Jeffrey Bamber

List of Publications by Year in Descending Order

199 papers	7,639 citations	45 h-index	83 g-index
248 ext. papers	8,925 ext. citations	4.4 avg, IF	5.56 L-index

#	Paper	IF	Citations
199	Introduction to Optical Coherence Elastography **2021**, 1-32		0
198	A Cross-Machine Comparison of Shear-Wave Speed Measurements Using 2D Shear-Wave Elastography in the Normal Female Breast. *Applied Sciences (Switzerland)*, **2021**, 11, 9391	2.6	0
197	Inclusion of a Charge Sharing Correction Algorithm Into an X-Ray Photon Counting Spectral Detector Simulation Framework. *IEEE Transactions on Radiation and Plasma Medical Sciences*, **2021**, 5, 485-492	4.2	1
196	Characterisation of Prostate Lesions Using Transrectal Shear Wave Elastography (SWE) Ultrasound Imaging: A Systematic Review. *Cancers*, **2021**, 13,	6.6	5
195	Theranostic Attributes of Acoustic Cluster Therapy and Its Use for Enhancing the Effectiveness of Liposomal Doxorubicin Treatment of Human Triple Negative Breast Cancer in Mice. *Frontiers in Pharmacology*, **2020**, 11, 75	5.6	11
194	Improving 3D ultrasound prostate localisation in radiotherapy through increased automation of interfraction matching. *Radiotherapy and Oncology*, **2020**, 149, 134-141	5.3	2
193	The Stacked-Ellipse Algorithm: An Ultrasound-Based 3-D Uterine Segmentation Tool for Enabling Adaptive Radiotherapy for Uterine Cervix Cancer. *Ultrasound in Medicine and Biology*, **2020**, 46, 1040-1052	3.5	2
192	The Effects of Spectral X-Ray Photon Counting Detector Parameters on Detector Performance: Thickness and Pitch. *IEEE Access*, **2020**, 8, 196541-196552	3.5	1
191	Recent developments in non-coplanar radiotherapy. *British Journal of Radiology*, **2019**, 92, 20180908	3.4	27
190	Combined Ultrasound and Cone Beam CT Improves Target Segmentation for Image Guided Radiation Therapy in Uterine Cervix Cancer. *International Journal of Radiation Oncology Biology Physics*, **2019**, 104, 685-693	4	7
189	Plane wave versus focused transmissions for contrast enhanced ultrasound imaging: the role of parameter settings and the effects of flow rate on contrast measurements. *Physics in Medicine and Biology*, **2019**, 64, 095003	3.8	2
188	Investigating the Contribution of Collagen to the Tumor Biomechanical Phenotype with Noninvasive Magnetic Resonance Elastography. *Cancer Research*, **2019**, 79, 5874-5883	10.1	16
187	Dosimetric accuracy of dynamic couch rotation during volumetric modulated arc therapy (DCR-VMAT) for primary brain tumours. *Physics in Medicine and Biology*, **2019**, 64, 08NT01	3.8	4
186	Contrast-Enhanced Photoacoustic Imaging of Low-boiling-point Phase-Change Nanodroplets **2019**,		3
185	High Signal-to-Noise Ratio Contrast-Enhanced Photoacoustic Imaging using Acoustic Sub-Aperture Processing and Spatiotemporal Filtering **2019**,		4
184	Photoacoustic Super-Resolution Imaging using Laser Activation of Low-Boiling-Point Dye-Coated Nanodroplets in vitro and in vivo **2019**,		2
183	Therapeutic Dose Response of Acoustic Cluster Therapy in Combination With Irinotecan for the Treatment of Human Colon Cancer in Mice. *Frontiers in Pharmacology*, **2019**, 10, 1299	5.6	6

182	Quantitative photoacoustic imaging study of tumours in vivo: Baseline variations in quantitative measurements. *Photoacoustics*, **2019**, 13, 53-65	9	10
181	Ultrasound Shear Wave Elastography of the Normal Prostate: Interobserver Reproducibility and Comparison with Functional Magnetic Resonance Tissue Characteristics. *Ultrasonic Imaging*, **2018**, 40, 158-170	1.9	9
180	Near-infrared photoimmunotherapy targeting EGFR-Shedding new light on glioblastoma treatment. *International Journal of Cancer*, **2018**, 142, 2363-2374	7.5	34
179	Validation of the Vectra XT three-dimensional imaging system for measuring breast volume and symmetry following oncological reconstruction. *Breast Cancer Research and Treatment*, **2018**, 171, 391-398	4.4	20
178	In Vivo Validation of Elekta's Clarity Autoscan for Ultrasound-based Intrafraction Motion Estimation of the Prostate During Radiation Therapy. *International Journal of Radiation Oncology Biology Physics*, **2018**, 102, 912-921	4	22
177	Further characterization of changes in axial strain elastograms due to the presence of slippery tumor boundaries. *Journal of Medical Imaging*, **2018**, 5, 021211	2.6	0
176	Diagnostic ultrasound probes: a typology and overview of technologies. *Current Directions in Biomedical Engineering*, **2018**, 4, 49-53	0.5	2
175	**2018**,		1
174	High-frequency ultrasound for diagnosing skin cancer in adults. *The Cochrane Library*, **2018**, 12, CD013188	5.2	29
173	PO-0893: Dosimetric accuracy and delivery efficiency of dynamic couch rotation VMAT (DCR-VMAT). *Radiotherapy and Oncology*, **2018**, 127, S474	5.3	2
172	Computer-assisted diagnosis techniques (dermoscopy and spectroscopy-based) for diagnosing skin cancer in adults. *The Cochrane Library*, **2018**, 12, CD013186	5.2	32
171	EFSUMB Guidelines and Recommendations on the Clinical Use of Liver Ultrasound Elastography, Update 2017 (Long Version). *Ultraschall in Der Medizin*, **2017**, 38, e16-e47	3.8	383
170	EFSUMB Guidelines and Recommendations on the Clinical Use of Liver Ultrasound Elastography, Update 2017 (Short Version). *Ultraschall in Der Medizin*, **2017**, 38, 377-394	3.8	62
169	Towards ultrasound-guided adaptive radiotherapy for cervical cancer: Evaluation of Elekta's semiautomated uterine segmentation method on 3D ultrasound images. *Medical Physics*, **2017**, 44, 3630-3638	4.4	6
168	Optically and acoustically triggerable sub-micron phase-change contrast agents for enhanced photoacoustic and ultrasound imaging. *Photoacoustics*, **2017**, 6, 26-36	9	36
167	Correlation of Ultrasound Shear Wave Elastography with Pathological Analysis in a Xenografic Tumour Model. *Scientific Reports*, **2017**, 7, 165	4.9	17
166	Value of combining dynamic contrast enhanced ultrasound and optoacoustic tomography for hypoxia imaging. *Photoacoustics*, **2017**, 8, 15-27	9	8
165	Detecting human melanoma cell re-differentiation following BRAF or heat shock protein 90 inhibition using photoacoustic and magnetic resonance imaging. *Scientific Reports*, **2017**, 7, 8215	4.9	7

164	A Monte Carlo study of the effect of an ultrasound transducer on surface dose during intrafraction motion imaging for external beam radiation therapy. *Medical Physics*, **2017**, 44, 5020-5033	4.4	4
163	Ultrasound Tomography Evaluation of Breast Density: A Comparison With Noncontrast Magnetic Resonance Imaging. *Investigative Radiology*, **2017**, 52, 343-348	10.1	25
162	Multi-Channel Optical Coherence Elastography Using Relative and Absolute Shear-Wave Time of Flight. *PLoS ONE*, **2017**, 12, e0169664	3.7	4
161	Gold nanorod reshaping in vitro and in vivo using a continuous wave laser. *PLoS ONE*, **2017**, 12, e0185990	3.7	17
160	Review of ultrasound image guidance in external beam radiotherapy part II: intra-fraction motion management and novel applications. *Physics in Medicine and Biology*, **2016**, 61, R90-137	3.8	63
159	Acoustic Cluster Therapy (ACT) enhances the therapeutic efficacy of paclitaxel and Abraxane for treatment of human prostate adenocarcinoma in mice. *Journal of Controlled Release*, **2016**, 236, 15-21	11.7	29
158	Investigation of In Vivo skin stiffness anisotropy in breast cancer related lymphoedema. *Journal of Biomechanics*, **2016**, 49, 94-99	2.9	9
157	Temporal regularization of ultrasound-based liver motion estimation for image-guided radiation therapy. *Medical Physics*, **2016**, 43, 455	4.4	14
156	Ultrasound Elastography **2016**, 173-187		1
155	Non-coplanar trajectories to improve organ at risk sparing in volumetric modulated arc therapy for primary brain tumors. *Radiotherapy and Oncology*, **2016**, 121, 124-131	5.3	28
154	Review of ultrasound image guidance in external beam radiotherapy: I. Treatment planning and inter-fraction motion management. *Physics in Medicine and Biology*, **2015**, 60, R77-114	3.8	69
153	Exploring the biomechanical properties of brain malignancies and their pathologic determinants in vivo with magnetic resonance elastography. *Cancer Research*, **2015**, 75, 1216-1224	10.1	64
152	WFUMB guidelines and recommendations for clinical use of ultrasound elastography: Part 1: basic principles and terminology. *Ultrasound in Medicine and Biology*, **2015**, 41, 1126-47	3.5	483
151	WFUMB guidelines and recommendations for clinical use of ultrasound elastography: Part 3: liver. *Ultrasound in Medicine and Biology*, **2015**, 41, 1161-79	3.5	390
150	WFUMB guidelines and recommendations for clinical use of ultrasound elastography: Part 2: breast. *Ultrasound in Medicine and Biology*, **2015**, 41, 1148-60	3.5	255
149	MO-DE-210-05: Improved Accuracy of Liver Feature Motion Estimation in B-Mode Ultrasound for Image-Guided Radiation Therapy. *Medical Physics*, **2015**, 42, 3560-3560	4.4	2
148	4D ultrasound speckle tracking of intra-fraction prostate motion: a phantom-based comparison with x-ray fiducial tracking using CyberKnife. *Physics in Medicine and Biology*, **2014**, 59, 1701-20	3.8	16
147	In Vivo response to compression of 35 breast lesions observed with a two-dimensional locally regularized strain estimation method. *Ultrasound in Medicine and Biology*, **2014**, 40, 300-12	3.5	8

146	Tumour biomechanical response to the vascular disrupting agent ZD6126 in vivo assessed by magnetic resonance elastography. *British Journal of Cancer*, **2014**, 110, 1727-32	8.7	38
145	Non-invasive molecular profiling of cancer using photoacoustic imaging of functionalized gold nanorods **2014**,		1
144	A novel technique of detecting MRI-negative lesion in focal symptomatic epilepsy: intraoperative ShearWave elastography. *Epilepsia*, **2014**, 55, e30-3	6.4	31
143	Photoacoustic clutter reduction using short-lag spatial coherence weighted imaging **2014**,		11
142	SU-E-J-135: An Investigation of Ultrasound Imaging for 3D Intra-Fraction Prostate Motion Estimation. *Medical Physics*, **2014**, 41, 187-187	4.4	
141	Multi-directional in vivo tensile skin stiffness measurement for the design of a reproducible tensile strain elastography protocol. *Skin Research and Technology*, **2013**, 19, e37-44	1.9	15
140	Vessel orientation-dependent sensitivity of optoacoustic imaging using a linear array transducer. *Journal of Biomedical Optics*, **2013**, 18, 26011	3.5	22
139	Performance characterisation of a new clinical spectroscopic epiphotoacoustic scanner **2013**,		2
138	Clutter elimination for deep clinical optoacoustic imaging using localised vibration tagging (LOVIT). *Photoacoustics*, **2013**, 1, 19-29	9	37
137	Trajectory optimization for dynamic couch rotation during volumetric modulated arc radiotherapy. *Physics in Medicine and Biology*, **2013**, 58, 8163-77	3.8	40
136	Calibration of ultrasound backscatter temperature imaging for high-intensity focused ultrasound treatment planning. *Ultrasound in Medicine and Biology*, **2013**, 39, 1596-612	3.5	13
135	Feasibility of skin surface elastography by tracking skin surface topography. *Journal of Biomedical Optics*, **2013**, 18, 121513	3.5	10
134	Slip elastography: a novel method for visualising and characterizing adherence between two surfaces in contact. *Ultrasonics*, **2012**, 52, 364-76	3.5	12
133	Preliminary investigation into the use of ultrasound elastography during brain tumour resection. *Ultrasound*, **2012**, 20, 33-40	1.3	13
132	Deformation-compensated averaging for clutter reduction in epiphotoacoustic imaging in vivo. *Journal of Biomedical Optics*, **2012**, 17, 066007	3.5	25
131	Potential for quantitative microelastography using a multi-channel optical coherence method **2012**,		1
130	Micro-moulded randomised piezocomposites for high frequency ultrasound imaging **2012**,		4
129	In vivo liver tracking with a high volume rate 4D ultrasound scanner and a 2D matrix array probe. *Physics in Medicine and Biology*, **2012**, 57, 1359-74	3.8	39

128	Clinical feasibility of duplex photoacoustic and ultrasound pulse-echo imaging using photoacoustic transmit pulses **2011**,		1
127	A two-dimensional locally regularized strain estimation technique: preliminary clinical results for the assessment of benign and malignant breast lesions **2011**,		2
126	A new method for the acquisition of ultrasonic strain image volumes. *Ultrasound in Medicine and Biology*, **2011**, 37, 434-41	3.5	5
125	The effect of object speed and direction on the performance of 3D speckle tracking using a 3D swept-volume ultrasound probe. *Physics in Medicine and Biology*, **2011**, 56, 7127-43	3.8	10
124	An ezrin-rich, rigid uropod-like structure directs movement of amoeboid blebbing cells. *Journal of Cell Science*, **2011**, 124, 1256-67	5.3	88
123	WE-D-220-03: The Effect of Object Speed on the Performance of 3D Speckle Tracking Using a 3D Swept-Volume Probe for the Purpose of Ultrasound-Guided Radiotherapy. *Medical Physics*, **2011**, 38, 3813-3813	4.4	
122	3D Liver tracking using a matrix array: Implications for ultrasonic guidance of IMRT **2010**,		6
121	Speckle tracking in a phantom and feature-based tracking in liver in the presence of respiratory motion using 4D ultrasound. *Physics in Medicine and Biology*, **2010**, 55, 3363-80	3.8	57
120	Toward characterizing the size of microscopic optical absorbers using optoacoustic emission spectroscopy **2010**,		2
119	Quantitative ultrasonic elastography for gel dosimetry. *Ultrasound in Medicine and Biology*, **2010**, 36, 268-75	3.5	13
118	Real-time ultrasound elastography in neurosurgery **2009**,		8
117	Radiation dose imaging with ultrasound shear-wave elastography and radiation sensitive gels **2009**,		1
116	Characterization of dose-dependent Young's modulus for a radiation-sensitive polymer gel. *Physics in Medicine and Biology*, **2009**, 54, 843-57	3.8	9
115	Evaluation of experimental methods for assessing safety for ultrasound radiation force elastography. *British Journal of Radiology*, **2009**, 82, 666-74	3.4	15
114	Imaging of dose distributions using polymer gels based on radiation induced changes in stiffness. *Journal of Physics: Conference Series*, **2009**, 164, 012039	0.3	
113	The spatio-temporal strain response of oedematous and nonoedematous tissue to sustained compression in vivo. *Ultrasound in Medicine and Biology*, **2008**, 34, 617-29	3.5	27
112	Reflectance of human skin using colour photometric stereo: with particular application to pigmented lesion analysis. *Skin Research and Technology*, **2008**, 14, 173-9	1.9	24
111	P4F-2 Ultrasonic Elastography and Plane Strain Inverse Algorithms for Polymer Gel Dosimetry. *Proceedings IEEE Ultrasonics Symposium*, **2007**,		2

110	4C-5 Combining High Frequency Ultrasound Reflex Transmission Imaging and Imaging Spectrophotometry for the Diagnosis of Skin Cancer. *Proceedings IEEE Ultrasonics Symposium*, **2007**,		1
109	Targeted retroviral gene delivery using ultrasound. *Journal of Gene Medicine*, **2007**, 9, 77-87	3.5	42
108	Transient elastography using impulsive ultrasound radiation force: a preliminary comparison with surface palpation elastography. *Ultrasound in Medicine and Biology*, **2007**, 33, 959-69	3.5	45
107	Object surface recovery using a multi-light photometric stereo technique for non-Lambertian surfaces subject to shadows and specularities. *Image and Vision Computing*, **2007**, 25, 1050-1057	3.7	59
106	Characterization of the ultrasonic attenuation coefficient and its frequency dependence in a polymer gel dosimeter. *Physics in Medicine and Biology*, **2007**, 52, 6747-59	3.8	8
105	Performance of ultrasound based measurement of 3D displacement using a curvilinear probe for organ motion tracking. *Physics in Medicine and Biology*, **2007**, 52, 5683-703	3.8	31
104	Elastography for breast cancer diagnosis using radiation force: system development and performance evaluation. *Ultrasound in Medicine and Biology*, **2006**, 32, 387-96	3.5	32
103	Towards an acoustic model-based poroelastic imaging method: I. Theoretical foundation. *Ultrasound in Medicine and Biology*, **2006**, 32, 547-67	3.5	63
102	Spatial and acoustic pressure dependence of microbubble-mediated gene delivery targeted using focused ultrasound. *Journal of Gene Medicine*, **2006**, 8, 1347-57	3.5	40
101	Ultrasound Elastography of the Skin and Subcutis under Surface Extensive Loading. *Ultrasound*, **2006**, 14, 161-166	1.3	8
100	P2E-4 Transient Ultrasound Radiation Force Elastography. Preliminary Comparison with Surface Palpation Elastography **2006**,		1
99	Coupling between elastic strain and interstitial fluid flow: ramifications for poroelastic imaging. *Physics in Medicine and Biology*, **2006**, 51, 6291-313	3.8	53
98	High-resolution ultrasound reflex transmission imaging and digital photography: potential tools for the quantitative assessment of pigmented lesions. *Skin Research and Technology*, **2006**, 12, 50-9	1.9	17
97	Physical parameters affecting ultrasound/microbubble-mediated gene delivery efficiency in vitro. *Ultrasound in Medicine and Biology*, **2006**, 32, 1269-79	3.5	119
96	Towards an acoustic model-based poroelastic imaging method: II. experimental investigation. *Ultrasound in Medicine and Biology*, **2006**, 32, 1869-85	3.5	30
95	Detection and Measurement of Acoustic Fields **2005**, 69-91		
94	Medical ultrasound: research trends that may drive sensor development. *Journal of Physics: Conference Series*, **2005**, 15, 1-6	0.3	4
93	Attenuation and Absorption **2005**, 93-166		13

92	Reflection and Scattering **2005**, 191-222		3
91	Ultrasonic Images and the Eye of the Observer **2005**, 237-253		
90	Generation and Structure of Acoustic Fields **2005**, 41-68		1
89	Methodology for Imaging Time-Dependent Phenomena **2005**, 303-335		
88	Therapeutic and Surgical Applications **2005**, 407-456		1
87	Speed of Sound **2005**, 167-190		3
86	Ultrasonic Biophysics **2005**, 349-406		2
85	Ultrasonic temperature imaging for guiding focused ultrasound surgery: effect of angle between imaging beam and therapy beam. *Ultrasound in Medicine and Biology*, **2005**, 31, 401-13	3.5	23
84	Basic Acoustic Theory **2005**, 1-40		
83	The Wider Context of Sonography **2005**, 337-347		1
82	Assessment of Possible Hazard in Use **2005**, 457-486		1
81	Epilogue: Historical Perspectives **2005**, 487-489		
80	Physical Chemistry of the Ultrasound Tissue Interaction **2005**, 223-235		5
79	Methodology for Clinical Investigation **2005**, 255-302		1
78	Feasibility of using ultrasound for real-time tracking during radiotherapy. *Medical Physics*, **2005**, 32, 1500-12	4.4	52
77	Evaluation of the adjoint equation based algorithm for elasticity imaging. *Physics in Medicine and Biology*, **2004**, 49, 2955-74	3.8	125
76	Characterization of cardiovascular liver motion for the eventual application of elasticity imaging to the liver in vivo. *Physics in Medicine and Biology*, **2004**, 49, 4187-206	3.8	21
75	Dual-frequency ultrasound examination of skin and subcutis thickness in breast cancer-related lymphedema. *Breast Journal*, **2004**, 10, 496-503	1.2	80

74	Imaging of temperature-induced echo strain: preliminary in vitro study to assess feasibility for guiding focused ultrasound surgery. *Ultrasound in Medicine and Biology*, **2004**, 30, 345-56	3.5	66
73	Ultrasonic measurement of the temperature distribution due to absorption of diagnostic ultrasound: potential and limitations. *Journal of Physics: Conference Series*, **2004**, 1, 128-133	0.3	1
72	A Clinical Ultrasound Scanner Developed for Imaging the Relative Surface Attenuation, Reflectivity and Profile of Skin Lesions. *Acoustical Imaging*, **2004**, 511-518		1
71	Development and design of a new spectral imaging system for melanoma research **2003**,		1
70	B-Mode Speckle Texture: The Effect of Spatial Coherence **2002**, 141-146		2
69	Spatial Coherence and Beamformer Gain **2002**, 43-48		8
68	Real time tissue elasticity imaging using the combined autocorrelation method. *Journal of Medical Ultrasonics (2001)*, **2002**, 29, 119-28	1.4	135
67	Fundamental limitations of noninvasive temperature imaging by means of ultrasound echo strain estimation. *Ultrasound in Medicine and Biology*, **2002**, 28, 1319-33	3.5	132
66	Reconstructing Young Modulus Distributions within Soft Tissues From Freehand Elastograms **2002**, 469-476		1
65	Monitoring pigmented skin lesions **2002**,		1
64	Quantitative elasticity imaging: what can and cannot be inferred from strain images. *Physics in Medicine and Biology*, **2002**, 47, 2147-64	3.8	125
63	Elastic Contrast Detection: A Comparison of Performance for Elastography and For the Direct Observation of B-Mode Movies during Palpation **2002**, 477-484		
62	High Frequency Reflex Transmission Imaging: Feasibility for Eventual Application to the Diagnosis of Skin Tumours **2002**, 325-330		3
61	A freehand elastographic imaging approach for clinical breast imaging: system development and performance evaluation. *Ultrasound in Medicine and Biology*, **2001**, 27, 1347-57	3.5	130
60	Differentiation of common benign pigmented skin lesions from melanoma by high-resolution ultrasound. *British Journal of Dermatology*, **2000**, 143, 281-9	4	83
59	Evaluation of an iterative reconstruction method for quantitative elastography. *Physics in Medicine and Biology*, **2000**, 45, 1521-40	3.8	208
58	Classification of reflectance spectra from pigmented skin lesions, a comparison of multivariate discriminant analysis and artificial neural networks. *Physics in Medicine and Biology*, **2000**, 45, 2859-71	3.8	37
57	Thresholds for visual detection of Young's modulus contrast in simulated ultrasound image movies. *Physics in Medicine and Biology*, **2000**, 45, 2057-79	3.8	9

56	Spectrophotometric assessment of pigmented skin lesions: methods and feature selection for evaluation of diagnostic performance. *Physics in Medicine and Biology*, **2000**, 45, 735-51	3.8	85
55	Evaluation of soft-tissue masses using segmented color Doppler velocity images: preliminary observations. *American Journal of Roentgenology*, **1999**, 172, 781-8	5.4	18
54	Ultrasound elasticity imaging: definition and technology. *European Radiology*, **1999**, 9 Suppl 3, S327-30	8	26
53	Layered Monte Carlo model for the description of diffuse reflectance spectra from pigmented skin lesions **1999**,		1
52	Visual detectability of elastic contrast in real-time ultrasound images **1997**,		2
51	Can relative contrast agent concentration be measured in vivo with color Doppler US?. *Radiology*, **1997**, 204, 279-81	20.5	10
50	Non-Invasive Temperature Imaging Using Ultrasound Echo Strain: Preliminary Simulations. *Acoustical Imaging*, **1997**, 25-33		3
49	Microbubble contrast agent for color Doppler US: effect on breast masses. Work in progress. *Radiology*, **1996**, 198, 679-86	20.5	163
48	Potential for Tissue Movement Compensation in Conformai, Cancer Therapy. *Acoustical Imaging*, **1996**, 239-244		2
47	Freehand Elasticity Imaging Using Speckle Decorrelation Rate. *Acoustical Imaging*, **1996**, 285-292		36
46	Segmentation and analysis of colour Doppler images of tumour vasculature. *Ultrasound in Medicine and Biology*, **1995**, 21, 635-47	3.5	44
45	Adaptive speckle reduction for improving the differential diagnosis of breast lesions. *Journal of Ultrasound in Medicine*, **1995**, 14, 217-27	2.9	3
44	Automated quantification of color Doppler signals: a preliminary study in breast tumors. *Radiology*, **1995**, 197, 39-43	20.5	46
43	Ultrasonic propagation properties of excised human skin. *Ultrasound in Medicine and Biology*, **1995**, 21, 1177-90	3.5	76
42	Colour DOPPLER image analysis for tissue vascularity and perfusion: a preliminary clinical evaluation. *Ultrasound in Medicine and Biology*, **1995**, 21, 1107-17	3.5	12
41	Breast carcinoma: measurement of tumor response to primary medical therapy with color Doppler flow imaging. *Radiology*, **1994**, 190, 825-30	20.5	80
40	Acoustic properties of lesions generated with an ultrasound therapy system. *Ultrasound in Medicine and Biology*, **1993**, 19, 789-801	3.5	120
39	Compensation for the signal processing characteristics of ultrasound B-mode scanners in adaptive speckle reduction. *Ultrasound in Medicine and Biology*, **1993**, 19, 469-85	3.5	33

38	Breast diseases: color Doppler US in differential diagnosis. *Radiology*, **1993**, 189, 99-104	20.5	208
37	High frequency, high resolution B-scan ultrasound in the assessment of skin tumours. *British Journal of Dermatology*, **1993**, 128, 525-32	4	144
36	Visual impact of adaptive speckle reduction on US B-mode images. *Radiology*, **1992**, 183, 555-61	20.5	17
35	Data processing for 3-D ultrasound visualization of tumor anatomy and blood flow **1992**,		9
34	Effects of Speckle Reduction Processing on Ultrasound B-Mode Images of Skin Tumours. *Acoustical Imaging*, **1992**, 447-452		1
33	Correlation between Histology and High Resolution Echographic Images of Small Skin Tumours. *Acoustical Imaging*, **1992**, 369-374		10
32	A new coaxial needle for pre-operative localization of breast abnormalities. *British Journal of Radiology*, **1991**, 64, 699-707	3.4	2
31	Real-time implementation of coherent speckle suppression in B-scan images. *Ultrasonics*, **1991**, 29, 218-24	3.5	24
30	What might echography learn from image science?. *Ultrasound in Medicine and Biology*, **1991**, 17, 559-75	3.5	14
29	Quantitative Imaging of Acoustical and Histological Properties of Excised Tissues. *Acoustical Imaging*, **1991**, 17-25		1
28	Performance criteria for quantitative ultrasonography and image parameterisation. *Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicistsi Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics* , **1990**, 11 Suppl A, 57-73		18
27	Color Doppler signals from breast tumors. Work in progress. *Radiology*, **1990**, 176, 175-80	20.5	156
26	Quantitative effects of speckle reduction on cross sectional echocardiographic images. *Heart*, **1989**, 62, 298-304	5.1	16
25	Fast Image Processing Systems For Evaluating The Clinical Potential Of Ultrasound Speckle Suppression And Parametric Imaging **1989**,		2
24	Dynamic tests in real-time breast echography. *Ultrasound in Medicine and Biology*, **1988**, 14 Suppl 1, 53-7	3.5	62
23	Application of Fourier analysis to clinical study of patterns of tissue movement. *Ultrasound in Medicine and Biology*, **1988**, 14, 695-707	3.5	57
22	Quantitative evaluation of real-time ultrasound features of the breast. *Ultrasound in Medicine and Biology*, **1988**, 14 Suppl 1, 81-7	3.5	30
21	Perceptual Studies Of Contrast, Texture And Detail In Ultrasound B-Scans **1988**, 0914, 40		5

20	Texture Analysis And Speckle Reduction In Medical Echography **1987**, 0768, 120		8
19	Ultrasonic Doppler study of the hormonal response of blood flow in the normal human breast. *Ultrasound in Medicine and Biology*, **1987**, 13, 121-9	3.5	20
18	Adaptive filtering for reduction of speckle in ultrasonic pulse-echo images. *Ultrasonics*, **1986**, 24, 41-4	3.5	200
17	Ultrasonic study of in vivo kinetic characteristics of human tissues. *Ultrasound in Medicine and Biology*, **1986**, 12, 927-37	3.5	69
16	Tumour growth delay as a clinical endpoint for the measurement of radiation response. *Radiotherapy and Oncology*, **1986**, 5, 207-14	5.3	8
15	Tissue characterisation at WFUMB '85. *Ultrasound in Medicine and Biology*, **1986**, 12, 725-728	3.5	3
14	Effect of gaseous inclusions on the frequency dependence of ultrasonic attenuation in liver. *Ultrasound in Medicine and Biology*, **1985**, 11, 293-8	3.5	22
13	A preliminary assessment of an ultrasonic Doppler method for the study of blood flow in human breast cancer. *Ultrasound in Medicine and Biology*, **1982**, 8, 357-64	3.5	45
12	Acoustic properties of normal and cancerous human liver-I. Dependence on pathological condition. *Ultrasound in Medicine and Biology*, **1981**, 7, 121-33	3.5	162
11	Acoustic properties of normal and cancerous human liver-II. Dependence of tissue structure. *Ultrasound in Medicine and Biology*, **1981**, 7, 135-44	3.5	121
10	Ultrasonic attenuation in fresh human tissues. *Ultrasonics*, **1981**, 19, 187-8	3.5	14
9	Ultrasonic B-scanning: a computer simulation. *Physics in Medicine and Biology*, **1980**, 25, 463-79	3.8	185
8	Ultrasonic propagation through fixed and unfixed tissues. *Ultrasound in Medicine and Biology*, **1979**, 5, 159-65	3.5	87
7	Ultrasonic attenuation and propagation speed in mammalian tissues as a function of temperature. *Ultrasound in Medicine and Biology*, **1979**, 5, 149-57	3.5	278
6	Ultrasonic attenuation and backscattering by mammalian organs as a function of time after excision. *Ultrasound in Medicine and Biology*, **1977**, 3, 15-20	3.5	72
5	The-effective directivity characteristic of a pulsed ultrasound transducer and its measurement by semi-automatic means. *Ultrasonics*, **1977**, 15, 169-174	3.5	21
4			3
3	Ultrasonic properties of tissues		15

List of Publications

2	Quantitative photoacoustic imaging study of tumours in vivo: baseline variations in quantitative measurements	1
1	Acoustical Characteristics of Biological Media1703-1726	12