

# Robert Eckersley

## List of Publications by Citations

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142  
papers

4,623  
citations

38  
h-index

65  
g-index

171  
ext. papers

5,567  
ext. citations

6.1  
avg. IF

5.25  
L-index

#	Paper	IF	Citations
142	Improved imaging of liver metastases with stimulated acoustic emission in the late phase of enhancement with the US contrast agent SH U 508A: early experience. <i>Radiology</i> , <b>1999</b> , 210, 409-16	20.5	214
141	Non-invasive diagnosis of hepatic cirrhosis by transit-time analysis of an ultrasound contrast agent. <i>Lancet, The</i> , <b>1999</b> , 353, 1579-83	40	206
140	In vivo acoustic super-resolution and super-resolved velocity mapping using microbubbles. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 433-40	11.7	196
139	Quantitative contrast-enhanced ultrasound imaging: a review of sources of variability. <i>Interface Focus</i> , <b>2011</b> , 1, 520-39	3.9	189
138	Optimising phase and amplitude modulation schemes for imaging microbubble contrast agents at low acoustic power. <i>Ultrasound in Medicine and Biology</i> , <b>2005</b> , 31, 213-9	3.5	171
137	Advances in ultrasound. <i>Clinical Radiology</i> , <b>2002</b> , 57, 157-77	2.9	145
136	Developments in ultrasound contrast media. <i>European Radiology</i> , <b>2001</b> , 11, 675-89	8	137
135	Acoustic super-resolution with ultrasound and microbubbles. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 6447-58	3.8	129
134	Pulse-inversion mode imaging of liver specific microbubbles: improved detection of subcentimetre metastases. <i>Lancet, The</i> , <b>2000</b> , 355, 807-8	40	122
133	Mapping microbubble viscosity using fluorescence lifetime imaging of molecular rotors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9225-30	11.5	112
132	Hepatic vein transit times using a microbubble agent can predict disease severity non-invasively in patients with hepatitis C. <i>Gut</i> , <b>2005</b> , 54, 128-33	19.2	109
131	Evidence for spleen-specific uptake of a microbubble contrast agent: a quantitative study in healthy volunteers. <i>Radiology</i> , <b>2004</b> , 231, 785-8	20.5	104
130	Hepatic malignancies: improved detection with pulse-inversion US in late phase of enhancement with SH U 508A-early experience. <i>Radiology</i> , <b>2000</b> , 216, 903-8	20.5	104
129	Liver microbubble transit time compared with histology and Child-Pugh score in diffuse liver disease: a cross sectional study. <i>Gut</i> , <b>2003</b> , 52, 1188-93	19.2	99
128	Flow Velocity Mapping Using Contrast Enhanced High-Frame-Rate Plane Wave Ultrasound and Image Tracking: Methods and Initial in Vitro and in Vivo Evaluation. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 2913-25	3.5	92
127	Stimulated acoustic emission to image a late liver and spleen-specific phase of Levovist in normal volunteers and patients with and without liver disease. <i>Ultrasound in Medicine and Biology</i> , <b>1999</b> , 25, 1341-52	3.5	89
126	Liver vascular transit time analyzed with dynamic hepatic venography with bolus injections of an US contrast agent: early experience in seven patients with metastases. <i>Radiology</i> , <b>1998</b> , 209, 862-6	20.5	87

125	Do different types of liver lesions differ in their uptake of the microbubble contrast agent SH U 508A in the late liver phase? Early experience. <i>Radiology</i> , <b>2001</b> , 220, 661-7	20.5	83
124	Quantification of blood flow. <i>European Radiology</i> , <b>2001</b> , 11, 1338-44	8	82
123	Stimulated acoustic emission in liver parenchyma with Levovist. <i>Lancet, The</i> , <b>1998</b> , 351, 568	40	81
122	Ultrabubble: A Laminated Ultrasound Contrast Agent with Narrow Size Range. <i>Advanced Materials</i> , <b>2009</b> , 21, 3949-3952	24	75
121	Quantitative microbubble enhanced transrectal ultrasound as a tool for monitoring hormonal treatment of prostate carcinoma. <i>Prostate</i> , <b>2002</b> , 51, 256-67	4.2	73
120	Microbubble stability is a major determinant of the efficiency of ultrasound and microbubble mediated in vivo gene transfer. <i>Ultrasound in Medicine and Biology</i> , <b>2009</b> , 35, 976-84	3.5	72
119	Nonlinear propagation of ultrasound through microbubble contrast agents and implications for imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2006</b> , 53, 2406-15	3.2	68
118	Can Doppler sonography grade the severity of hepatitis C-related liver disease?. <i>American Journal of Roentgenology</i> , <b>2005</b> , 184, 1848-53	5.4	67
117	Frequency and pressure dependent attenuation and scattering by microbubbles. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 164-8	3.5	62
116	On sizing and counting of microbubbles using optical microscopy. <i>Ultrasound in Medicine and Biology</i> , <b>2010</b> , 36, 2093-6	3.5	59
115	Ultrasound-mediated optical tomography: a review of current methods. <i>Interface Focus</i> , <b>2011</b> , 1, 632-48	3.9	52
114	Temperature dependent behavior of ultrasound contrast agents. <i>Ultrasound in Medicine and Biology</i> , <b>2010</b> , 36, 925-34	3.5	49
113	Two-Stage Motion Correction for Super-Resolution Ultrasound Imaging in Human Lower Limb. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2018</b> , 65, 803-814	3.2	48
112	Pressure-dependent attenuation with microbubbles at low mechanical index. <i>Ultrasound in Medicine and Biology</i> , <b>2005</b> , 31, 377-84	3.5	47
111	Physical phenomena affecting quantitative imaging of ultrasound contrast agents. <i>Applied Acoustics</i> , <b>2009</b> , 70, 1352-1362	3.1	46
110	Liver lesions: intermittent second-harmonic gray-scale US can increase conspicuity with microbubble contrast material-early experience. <i>Radiology</i> , <b>2000</b> , 216, 592-6	20.5	46
109	Hepatic vein transit time of SonoVue: a comparative study with Levovist. <i>Radiology</i> , <b>2006</b> , 240, 130-5	20.5	44
108	Segmentation and analysis of colour Doppler images of tumour vasculature. <i>Ultrasound in Medicine and Biology</i> , <b>1995</b> , 21, 635-47	3.5	44

107	Effects of nonlinear propagation in ultrasound contrast agent imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2010</b> , 36, 459-66	3.5	41
106	Circulatory bubble dynamics: from physical to biological aspects. <i>Advances in Colloid and Interface Science</i> , <b>2014</b> , 206, 239-49	14.3	40
105	A critical review of physiological bubble formation in hyperbaric decompression. <i>Advances in Colloid and Interface Science</i> , <b>2013</b> , 191-192, 22-30	14.3	40
104	Which continuous US scanning mode is optimal for the detection of vascularity in liver lesions when enhanced with a second generation contrast agent?. <i>European Journal of Radiology</i> , <b>2002</b> , 41, 184-91	4.7	38
103	3D Super-Resolution US Imaging of Rabbit Lymph Node Vasculature in Vivo by Using Microbubbles. <i>Radiology</i> , <b>2019</b> , 291, 642-650	20.5	37
102	Acoustic wave sparsely activated localization microscopy (AWSALM): Super-resolution ultrasound imaging using acoustic activation and deactivation of nanodroplets. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 014101	3.4	37
101	Microbubble Axial Localization Errors in Ultrasound Super-Resolution Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1644-1654	3.2	37
100	High-speed optical observations and simulation results of SonoVue microbubbles at low-pressure insonation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2008</b> , 55, 1333-42	3.2	36
99	Characterization of Contrast Agent Microbubbles for Ultrasound Imaging and Therapy Research. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 232-251	3.2	34
98	3-D In Vitro Acoustic Super-Resolution and Super-Resolved Velocity Mapping Using Microbubbles. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1478-1486	3.2	33
97	Evaluation of methods for sizing and counting of ultrasound contrast agents. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 834-45	3.5	31
96	Quantitative power Doppler ultrasonography is a sensitive measure of metacarpophalangeal joint synovial vascularity in rheumatoid arthritis and declines significantly following a 2-week course of oral low-dose corticosteroids. <i>Journal of Rheumatology</i> , <b>2010</b> , 37, 2493-501	4.1	29
95	A Targeting Microbubble for Ultrasound Molecular Imaging. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129681	3.7	28
94	3-D Super-Resolution Ultrasound Imaging With a 2-D Sparse Array. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 269-277	3.2	27
93	Theoretical and experimental characterisation of magnetic microbubbles. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 864-75	3.5	26
92	Fast Acoustic Wave Sparsely Activated Localization Microscopy (fast-AWSALM): Ultrasound Super-Resolution using Plane-Wave Activation of Nanodroplets. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2019</b> ,	3.2	25
91	Attenuation correction in ultrasound contrast agent imaging: elementary theory and preliminary experimental evaluation. <i>Ultrasound in Medicine and Biology</i> , <b>2008</b> , 34, 1998-2008	3.5	25
90	Ultrasound imaging velocimetry: effect of beam sweeping on velocity estimation. <i>Ultrasound in Medicine and Biology</i> , <b>2013</b> , 39, 1672-81	3.5	23

89	Functional ultrasound methods in oncological imaging. <i>European Journal of Cancer</i> , <b>2002</b> , 38, 2108-15	7.5	23
88	The influence of gas saturation on microbubble stability. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 1097-100	3.5	22
87	Quantifying activation of perfluorocarbon-based phase-change contrast agents using simultaneous acoustic and optical observation. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 1422-31	3.5	20
86	Effects of acoustic radiation force and shear waves for absorption and stiffness sensing in ultrasound modulated optical tomography. <i>Optics Express</i> , <b>2011</b> , 19, 7299-311	3.3	20
85	Temperature-dependent differences in the nonlinear acoustic behavior of ultrasound contrast agents revealed by high-speed imaging and bulk acoustics. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 1509-17	3.5	19
84	Enhancement of power Doppler signals from breast lesions with the ultrasound contrast agent EchoGen emulsion: subjective and quantitative assessment. <i>Academic Radiology</i> , <b>1998</b> , 5 Suppl 1, S195-8; discussion S199	4.3	19
83	Variability in circulating gas emboli after a same scuba diving exposure. <i>European Journal of Applied Physiology</i> , <b>2018</b> , 118, 1255-1264	3.4	18
82	High Frame-Rate Contrast Echocardiography: In-Human Demonstration. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 923-924	8.4	18
81	Poisson Statistical Model of Ultrasound Super-Resolution Imaging Acquisition Time. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2019</b> , 66, 1246-1254	3.2	18
80	Understanding the structure and mechanism of formation of a new magnetic microbubble formulation. <i>Theranostics</i> , <b>2012</b> , 2, 1127-39	12.1	16
79	Influence of needle gauge on in vivo ultrasound and microbubble-mediated gene transfection. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 1531-7	3.5	16
78	Microbubble contrast agent detection using binary coded pulses. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 1787-95	3.5	16
77	Shear wave elasticity imaging based on acoustic radiation force and optical detection. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 1637-45	3.5	15
76	Correction of Non-Linear Propagation Artifact in Contrast-Enhanced Ultrasound Imaging of Carotid Arteries: Methods and in Vitro Evaluation. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 1938-47	3.5	14
75	Investigation of Microbubble Detection Methods for Super-Resolution Imaging of Microvasculature. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2019</b> , 66, 676-691 <sup>2</sup>	3.2	13
74	Effect of bubble shell nonlinearity on ultrasound nonlinear propagation through microbubble populations. <i>Journal of the Acoustical Society of America</i> , <b>2011</b> , 129, EL76-82	2.2	13
73	Photoacoustics, thermoacoustics, and acousto-optics for biomedical imaging. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2010</b> , 224, 291-306	1.7	13
72	Investigating the nonlinear microbubble response to chirp encoded, multipulse sequences. <i>Ultrasound in Medicine and Biology</i> , <b>2006</b> , 32, 1887-95	3.5	13

71	The use of portable 2D echocardiography and Frame-based Bubble counting as a tool to evaluate diving decompression stress. <i>Diving and Hyperbaric Medicine</i> , <b>2014</b> , 44, 5-13	1	13
70	Ultrasound Imaging with Microbubbles [Life Sciences]. <i>IEEE Signal Processing Magazine</i> , <b>2016</b> , 33, 111-117	3.4	12
69	Effect of albumin and dextrose concentration on ultrasound and microbubble mediated gene transfection in vivo. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 1067-77	3.5	12
68	Stimulated acoustic emission imaging ("sono-scintigraphy") with the ultrasound contrast agent Levovist: a reproducible Doppler ultrasound effect with potential clinical utility. <i>Academic Radiology</i> , <b>1998</b> , 5 Suppl 1, S236-9; discussion S252-3	4.3	12
67	Coherent Multi-Transducer Ultrasound Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2019</b> , 66, 1316-1330	3.2	11
66	Attenuation Correction and Normalisation for Quantification of Contrast Enhancement in Ultrasound Images of Carotid Arteries. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 1876-83	3.5	10
65	Quantitative ultrasound molecular imaging. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 2478-96	3.5	10
64	An approximate nonlinear model for time gain compensation of amplitude modulated images of ultrasound contrast agent perfusion. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2010</b> , 57, 818-29	3.2	10
63	Quantification of Vaporised Targeted Nanodroplets Using High-Frame-Rate Ultrasound and Optics. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 1131-1142	3.5	9
62	Decompression induced bubble dynamics on ex vivo fat and muscle tissue surfaces with a new experimental set up. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 129, 121-9	6	9
61	High-Frame-Rate Tri-Plane Echocardiography With Spiral Arrays: From Simulation to Real-Time Implementation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 57-69	3.2	9
60	Optimal Control of SonoVue Microbubbles to Estimate Hydrostatic Pressure. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 557-567	3.2	9
59	High-Frame-Rate Contrast Echocardiography Using Diverging Waves: Initial In Vitro and In Vivo Evaluation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2018</b> , 65, 2212-2221	3.2	8
58	Single bubble acoustic characterization and stability measurement of adherent microbubbles. <i>Ultrasound in Medicine and Biology</i> , <b>2013</b> , 39, 903-14	3.5	8
57	Modeling non-spherical oscillations and stability of acoustically driven shelled microbubbles. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 131, 4349-57	2.2	8
56	A comparison of <sup>31</sup> P magnetic resonance spectroscopy and microbubble-enhanced ultrasound for characterizing hepatitis c-related liver disease. <i>Journal of Viral Hepatitis</i> , <b>2011</b> , 18, e530-4	3.4	7
55	Measurement of the reflectivity of the intima-medial layer of the common carotid artery improves the discriminatory value of intima-medial thickness measurement as a predictor of risk of atherosclerotic disease. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 1029-38	3.5	7
54	Viscosity measurement based on shear-wave laser speckle contrast analysis. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 121511	3.5	6

53	Tracking shear waves in turbid medium by light: theory, simulation, and experiment. <i>Optics Letters</i> , <b>2014</b> , 39, 1597-600	3	6
52	Effect of ultrasound on adherent microbubble contrast agents. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 6999-7014	3.8	6
51	Comparison of pulse subtraction Doppler and pulse inversion Doppler. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2011</b> , 58, 73-81	3.2	6
50	Enhanced gene transfection in vivo using magnetic localisation of ultrasound contrast agents: Preliminary results <b>2010</b> ,		6
49	Contrast-Enhanced Ultrasound: Basic Physics and Technology Overview <b>2006</b> , 3-14		6
48	Ex vivo delineation of placental angioarchitecture with the microbubble contrast agent Levovist. <i>American Journal of Obstetrics and Gynecology</i> , <b>2000</b> , 182, 966-71	6.4	6
47	Impact of Aperture, Depth, and Acoustic Clutter on the Performance of Coherent Multi-Transducer Ultrasound Imaging. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7655	2.6	5
46	<b>2017</b> ,		5
45	Comparative study of experienced vs non-experienced radiologists in assessing parametric CT images of the response of the prostate gland to radiotherapy. <i>British Journal of Radiology</i> , <b>2008</b> , 81, 572-64	3.4	5
44	P1F-4 High Speed Optical Observations and Simulation Results of Lipid Based Microbubbles at Low Insonation Pressures <b>2006</b> ,		5
43	Flow Visualization Through Locally Activated Nanodroplets and High Frame Rate Imaging <b>2018</b> ,		5
42	Detecting tissue optical and mechanical properties with an ultrasound modulated optical imaging system in reflection detection geometry. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 63-71	3.5	4
41	Localisation of multiple non-isolated microbubbles with frequency decomposition in super-resolution imaging <b>2017</b> ,		4
40	Albumin coated microbubble optimization: custom fabrication and comprehensive characterization. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 1599-607	3.5	4
39	Hepatic vein transit times of a microbubble agent in assessing response to antiviral treatment in patients with chronic hepatitis C. <i>Journal of Viral Hepatitis</i> , <b>2010</b> , 17, 778-83	3.4	4
38	P4D-7 Nonlinear Propagation of Ultrasound Through Microbubble Clouds: A Novel Numerical Implementation. <i>Proceedings IEEE Ultrasonics Symposium</i> , <b>2007</b> ,		4
37	Enhancement characteristics of the microbubble agent Levovist: reproducibility and interaction with aspirin. <i>European Journal of Radiology</i> , <b>2002</b> , 41, 179-83	4.7	4
36	Motion Artifacts and Correction in Multipulse High-Frame Rate Contrast-Enhanced Ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2019</b> , 66, 417-420	3.2	4



35	Pulse Pileup Correction of Signals From a Pyroelectric Sensor for Phase-Insensitive Ultrasound Computed Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 3920-3931	5.2	3
34	Dual shear wave induced laser speckle contrast signal and the improvement in shear wave speed measurement. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 1954-62	3.5	3
33	Two Stage Sub-Wavelength Motion Correction in Human Microvasculature for CEUS Imaging <b>2017</b> ,		3
32	Characterization of focal liver lesions with phase inversion ultrasound during the late liver-specific phase of Levovist. <i>Academic Radiology</i> , <b>2002</b> , 9 Suppl 2, S375	4.3	3
31	Coherent multi-transducer ultrasound imaging in the presence of aberration <b>2019</b> ,		3
30	Ultrasound: General Principles <b>2008</b> , 55-77		3
29	Acoustic Wave Sparsely-Activated Localization Microscopy (AWSALM): In Vivo Fast Ultrasound Super-Resolution Imaging using Nanodroplets <b>2019</b> ,		3
28	3-D Motion Correction for Volumetric Super-Resolution Ultrasound Imaging. <i>Ultrasonics Symposium (IUS), 2009 IEEE International</i> , <b>2018</b> , 2018,	0.8	3
27	Ultrasound phase velocities in SonoVue as a function of pressure and bubble concentration <b>2009</b> ,		2
26	Photoacoustic Super-Resolution Imaging using Laser Activation of Low-Boiling-Point Dye-Coated Nanodroplets in vitro and in vivo <b>2019</b> ,		2
25	Minimization of Nanodroplet Activation Time using Focused-Pulses for Droplet-Based Ultrasound Super-Resolution Imaging <b>2019</b> ,		2
24	<b>2019</b> ,		2
23	3D in Vitro Ultrasound Super-Resolution Imaging Using a Clinical System <b>2018</b> ,		2
22	Dynamics of targeted microbubble adhesion under pulsatile compared with steady flow. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 2445-57	3.5	1
21	Prospects for enhancement of targeted radionuclide therapy of cancer using ultrasound. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2014</b> , 57, 279-84	1.9	1
20	Localisation of multiple non-isolated microbubbles with frequency decomposition in super-resolution imaging <b>2017</b> ,		1
19	Investigation of microbubble detection methods for super-resolution imaging of microvasculature <b>2017</b> ,		1
18	A study on optical modulation signal and tissue displacement in ultrasound modulated optical tomography <b>2009</b> ,		1



17	Pulse subtraction Doppler. <i>Physics Procedia</i> , <b>2010</b> , 3, 749-753		1
16	A novel technique to measure splanchnic transit time using microbubble ultrasound. <i>Investigative Radiology</i> , <b>2005</b> , 40, 80-4	10.1	1
15	Ring Artifact Correction for Phase-Insensitive Ultrasound Computed Tomography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 513-525	3.2	1
14	Super-Resolution Ultrasound Image Filtering with Machine-Learning to Reduce the Localization Error <b>2019</b> ,		1
13	Extension of Coherent Multi-Transducer Ultrasound Imaging with Diverging Waves <b>2019</b> ,		1
12	3-D Super-Resolution Ultrasound Imaging Using a 2-D Sparse Array with High Volumetric Imaging Rate <b>2018</b> ,		1
11	A Temporal and Spatial Analysis Approach to Automated Segmentation of Microbubble Signals in Contrast-Enhanced Ultrasound Images: Application to Quantification of Active Vascular Density in Human Lower Limbs. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 2221-2234	3.5	
10	Cyclosporine A does not alter ultrasonic indices of renal blood flow: a potential tool for differentiating toxicity from acute rejection?. <i>Transplantation</i> , <b>2005</b> , 79, 731-4		1.8
9	Methodology for Imaging Time-Dependent Phenomena <b>2005</b> , 303-335		
8	Quantitative Analysis of Parenchymal Flow at Contrast-Enhanced US <b>2005</b> , 383-391		
7	Use of a Microbubble Contrast Agent in the Evaluation of Cirrhotic Patients for Hepatopulmonary Syndrome: Preliminary Assessment of a Novel Technique. <i>Ultrasound</i> , <b>2005</b> , 13, 100-105		1.3
6	Breast. <i>Ultrasound in Medicine and Biology</i> , <b>2000</b> , 26 Suppl 1, S110-5		3.5
5	Microbulles ciblées pour l'imagerie ultrasonore <b>2007</b> , 321-328		
4	Physics of Microbubble Contrast Agents <b>2021</b> , 1-11		
3	Potential for Quantification. <i>Medical Radiology</i> , <b>1999</b> , 343-353		0.2
2	Characterisation of Functionalised Microbubbles for Ultrasound Imaging and Therapy <b>2018</b> , 375-389		
1	Magnetic Microbubbles <b>2012</b> , 499-522		