrombolysis. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 1698-17	796 ⁵	6	
214	Improving the heating efficiency of high intensity focused ultrasound ablation through the use of phase change nanodroplets and multifocus sonication. <i>Physics in Medicine and Biology</i> , 2020 , 65, 20500	4 ^{3.8}	1	
213	Microvascular Ultrasonic Imaging of Angiogenesis Identifies Tumors in a Murine Spontaneous Breast Cancer Model. <i>International Journal of Biomedical Imaging</i> , 2020 , 2020, 7862089	5.2	4	
212	Superharmonic Ultrasound for Motion-Independent Localization Microscopy: Applications to Microvascular Imaging From Low to High Flow Rates. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 957-967	3.2	14	
211	Super-resolution Ultrasound Imaging. Ultrasound in Medicine and Biology, 2020, 46, 865-891	3.5	83	
210	Assessing Polycystic Kidney Disease in Rodents: Comparison of Robotic 3D Ultrasound and Magnetic Resonance Imaging. <i>Kidney360</i> , 2020 , 1, 1126-1136	1.8	1	
209	Super-Resolution Imaging Through the Human Skull. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control,</i> 2020 , 67, 25-36	3.2	16	
208	Focused Ultrasound for Immunomodulation of the Tumor Microenvironment. <i>Journal of Immunology</i> , 2020 , 205, 2327-2341	5.3	9	
207	A Comparison of Sonothrombolysis in Aged Clots between Low-Boiling-Point Phase-Change Nanodroplets and Microbubbles of the Same Composition. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 3059-3068	3.5	14	
206	Visualization of Microvascular Angiogenesis Using Dual-Frequency Contrast-Enhanced Acoustic Angiography: A Review. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 2625-2635	3.5	5	

205	An Improved CMUT Structure Enabling Release and Collapse of the Plate in the Same Tx/Rx Cycle for Dual-Frequency Acoustic Angiography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 2291-2302	3.2	6
204	Transient acoustic vaporization signatures unique to low boiling point phase change contrast agents enable super-resolution ultrasound imaging without spatiotemporal filtering. <i>AIP Advances</i> , 2020 , 10, 105124	1.5	2
203	Precision mouse models with expanded tropism for human pathogens. <i>Nature Biotechnology</i> , 2019 , 37, 1163-1173	44.5	54
202	Ultra-long-acting tunable biodegradable and removable controlled release implants for drug delivery. <i>Nature Communications</i> , 2019 , 10, 4324	17.4	41
201	Effect of Hydrostatic Pressure, Boundary Constraints and Viscosity on the Vaporization Threshold of Low-Boiling-Point Phase-Change Contrast Agents. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 968-9	79	9
200	Histological and blood chemistry examination of the rodent kidney after exposure to flash-replenishment ultrasound contrast imaging. <i>Ultrasonics</i> , 2019 , 98, 1-6	3.5	5
199	Assessment of the Superharmonic Response of Microbubble Contrast Agents for Acoustic Angiography as a Function of Microbubble Parameters. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 2515-2524	3.5	9
198	In Vitro Superharmonic Contrast Imaging Using a Hybrid Dual-Frequency Probe. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 2525-2539	3.5	16
197	Ultrasound-Stimulated Phase-Change Contrast Agents for Transepithelial Delivery of Macromolecules, Toward Gastrointestinal Drug Delivery. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 1762-1776	3.5	9
196	Ultrasound multiple scattering with microbubbles can differentiate between tumor and healthy tissue in vivo. <i>Physics in Medicine and Biology</i> , 2019 , 64, 115022	3.8	4
195	Ultrasound Measurement of Vascular Density to Evaluate Response to Anti-Angiogenic Therapy in Renal Cell Carcinoma. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 873-880	5	12
194	The biological response of rodent kidneys to low frequency, full volume diagnostic contrast-enhanced ultrasound imaging: Pilot data. <i>Data in Brief</i> , 2019 , 25, 104170	1.2	
193	On Command Drug Delivery via Cell-Conveyed Phototherapeutics. <i>Small</i> , 2019 , 15, e1901442	11	11
192	Candle Soot Carbon Nanoparticles in Photoacoustics: Advantages and Challenges for Laser Ultrasound Transmitters. <i>IEEE Nanotechnology Magazine</i> , 2019 , 13, 13-28	1.7	19
191	Dynamic assessment of dual-frequency microbubble-mediated sonothrombolysis in vitro. <i>Journal of Applied Physics</i> , 2019 , 125, 084702	2.5	5
190	Enhanced Depth of Field Acoustic Angiography with a Prototype 288-element Dual-Frequency Array 2019 ,		1
189	Beamforming and Imaging Approaches for Array-Based Dual-Frequency Acoustic Angiography 2019		1
188	Accelerated blood clearance of targeted ultrasound contrast reduced molecular imaging signal intensity: Secreted Frizzled Related Protein-2 signal remained significantly higher than signal from either Vascular Endothelial Growth Factor Receptor-2 or alphabeta integrin. <i>Ultrasonics Symposium</i>	0.8	

(2017-2019)

187	Vaporization Detection Imaging: A Technique for Imaging Low-Boiling-Point Phase-Change Contrast Agents with a High Depth of Penetration and Contrast-to-Tissue Ratio. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 192-207	3.5	13
186	In Vivo Molecular Imaging Using Low-Boiling-Point Phase-Change Contrast Agents: A Proof of Concept Study. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 177-191	3.5	14
185	On the Relationship between Dynamic Contrast-Enhanced Ultrasound Parameters and the Underlying Vascular Architecture Extracted from Acoustic Angiography. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 539-548	3.5	9
184	Imaging with ultrasound contrast agents: current status and future. Abdominal Radiology, 2018, 43, 762	-372	88
183	Cavitation Enhancement Increases the Efficiency and Consistency of Chromatin Fragmentation from Fixed Cells for Downstream Quantitative Applications. <i>Biochemistry</i> , 2018 , 57, 2756-2761	3.2	8
182	Accelerated Clearance of Ultrasound Contrast Agents Containing Polyethylene Glycol is Associated with the Generation of Anti-Polyethylene Glycol Antibodies. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 1266-1280	3.5	30
181	Variability in circulating gas emboli after a same scuba diving exposure. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1255-1264	3.4	18
180	Focused ultrasound-facilitated brain drug delivery using optimized nanodroplets: vaporization efficiency dictates large molecular delivery. <i>Physics in Medicine and Biology</i> , 2018 , 63, 035002	3.8	27
179	In Vivo Assessment of the Potential for Renal Bio-Effects from the Vaporization of Perfluorocarbon Phase-Change Contrast Agents. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 368-376	3.5	14
178	Real-time ultrasound angiography using superharmonic dual-frequency (2.25MHz/30MHz) cylindrical array: In vitro study. <i>Ultrasonics</i> , 2018 , 82, 298-303	3.5	8
177	Oxygen microbubbles improve radiotherapy tumor control in a rat fibrosarcoma model - A preliminary study. <i>PLoS ONE</i> , 2018 , 13, e0195667	3.7	21
176	A new preclinical ultrasound platform for widefield 3D imaging of rodents. <i>Review of Scientific Instruments</i> , 2018 , 89, 075107	1.7	7
175	Adaptive Multifocus Beamforming for Contrast-Enhanced-Super-Resolution Ultrasound Imaging in Deep Tissue. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 2255-2263	3.2	7
174	Ultrasound Molecular Imaging of VEGFR-2 in Clear-Cell Renal Cell Carcinoma Tracks Disease Response to Antiangiogenic and Notch-Inhibition Therapy. <i>Theranostics</i> , 2018 , 8, 141-155	12.1	29
173	Optimization of Phase-Change Contrast Agents for Targeting MDA-MB-231 Breast Cancer Cells. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 2728-2738	3.5	12
172	A Dual-Frequency Colinear Array for Acoustic Angiography in Prostate Cancer Evaluation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control,</i> 2018 , 65, 2418-2428	3.2	8
171	Early Assessment of Tumor Response to Radiation Therapy using High-Resolution Quantitative Microvascular Ultrasound Imaging. <i>Theranostics</i> , 2018 , 8, 156-168	12.1	26
170	Acoustic Behavior of a Reactivated, Commercially Available Ultrasound Contrast Agent. <i>Journal of the American Society of Echocardiography</i> , 2017 , 30, 189-197	5.8	15

169	Microbubble mediated dual-frequency high intensity focused ultrasound thrombolysis: An In vitro study. <i>Applied Physics Letters</i> , 2017 , 110, 023703	3.4	42
168	Contrast Enhanced Superharmonic Imaging for Acoustic Angiography Using Reduced Form-Factor Lateral Mode Transmitters for Intravascular and Intracavity Applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017 , 64, 311-319	3.2	18
167	Dual-frequency transducer with a wideband PVDF receiver for contrast-enhanced, adjustable harmonic imaging 2017 ,		1
166	Intravascular forward-looking ultrasound transducers for microbubble-mediated sonothrombolysis. <i>Scientific Reports</i> , 2017 , 7, 3454	4.9	36
165	First-in-Human Study of Acoustic Angiography in the Breast and Peripheral Vasculature. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 2939-2946	3.5	14
164	In-vitro delivery of BLM into resistant cancer cell line using sonoporation with low-boiling point phase change ultrasound contrast agents 2017 ,		1
163	2017,		1
162	3-D Ultrasound Localization Microscopy for Identifying Microvascular Morphology Features of Tumor Angiogenesis at a Resolution Beyond the Diffraction Limit of Conventional Ultrasound. <i>Theranostics</i> , 2017 , 7, 196-204	12.1	103
161	Dual-Frequency Piezoelectric Endoscopic Transducer for Imaging Vascular Invasion in Pancreatic Cancer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control,</i> 2017 , 64, 1078-1086	3.2	17
160	An evaluation of the sonoporation potential of low-boiling point phase-change ultrasound contrast agents in vitro. <i>Journal of Therapeutic Ultrasound</i> , 2017 , 5, 7		29
159	Optimizing Sensitivity of Ultrasound Contrast-Enhanced Super-Resolution Imaging by Tailoring Size Distribution of Microbubble Contrast Agent. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 2488-2493	3.5	25
158	High Resolution Ultrasound Superharmonic Perfusion Imaging: In Vivo Feasibility and Quantification of Dynamic Contrast-Enhanced Acoustic Angiography. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 939-948	4.7	12
157	Methods of Generating Submicrometer Phase-Shift Perfluorocarbon Droplets for Applications in Medical Ultrasonography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017 , 64, 252-263	3.2	46
156	Optimizing Acoustic Activation of Phase Change Contrast Agents With the Activation Pressure Matching Method: A Review. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017 , 64, 264-272	3.2	12
155	Assessment of Molecular Acoustic Angiography for Combined Microvascular and Molecular Imaging in Preclinical Tumor Models. <i>Molecular Imaging and Biology</i> , 2017 , 19, 194-202	3.8	16
154	A Pilot Clinical Study in Characterization of Malignant Renal-cell Carcinoma Subtype with Contrast-enhanced Ultrasound. <i>Ultrasonic Imaging</i> , 2017 , 39, 126-136	1.9	20
153	Contrast-enhanced ultrasound (CEUS) in patients with chronic kidney disease (CKD) 2017,		1
152	Enhancing Nanoparticle Accumulation and Retention in Desmoplastic Tumors via Vascular Disruption for Internal Radiation Therapy. <i>Theranostics</i> , 2017 , 7, 253-269	12.1	37

(2015-2016)

151	The "Fingerprint" of Cancer Extends Beyond Solid Tumor Boundaries: Assessment With a Novel Ultrasound Imaging Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1082-6	5	24
150	The application of acoustic angiography to assess the progression of angiogenesis in a spontaneous mouse model of breast cancer 2016 ,		1
149	Experimental verification of theoretical equations for acoustic radiation force on compressible spherical particles in traveling waves. <i>Physical Review E</i> , 2016 , 93, 053109	2.4	18
148	Laser-generated-focused ultrasound transducers for microbubble-mediated, dual-excitation sonothrombolysis 2016 ,		6
147	Super resolution contrast ultrasound imaging: Analysis of imaging resolution and application to imaging tumor angiogenesis 2016 ,		7
146	Wideband acoustic activation and detection of droplet vaporization events using a capacitive micromachined ultrasonic transducer. <i>Journal of the Acoustical Society of America</i> , 2016 , 139, 3193	2.2	9
145	Adaptive windowing in contrast-enhanced intravascular ultrasound imaging. <i>Ultrasonics</i> , 2016 , 70, 123-3	3 5 .5	10
144	ExIVivo Porcine Arterial and Chorioallantoic Membrane Acoustic Angiography Using Dual-Frequency Intravascular Ultrasound Probes. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 2294-307	,3.5	15
143	Targeted Transthoracic Acoustic Activation of Systemically Administered Nanodroplets to Detect Myocardial Perfusion Abnormalities. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	20
142	Management of Indeterminate Cystic Kidney Lesions: Review of Contrast-enhanced Ultrasound as a Diagnostic Tool. <i>Urology</i> , 2016 , 87, 1-10	1.6	20
141	Molecular Acoustic Angiography: A New Technique for High-resolution Superharmonic Ultrasound Molecular Imaging. <i>Ultrasound in Medicine and Biology</i> , 2016 , 42, 769-81	3.5	30
140	An Integrated System for Superharmonic Contrast-Enhanced Ultrasound Imaging: Design and Intravascular Phantom Imaging Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1933-1943	5	6
139	FEASIBILITY AND SAFETY OF CONTRAST-ENHANCED ULTRASOUND IN THE DISTAL LIMB OF SIX HORSES. <i>Veterinary Radiology and Ultrasound</i> , 2016 , 57, 282-9	1.2	7
138	A dual-frequency endoscopic transducer for imaging vascular invasion in pancreatic cancer 2016 ,		3
137	Intracellular delivery and ultrasonic activation of folate receptor-targeted phase-change contrast agents in breast cancer cells in vitro. <i>Journal of Controlled Release</i> , 2016 , 243, 69-77	11.7	40
136	Design factors of intravascular dual frequency transducers for super-harmonic contrast imaging and acoustic angiography. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3441-57	3.8	43
135	On the relationship between microbubble fragmentation, deflation and broadband superharmonic signal production. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 1711-25	3.5	38
134	Optimization of multi-pulse sequences for nonlinear contrast agent imaging using a cMUT array. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3111-27	3.8	3

133	Phantom evaluation of stacked-type dual-frequency 1-3 composite transducers: A feasibility study on intracavitary acoustic angiography. <i>Ultrasonics</i> , 2015 , 63, 7-15	3.5	24
132	A Dual Frequency IVUS Transducer With a Lateral Mode Transmitter for Contrast Enhanced Intravascular Ultrasound Imaging 2015 ,		1
131	High-intensity focused ultrasound ablation enhancement in vivo via phase-shift nanodroplets compared to microbubbles. <i>Journal of Therapeutic Ultrasound</i> , 2015 , 3, 7		56
130	Cavitation Enhancing Nanodroplets Mediate Efficient DNA Fragmentation in a Bench Top Ultrasonic Water Bath. <i>PLoS ONE</i> , 2015 , 10, e0133014	3.7	18
129	Therapeutic gas delivery via microbubbles and liposomes. <i>Journal of Controlled Release</i> , 2015 , 209, 139-	- 49 1.7	75
128	Optimization of Contrast-to-Tissue Ratio Through Pulse Windowing in Dual-Frequency "Acoustic Angiography" Imaging. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 1884-95	3.5	16
127	Quantification of Microvascular Tortuosity during Tumor Evolution Using Acoustic Angiography. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 1896-904	3.5	75
126	A 3 MHz/18 MHz dual-layer co-linear array for transrectal acoustic angiography 2015 ,		10
125	Dual-frequency intravascular ultrasound imaging of microbubble contrast agents: Ex vivo and in vivo demonstration 2015 ,		2
124	Dual-frequency IVUS array for contrast enhanced intravascular ultrasound imaging 2015,		3
123	Molecular acoustic angiography: Demonstration of in vivo feasibility for high resolution superharmonic ultrasound molecular imaging 2015 ,		1
122	Dual-frequency acoustic droplet vaporization detection for medical imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015 , 62, 1623-33	3.2	13
121	Contrast-enhanced ultrasound imaging and in vivo circulatory kinetics with low-boiling-point nanoscale phase-change perfluorocarbon agents. <i>Ultrasound in Medicine and Biology</i> , 2015 , 41, 814-31	3.5	76
120	Nucleation and growth synthesis of siloxane gels to form functional, monodisperse, and acoustically programmable particles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8070-3	16.4	21
119	Phase change events of volatile liquid perfluorocarbon contrast agents produce unique acoustic signatures. <i>Physics in Medicine and Biology</i> , 2014 , 59, 379-401	3.8	54
118	Evaluation of bias voltage modulation sequence for nonlinear contrast agent imaging using a capacitive micromachined ultrasonic transducer array. <i>Physics in Medicine and Biology</i> , 2014 , 59, 4879-96	6 ^{3.8}	14
117	Vascular channels formed by subpopulations of PECAM1+ melanoma cells. <i>Nature Communications</i> , 2014 , 5, 5200	17.4	48
116	. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014 , 61, 870-880	3.2	65

(2013-2014)

115	Acoustic characterization of contrast-to-tissue ratio and axial resolution for dual-frequency contrast-specific acoustic angiography imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014 , 61, 1668-87	3.2	42	
114	Pulse sequences for uniform perfluorocarbon droplet vaporization and ultrasound imaging. <i>Ultrasonics</i> , 2014 , 54, 2024-33	3.5	19	
113	Dual frequency transducers for intravascular ultrasound super-harmonic imaging and acoustic angiography 2014 ,		9	
112	A preliminary engineering design of intravascular dual-frequency transducers for contrast-enhanced acoustic angiography and molecular imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014 , 61, 870-80	3.2	28	
111	Dual-frequency piezoelectric transducers for contrast enhanced ultrasound imaging. <i>Sensors</i> , 2014 , 14, 20825-42	3.8	53	
110	Vaporization dynamics of volatile perfluorocarbon droplets: a theoretical model and in vitro validation. <i>Medical Physics</i> , 2014 , 41, 102901	4.4	35	
109	A configurable dual-frequency transmit/receive system for acoustic angiography imaging 2014,		5	
108	Optimization of contrast-to-tissue ratio and role of bubble destruction in dual-frequency contrast-specific acoustic angiography Imaging 2014,		3	
107	Nucleation and Growth Synthesis of Siloxane Gels to Form Functional, Monodisperse, and Acoustically Programmable Particles. <i>Angewandte Chemie</i> , 2014 , 126, 8208-8211	3.6		
106	Improving the performance of phase-change perfluorocarbon droplets for medical ultrasonography: current progress, challenges, and prospects. <i>Scientifica</i> , 2014 , 2014, 579684	2.6	40	
105	Parallel generation of uniform fine droplets at hundreds of kilohertz in a flow-focusing module. <i>Biomicrofluidics</i> , 2013 , 7, 34112	3.2	47	
104	Functional ultrasound imaging for assessment of extracellular matrix scaffolds used for liver organoid formation. <i>Biomaterials</i> , 2013 , 34, 9341-51	15.6	28	
103	Microfluidic fabrication of stable gas-filled microcapsules for acoustic contrast enhancement. <i>Langmuir</i> , 2013 , 29, 12352-7	4	33	
102	Flow-focusing regimes for accelerated production of monodisperse drug-loadable microbubbles toward clinical-scale applications. <i>Lab on A Chip</i> , 2013 , 13, 4816-26	7.2	39	
101	Toward ultrasound molecular imaging with phase-change contrast agents: an inlyitro proof of principle. <i>Ultrasound in Medicine and Biology</i> , 2013 , 39, 893-902	3.5	43	
100	Targeted drug delivery with focused ultrasound-induced blood-brain barrier opening using acoustically-activated nanodroplets. <i>Journal of Controlled Release</i> , 2013 , 172, 795-804	11.7	82	
99	Current status and prospects for microbubbles in ultrasound theranostics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013 , 5, 329-45	9.2	91	
98	In vitro parameter optimization for spatial control of focused ultrasound ablation when using low boiling point phase-change nanoemulsions. <i>Journal of Therapeutic Ultrasound</i> , 2013 , 1, 16		6	

97	Experimental validation of displacement underestimation in ARFI ultrasound. <i>Ultrasonic Imaging</i> , 2013 , 35, 196-213	1.9	15
96	Nanoparticle delivery enhancement with acoustically activated microbubbles. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control,</i> 2013 , 60, 65-77	3.2	33
95	Acoustic angiography: a new imaging modality for assessing microvasculature architecture. <i>International Journal of Biomedical Imaging</i> , 2013 , 2013, 936593	5.2	99
94	Phase-transition thresholds and vaporization phenomena for ultrasound phase-change nanoemulsions assessed via high-speed optical microscopy. <i>Physics in Medicine and Biology</i> , 2013 , 58, 4513-34	3.8	62
93	Phase-shift perfluorocarbon agents enhance high intensity focused ultrasound thermal delivery with reduced near-field heating. <i>Journal of the Acoustical Society of America</i> , 2013 , 134, 1473-82	2.2	62
92	In Vivo Demonstration of Cancer Molecular Imaging with Ultrasound Radiation Force and Buried-Ligand Microbubbles. <i>Molecular Imaging</i> , 2013 , 12, 7290.2013.00052	3.7	24
91	A comparative evaluation of ultrasound molecular imaging, perfusion imaging, and volume measurements in evaluating response to therapy in patient-derived xenografts. <i>Technology in Cancer Research and Treatment</i> , 2013 , 12, 311-21	2.7	24
90	An in vivo evaluation of the effect of repeated administration and clearance of targeted contrast agents on molecular imaging signal enhancement. <i>Theranostics</i> , 2013 , 3, 93-8	12.1	14
89	Design of ultrasonically-activatable nanoparticles using low boiling point perfluorocarbons. <i>Biomaterials</i> , 2012 , 33, 3262-9	15.6	167
88	A pilot study to assess markers of renal damage in the rodent kidney after exposure to 7 MHz ultrasound pulse sequences designed to cause microbubble translation and disruption. <i>Ultrasound in Medicine and Biology</i> , 2012 , 38, 168-72	3.5	8
87	An in vivo validation of the application of acoustic radiation force to enhance the diagnostic utility of molecular imaging using 3-d ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2012 , 38, 651-60	3.5	31
86	Phase-change nanoparticles using highly volatile perfluorocarbons: toward a platform for extravascular ultrasound imaging. <i>Theranostics</i> , 2012 , 2, 1185-98	12.1	86
85	Theranostic oxygen delivery using ultrasound and microbubbles. <i>Theranostics</i> , 2012 , 2, 1174-84	12.1	61
84	Microfluidic generation of acoustically active nanodroplets. <i>Small</i> , 2012 , 8, 1876-9	11	32
83	Mapping microvasculature with acoustic angiography yields quantifiable differences between healthy and tumor-bearing tissue volumes in a rodent model. <i>Radiology</i> , 2012 , 264, 733-40	20.5	77
82	Scaled-Up Production of Monodisperse, Dual Layer Microbubbles Using Multi-Array Microfluidic Module for Medical Imaging and Drug Delivery. <i>Bubble Science, Engineering & Technology</i> , 2012 , 4, 12-20	0	23
81	Phase-change contrast agents for imaging and therapy. Current Pharmaceutical Design, 2012, 18, 2152-	6 5 .3	160
80	Imaging tortuosity: the potential utility of acoustic angiography in cancer detection and tumor assessment. <i>Imaging in Medicine</i> , 2012 , 4, 581-583	1	

(2010-2011)

79	High-speed, clinical-scale microfluidic generation of stable phase-change droplets for gas embolotherapy. <i>Lab on A Chip</i> , 2011 , 11, 3990-8	7.2	44
78	Formulation and acoustic studies of a new phase-shift agent for diagnostic and therapeutic ultrasound. <i>Langmuir</i> , 2011 , 27, 10412-20	4	212
77	Precision manufacture of phase-change perfluorocarbon droplets using microfluidics. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 1952-7	3.5	43
76	Assessment of Molecular Imaging of Angiogenesis with Three-Dimensional Ultrasonography. <i>Molecular Imaging</i> , 2011 , 10, 7290.2011.00015	3.7	27
75	3-D microvessel-mimicking ultrasound phantoms produced with a scanning motion system. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 827-33	3.5	3
74	Effect of anesthesia carrier gas on in vivo circulation times of ultrasound microbubble contrast agents in rats. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 126-31	3.2	71
73	Submicron decafluorobutane phase-change contrast agents generated by microbubble condensation 2011 ,		2
72	Validation of dynamic contrast-enhanced ultrasound in rodent kidneys as an absolute quantitative method for measuring blood perfusion. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 900-8	3.5	33
71	Decafluorobutane as a phase-change contrast agent for low-energy extravascular ultrasonic imaging. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 1518-30	3.5	164
70	Improving the quantitative ability of contrast enhanced ultrasound perfusion imaging: effect of contrast administration rate and imaging plane orientation 2011 ,		1
69	Characterisation of polymer shelled microbubbles in wall less flow phantom using high frequency ultrasound and video microscopy. <i>Bubble Science, Engineering & Technology</i> , 2011 , 3, 73-78		1
68	Assessment of molecular imaging of angiogenesis with three-dimensional ultrasonography. <i>Molecular Imaging</i> , 2011 , 10, 460-8	3.7	27
67	Advances in Molecular Imaging with Ultrasound. <i>Molecular Imaging</i> , 2010 , 9, 7290.2010.00022	3.7	84
66	Microbubbles in Imaging: Applications Beyond Ultrasound. <i>Bubble Science, Engineering & Technology</i> , 2010 , 2, 3-8		22
65	Acoustic responses of monodisperse lipid-encapsulated microbubble contrast agents produced by flow focusing. <i>Bubble Science, Engineering & Technology</i> , 2010 , 2, 33-40		34
64	High-resolution, high-contrast ultrasound imaging using a prototype dual-frequency transducer: in vitro and in vivo studies. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 1772-81	3.2	79
63	Blood vessel structural morphology derived from 3D dual-frequency ultrasound images 2010,		2
62	Quantitative volumetric perfusion mapping of the microvasculature using contrast ultrasound. <i>Investigative Radiology</i> , 2010 , 45, 669-74	10.1	74

61	Improving Sensitivity in Ultrasound Molecular Imaging by Tailoring Contrast Agent Size Distribution: In Vivo Studies. <i>Molecular Imaging</i> , 2010 , 9, 7290.2010.00005	3.7	78
60	Improving sensitivity in ultrasound molecular imaging by tailoring contrast agent size distribution: in vivo studies. <i>Molecular Imaging</i> , 2010 , 9, 87-95	3.7	58
59	Optical tracking of acoustic radiation force impulse-induced dynamics in a tissue-mimicking phantom. <i>Journal of the Acoustical Society of America</i> , 2009 , 126, 2733-45	2.2	12
58	High-resolution, high-contrast ultrasound imaging using a prototype dual-frequency transducer in-vitro and in-vivo studies 2009 ,		5
57	Hybrid dual frequency transducer and Scanhead for micro-ultrasound imaging 2009,		11
56	Radiation force-enhanced targeted imaging and near real-time molecular imaging using a dual-frequency high-resolution transducer: In-vitro and in-vivo results 2009 ,		2
55	An in-vivo evaluation of the effects of anesthesia carrier gases on ultrasound contrast agent circulation 2009 ,		1
54	Microbubble tunneling in gel phantoms. Journal of the Acoustical Society of America, 2009, 125, EL183-	9 2.2	43
53	Controllable microfluidic synthesis of multiphase drug-carrying lipospheres for site-targeted therapy. <i>Biotechnology Progress</i> , 2009 , 25, 938-45	2.8	59
52	Modeling of the acoustic response from contrast agent microbubbles near a rigid wall. <i>Ultrasonics</i> , 2009 , 49, 195-201	3.5	47
51	Modeling of nonlinear viscous stress in encapsulating shells of lipid-coated contrast agent microbubbles. <i>Ultrasonics</i> , 2009 , 49, 269-75	3.5	91
50	Resonance frequencies of lipid-shelled microbubbles in the regime of nonlinear oscillations. <i>Ultrasonics</i> , 2009 , 49, 263-8	3.5	56
49	Changes in lipid-encapsulated microbubble population during continuous infusion and methods to maintain consistency. <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 1748-55	3.5	19
48	Motion corrected cadence CPS ultrasound for quantifying response to vasoactive drugs in a rat kidney model. <i>Urology</i> , 2009 , 74, 675-81	1.6	23
47	Versatile horizontal force probe for mechanical tests on pipette-held cells, particles, and membrane capsules. <i>Biophysical Journal</i> , 2009 , 96, 1218-31	2.9	15
46	Effects of body positioning on swallowing and esophageal transit in healthy dogs. <i>Journal of Veterinary Internal Medicine</i> , 2009 , 23, 801-5	3.1	14
45	Maintaining monodispersity in a microbubble population formed by flow-focusing. <i>Langmuir</i> , 2008 , 24, 1745-9	4	93
44	Parameter space for microbubble wall interaction estimated from gel phantom 2008,		1

(2006-2008)

Imaging of angiogenesis using Cadence contrast pulse sequencing and targeted contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2008 , 3, 9-18	3.2	78
A stimulus-responsive contrast agent for ultrasound molecular imaging. <i>Biomaterials</i> , 2008 , 29, 597-606	5 15.6	94
Needle size and injection rate impact microbubble contrast agent population. <i>Ultrasound in Medicine and Biology</i> , 2008 , 34, 1182-5	3.5	51
On-chip generation of microbubbles as a practical technology for manufacturing contrast agents for ultrasonic imaging. <i>Lab on A Chip</i> , 2007 , 7, 463-8	7.2	209
Maxwell rheological model for lipid-shelled ultrasound microbubble contrast agents. <i>Journal of the Acoustical Society of America</i> , 2007 , 121, 3331-40	2.2	68
Direct observations of ultrasound microbubble contrast agent interaction with the microvessel wall. <i>Journal of the Acoustical Society of America</i> , 2007 , 122, 1191-200	2.2	153
Molecular ultrasound imaging using microbubble contrast agents. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 5124-42	2.8	107
CMR 2007: 5.01: Optimizing the size distribution of contrast agents for ultrasound imaging. <i>Contrast Media and Molecular Imaging</i> , 2007 , 2, 285-286	3.2	
Ultrasound-driven microbubble oscillation and translation within small phantom vessels. <i>Ultrasound in Medicine and Biology</i> , 2007 , 33, 1978-87	3.5	47
Acoustically-active microbubbles conjugated to liposomes: characterization of a proposed drug delivery vehicle. <i>Journal of Controlled Release</i> , 2007 , 118, 275-84	11.7	184
9B-4 Microbubble Oscillations in Gel Phantom and Ex Vivo Preparation Validate Proposed Mechanisms for Contrast-Based Drug Delivery. <i>Proceedings IEEE Ultrasonics Symposium</i> , 2007 ,		1
Tailoring the Size Distribution of Ultrasound Contrast Agents: Possible Method for Improving Sensitivity in Molecular Imaging. <i>Molecular Imaging</i> , 2007 , 6, 7290.2007.00034	3.7	86
Tailoring the size distribution of ultrasound contrast agents: possible method for improving sensitivity in molecular imaging. <i>Molecular Imaging</i> , 2007 , 6, 384-92	3.7	44
Ultrasound radiation force enables targeted deposition of model drug carriers loaded on microbubbles. <i>Journal of Controlled Release</i> , 2006 , 111, 128-34	11.7	218
Ultrasound-mediated therapies using oil and perfluorocarbon-filled nanodroplets. <i>Drug Development Research</i> , 2006 , 67, 42-46	5.1	9
1F-4 Acoustic Localization of Sub-Micron Droplets for Targeted Imaging and Therapy 2006 ,		1
Microbubble oscillation in tubes with diameters of 12, 25, and 195 microns. <i>Applied Physics Letters</i> , 2006 , 88, 033902	3.4	57
Observation of contrast agent response to chirp insonation with a simultaneous optical-acoustical system. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006 , 53, 1130-7	3.2	18
	A stimulus-responsive contrast agent for ultrasound molecular imaging. Biomaterials, 2008, 29, 597-600. Needle size and injection rate impact microbubble contrast agent population. Ultrasound in Medicine and Biology, 2008, 34, 1182-5. On-chip generation of microbubbles as a practical technology for manufacturing contrast agents for ultrasonic imaging. Lab on A Chip, 2007, 7, 463-8. Maxwell rheological model for lipid-shelled ultrasound microbubble contrast agents. Journal of the Acoustical Society of America, 2007, 121, 3331-40. Direct observations of ultrasound microbubble contrast agent interaction with the microvessel wall. Journal of the Acoustical Society of America, 2007, 122, 1191-200. Molecular ultrasound imaging using microbubble contrast agents. Frontiers in Bioscience - Landmark, 2007, 12, 5124-42. CMR 2007, 5.01: Optimizing the size distribution of contrast agents for ultrasound imaging. Contrast Media and Molecular Imaging, 2007, 2, 285-286. Ultrasound-driven microbubble oscillation and translation within small phantom vessels. Ultrasound in Medicine and Biology, 2007, 33, 1978-87. Acoustically-active microbubbles conjugated to liposomes: characterization of a proposed drug delivery vehicle. Journal of Controlled Release, 2007, 118, 275-84. 9B-4 Microbubble Oscillations in Gel Phantom and Ex Vivo Preparation Validate Proposed Mechanisms for Contrast-Based Drug Delivery. Proceedings IEEE Ultrasonics Symposium, 2007, Tailoring the Size Distribution of ultrasound Contrast Agents: Possible Method for Improving Sensitivity in Molecular Imaging, Molecular Imaging, 2007, 6, 729.2007.00034. Tailoring the size distribution of ultrasound contrast agents: possible method for improving Sensitivity in molecular imaging, Molecular Imaging, 2007, 6, 780.2007.00034. Tailoring the size distribution of ultrasound contrast agents: possible method for improving Sensitivity in molecular imaging, Molecular Imaging, 2007, 6, 790.2007.00034. Ultrasound-mediated therapies using oil and perfluorocarbon-filled na	A stimulus-responsive contrast agent for ultrasound molecular imaging. Biomaterials, 2008, 29, 597-606 15.6 Needle size and injection rate impact microbubble contrast agent population. Ultrasound in Medicine and Biology, 2008, 34, 1182-5 On-chip generation of microbubbles as a practical technology for manufacturing contrast agents for ultrasonic imaging. Lab on A Chip, 2007, 7, 463-8 Maxwell rheological model for lipid-shelled ultrasound microbubble contrast agents. Journal of the Acoustical Society of America, 2007, 121, 3331-40 Direct observations of ultrasound microbubble contrast agent interaction with the microvessel wall. Journal of the Acoustical Society of America, 2007, 122, 1191-200 Molecular ultrasound imaging using microbubble contrast agents. Frontiers in Bioscience - Landmark 2.8 CMR 2007: 5.01: Optimizing the size distribution of contrast agents for ultrasound imaging. Contrast Media and Molecular imaging, 2007, 2, 285-286 Ultrasound-driven microbubble oscillation and translation within small phantom vessels. Ultrasound in Medicine and Biology, 2007, 33, 1978-87 Acoustically-active microbubble conjugated to liposomes: characterization of a proposed drug delivery vehicle. Journal of Controlled Release, 2007, 118, 275-84 9B-4 Microbubble Oscillations in Gel Phantom and Ex Vivo Preparation Validate Proposed Mechanisms for Contrast-Based Drug Delivery. Proceedings IEEE Ultrasonics Symposium, 2007, Tailoring the Size Distribution of ultrasound Contrast Agents: Possible Method for Improving Sensitivity in Molecular Imaging. Molecular Imaging, 2007, 6, 7890.2007.00034 Tailoring the size distribution of ultrasound contrast agents: possible method for improving sensitivity in molecular imaging. Molecular Imaging, 2007, 6, 384-92 Ultrasound-mediated therapies using oil and perfluorocarbon-filled nanodroplets. Drug Development Research, 2006, 67, 42-46 Microbubble oscillation in tubes with diameters of 12, 25, and 195 microns. Applied Physics Letters, 2006, 88, 033902 Observation of contrast a

25	Spatio-temporal dynamics of an encapsulated gas bubble in an ultrasound field. <i>Journal of the Acoustical Society of America</i> , 2006 , 120, 661-669	2.2	39
24	Long-term stability by lipid coating monodisperse microbubbles formed by a flow-focusing device. <i>Langmuir</i> , 2006 , 22, 9487-90	4	89
23	Lateral phase separation in lipid-coated microbubbles. <i>Langmuir</i> , 2006 , 22, 4291-7	4	109
22	Application of Ultrasound to Selectively Localize Nanodroplets for Targeted Imaging and Therapy. <i>Molecular Imaging</i> , 2006 , 5, 7290.2006.00019	3.7	88
21	Ultrasound Radiation Force Modulates Ligand Availability on Targeted Contrast Agents. <i>Molecular Imaging</i> , 2006 , 5, 7290.2006.00016	3.7	60
20	Acoustic response from adherent targeted contrast agents. <i>Journal of the Acoustical Society of America</i> , 2006 , 120, EL63-9	2.2	47
19	Ultrasound assessment of angiogenesis in a matrigel model in rats. <i>Ultrasound in Medicine and Biology</i> , 2006 , 32, 673-81	3.5	33
18	Ultrasound radiation force modulates ligand availability on targeted contrast agents. <i>Molecular Imaging</i> , 2006 , 5, 139-47	3.7	32
17	Asymmetric oscillation of adherent targeted ultrasound contrast agents. <i>Applied Physics Letters</i> , 2005 , 87, 1341031-1341033	3.4	68
16	Influence of lipid shell physicochemical properties on ultrasound-induced microbubble destruction. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005 , 52, 1992-2002	3.2	212
15	Optical observation of lipid- and polymer-shelled ultrasound microbubble contrast agents. <i>Applied Physics Letters</i> , 2004 , 84, 631-633	3.4	159
14	Radiation-Force Assisted Targeting Facilitates Ultrasonic Molecular Imaging. <i>Molecular Imaging</i> , 2004 , 3, 153535002004041	3.7	5
13	Ultrasonic analysis of peptide- and antibody-targeted microbubble contrast agents for molecular imaging of alphavbeta3-expressing cells. <i>Molecular Imaging</i> , 2004 , 3, 125-34	3.7	98
12	Radiation-force assisted targeting facilitates ultrasonic molecular imaging. <i>Molecular Imaging</i> , 2004 , 3, 135-48	3.7	129
11	Effect of coupled oscillations on microbubble behavior. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 1678-90	2.2	42
10	Targeted imaging using ultrasound. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 16, 362-77	5.6	192
9	The magnitude of radiation force on ultrasound contrast agents. <i>Journal of the Acoustical Society of America</i> , 2002 , 112, 2183-92	2.2	228
8	Optical and acoustical dynamics of microbubble contrast agents inside neutrophils. <i>Biophysical Journal</i> , 2001 , 80, 1547-56	2.9	117

LIST OF PUBLICATIONS

7	Noninvasive imaging of inflammation by ultrasound detection of phagocytosed microbubbles. <i>Circulation</i> , 2000 , 102, 531-8	16.7	209
6	Experimental and theoretical evaluation of microbubble behavior: effect of transmitted phase and bubble size. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2000 , 47, 1494-509	3.2	280
5	Optical observation of contrast agent destruction. <i>Applied Physics Letters</i> , 2000 , 77, 1056	3.4	113
4	Optical and acoustical observations of the effects of ultrasound on contrast agents. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1999 , 46, 220-32	3.2	219
3	Direct video-microscopic observation of the dynamic effects of medical ultrasound on ultrasound contrast microspheres. <i>Investigative Radiology</i> , 1998 , 33, 863-70	10.1	36
2	Conventional dose rate spatially-fractionated radiation therapy (SFRT) treatment response and its association with dosimetric parameters 🖪 preclinical study in a Fisher 344 rat model		1
1	Harnessing Ultrasound-Stimulated Phase Change Contrast Agents to Improve Antibiotic Efficacy Against Methicillin-Resistant Staphylococcus aureus Biofilms		1