Jeffrey Bamber

List of Publications by Year
in descending order

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236	10,051	41258	38300
papers	citations	49 h-index	95 g-index

248	248	248	7339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	WFUMB Guidelines and Recommendations for Clinical Use of Ultrasound Elastography: Part 1: Basic Principles and Terminology. Ultrasound in Medicine and Biology, 2015, 41, 1126-1147.	0.7	718
2	EFSUMB Guidelines and Recommendations on the Clinical Use of Liver Ultrasound Elastography, Update 2017 (Long Version). Ultraschall in Der Medizin, 2017, 38, e16-e47.	0.8	659
3	WFUMB Guidelines and Recommendations for Clinical Use of Ultrasound Elastography: Part 3: Liver. Ultrasound in Medicine and Biology, 2015, 41, 1161-1179.	0.7	620
4	WFUMB Guidelines and Recommendations for Clinical Use of Ultrasound Elastography: Part 2: Breast. Ultrasound in Medicine and Biology, 2015, 41, 1148-1160.	0.7	368
5	Ultrasonic attenuation and propagation speed in mammalian tissues as a function of temperature. Ultrasound in Medicine and Biology, 1979, 5, 149-157.	0.7	323
6	Breast diseases: color Doppler US in differential diagnosis.. Radiology, 1993, 189, 99-104.	3.6	252
7	Adaptive filtering for reduction of speckle in ultrasonic pulse-echo images. Ultrasonics, 1986, 24, 41-44.	2.1	240
8	Evaluation of an iterative reconstruction method for quantitative elastography. Physics in Medicine and Biology, 2000, 45, 1521-1540.	1.6	237
9	Ultrasonic B-scanning: a computer simulation. Physics in Medicine and Biology, 1980, 25, 463-479.	1.6	222
10	Acoustic properties of normal and cancerous human liverâ€”I. Dependence on pathological condition. Ultrasound in Medicine and Biology, 1981, 7, 121-133.	0.7	203
11	Microbubble contrast agent for color Doppler US: effect on breast masses. Work in progress.. Radiology, 1996, 198, 679-686.	3.6	197
12	Color Doppler signals from breast tumors. Work in progress.. Radiology, 1990, 176, 175-180.	3.6	186
13	High frequency, high resolution B-scan ultrasound in the assessment of skin tumours. British Journal of Dermatology, 1993, 128, 525-532.	1.4	167
14	Real time tissue elasticity imaging using the combined autocorrelation method. Journal of Medical Ultrasonics (2001), 2002, 29, 119-128.	0.6	163
15	Fundamental limitations of noninvasive temperature imaging by means of ultrasound echo strain estimation. Ultrasound in Medicine and Biology, 2002, 28, 1319-1333.	0.7	155
16	Quantitative elasticity imaging: what can and cannot be inferred from strain images. Physics in Medicine and Biology, 2002, 47, 2147-2164.	1.6	149
17	A freehand elastographic imaging approach for clinical breast imaging: system development and performance evaluation. Ultrasound in Medicine and Biology, 2001, 27, 1347-1357.	0.7	148
18	Acoustic properties of lesions generated with an ultrasound therapy system. Ultrasound in Medicine and Biology, 1993, 19, 789-801.	0.7	145

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19	Evaluation of the adjoint equation based algorithm for elasticity imaging. Physics in Medicine and Biology, 2004, 49, 2955-2974.	1.6	139
20	Acoustic properties of normal and cancerous human liverâ€"II Dependence on tissue structure. Ultrasound in Medicine and Biology, 1981, 7, 135-144.	0.7	136
21	Physical parameters affecting ultrasound/microbubble-mediated gene delivery efficiency in vitro. Ultrasound in Medicine and Biology, 2006, 32, 1269-1279.	0.7	133
22	An ezrin-rich, rigid uropod-like structure directs movement of amoeboid blebbing cells. Journal of Cell Science, 2011, 124, 1256-1267.	1.2	106
23	Spectrophotometric assessment of pigmented skin lesions: methods and feature selection for evaluation of diagnostic performance. Physics in Medicine and Biology, 2000, 45, 735-751.	1.6	105
24	Ultrasonic propagation properties of excised human skin. Ultrasound in Medicine and Biology, 1995, 21, 1177-1190.	0.7	103
25	Differentiation of common benign pigmented skin lesions from melanoma by high-resolution ultrasound. British Journal of Dermatology, 2000, 143, 281-289.	1.4	102
26	Ultrasonic propagation through fixed and unfixed tissues. Ultrasound in Medicine and Biology, 1979, 5, 159-165.	0.7	100
27	Breast carcinoma: measurement of tumor response to primary medical therapy with color Doppler flow imaging.. Radiology, 1994, 190, 825-830.	3.6	100
28	Dual-Frequency Ultrasound Examination of Skin and Subcutis Thickness in Breast Cancer-Related Lymphedema. Breast Journal, 2004, 10, 496-503.	0.4	100
29	EFSUMB Guidelines and Recommendations on the Clinical Use of Liver Ultrasound Elastography, Update 2017 (Short Version). Ultraschall in Der Medizin, 2017, 38, 377-394.	0.8	93
30	Exploring the Biomechanical Properties of Brain Malignancies and Their Pathologic Determinants In Vivo with Magnetic Resonance Elastography. Cancer Research, 2015, 75, 1216-1224.	0.4	90
31	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-R114.	1.6	82
32	Ultrasonic attenuation and backscattering by mammalian organs as a function of time after excision. Ultrasound in Medicine and Biology, 1977, 3, 15-20.	0.7	81
33	Ultrasonic study of in vivo kinetic characteristics of human tissues. Ultrasound in Medicine and Biology, 1986, 12, 927-937.	0.7	81
34	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-R137.	1.6	80
35	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, 345-356.	0.7	76
36	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.	2.7	72

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37	Towards an acoustic model-based poroelastic imaging method: I. Theoretical Foundation. Ultrasound in Medicine and Biology, 2006, 32, 547-567.	0.7	71
38	Coupling between elastic strain and interstitial fluid flow: ramifications for poroelastic imaging. Physics in Medicine and Biology, 2006, 51, 6291-6313.	1.6	71
39	Dynamic tests in real-time breast echography. Ultrasound in Medicine and Biology, 1988, 14, 53-57.	0.7	70
40	Feasibility of using ultrasound for real-time tracking during radiotherapy. Medical Physics, 2005, 32, 1500-1512.	1.6	67
41	Application of fourier analysis to clinical study of patterns of tissue movement. Ultrasound in Medicine and Biology, 1988, 14, 695-707.	0.7	66
42	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, 3363-3380.	1.6	66
43	Computer-assisted diagnosis techniques (dermoscopy and spectroscopy-based) for diagnosing skin cancer in adults. The Cochrane Library, 2018, 2018, CD013186.	1.5	65
44	Automated quantification of color Doppler signals: a preliminary study in breast tumors.. Radiology, 1995, 197, 39-43.	3.6	61
45	Recent developments in non-coplanar radiotherapy. British Journal of Radiology, 2019, 92, 20180908.	1.0	57
46	Clutter elimination for deep clinical optoacoustic imaging using localised vibration tagging (LOVIT). Photoacoustics, 2013, 1, 19-29.	4.4	54
47	Transient Elastography Using Impulsive Ultrasound Radiation Force: A Preliminary Comparison With Surface Palpation Elastography. Ultrasound in Medicine and Biology, 2007, 33, 959-969.	0.7	52
48	Segmentation and analysis of colour Doppler images of tumour vasculature. Ultrasound in Medicine and Biology, 1995, 21, 635-647.	0.7	51
49	Trajectory optimization for dynamic couch rotation during volumetric modulated arc radiotherapy. Physics in Medicine and Biology, 2013, 58, 8163-8177.	1.6	50
50	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, 357-364.	0.7	48
51	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, 2859-2871.	1.6	48
52	Spatial and acoustic pressure dependence of microbubble-mediated gene delivery targeted using focused ultrasound. Journal of Gene Medicine, 2006, 8, 1347-1357.	1.4	48
53	Tumour biomechanical response to the vascular disrupting agent ZD6126 in vivo assessed by magnetic resonance elastography. British Journal of Cancer, 2014, 110, 1727-1732.	2.9	48
54	Nearâ€infrared photoimmunotherapy targeting EGFRâ€”Shedding new light on glioblastoma treatment. International Journal of Cancer, 2018, 142, 2363-2374.	2.3	47

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55	In vivoliver tracking with a high volume rate 4D ultrasound scanner and a 2D matrix array probe. Physics in Medicine and Biology, 2012, 57, 1359-1374.	1.6	46
56	Acoustic Cluster Therapy (ACT) enhances the therapeutic efficacy of paclitaxel and AbraxaneÂ® for treatment of human prostate adenocarcinoma in mice. Journal of Controlled Release, 2016, 236, 15-21.	4.8	46
57	Targeted retroviral gene delivery using ultrasound. Journal of Gene Medicine, 2007, 9, 77-87.	1.4	45
58	High-frequency ultrasound for diagnosing skin cancer in adults. The Cochrane Library, 2018, 2018, CD013188.	1.5	45
59	Optically and acoustically triggerable sub-micron phase-change contrast agents for enhanced photoacoustic and ultrasound imaging. Photoacoustics, 2017, 6, 26-36.	4.4	44
60	Freehand Elasticity Imaging Using Speckle Decorrelation Rate. Acoustical Imaging, 1996, , 285-292.	0.2	44
61	Ultrasound Tomography Evaluation of Breast Density. Investigative Radiology, 2017, 52, 343-348.	3.5	42
62	Towards an acoustic model-based poroelastic imaging method: II. experimental investigation. Ultrasound in Medicine and Biology, 2006, 32, 1869-1885.	0.7	40
63	Quantitative evaluation of real-time ultrasound features of the breast. Ultrasound in Medicine and Biology, 1988, 14, 81-87.	0.7	39
64	Compensation for the signal processing characteristics of ultrasound b-mode scanners in adaptive speckle reduction. Ultrasound in Medicine and Biology, 1993, 19, 469-485.	0.7	39
65	Deformation-compensated averaging for clutter reduction in epiphotoacoustic imaging <italic>in vivo</italic>. Journal of Biomedical Optics, 2012, 17, 066007.	1.4	39
66	A novel technique of detecting <scp>MRI</scp>â€negative lesion in focal symptomatic epilepsy: Intraoperative <scp>S</scp>hear<scp>W</scp>ave <scp>E</scp>lastography. Epilepsia, 2014, 55, e30-3.	2.6	39
67	Elastography for breast cancer diagnosis using radiation force: System development and performance evaluation. Ultrasound in Medicine and Biology, 2006, 32, 387-396.	0.7	38
68	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.	0.3	36
69	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.	1.1	36
70	Performance of ultrasound based measurement of 3D displacement using a curvilinear probe for organ motion tracking. Physics in Medicine and Biology, 2007, 52, 5683-5703.	1.6	35
71	Investigating the Contribution of Collagen to the Tumor Biomechanical Phenotype with Noninvasive Magnetic Resonance Elastography. Cancer Research, 2019, 79, 5874-5883.	0.4	35
72	Reflectance of human skin using colour photometric stereo: with particular application to pigmented lesion analysis. Skin Research and Technology, 2008, 14, 173-179.	0.8	34

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73	InÂVivo 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.	0.4	34
74	The Spatio-Temporal Strain Response of Oedematous and Nonoedematous Tissue to Sustained Compression In Vivo. Ultrasound in Medicine and Biology, 2008, 34, 617-629.	0.7	33
75	Ultrasound elasticity imaging: definition and technology. European Radiology, 1999, 9, S327-S330.	2.3	32
76	Real-time implementation of coherent speckle suppression in B-scan images. Ultrasonics, 1991, 29, 218-224.	2.1	31
77	Attenuation and Absorption. , 2005, , 93-166.		29
78	Ultrasonic properties of tissues. , 0, , .		28
79	Vessel orientation-dependent sensitivity of optoacoustic imaging using a linear array transducer. Journal of Biomedical Optics, 2013, 18, 1.	1.4	26
80	Effect of gaseous inclusions on the frequency dependence of ultrasonic attenuation in liver. Ultrasound in Medicine and Biology, 1985, 11, 293-298.	0.7	24
81	The-effective directivity characteristic of a pulsed ultrasound transducer and its measurement by semi-automatic means. Ultrasonics, 1977, 15, 169-174.	2.1	23
82	Ultrasonic temperature imaging for guiding focused ultrasound surgery: Effect of angle between imaging beam and therapy beam. Ultrasound in Medicine and Biology, 2005, 31, 401-413.	0.7	23
83	Ultrasonic doppler study of the hormonal response of blood flow in the normal human breast. Ultrasound in Medicine and Biology, 1987, 13, 121-129.	0.7	22
84	Performance criteria for quantitative ultrasonology and image parameterisation. Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicists' Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics, 1990, 11, 57-73.	0.5	22
85	Characterization of cardiovascular liver motion for the eventual application of elasticity imaging to the liverin vivo. Physics in Medicine and Biology, 2004, 49, 4187-4206.	1.6	22
86	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.	1.6	22
87	Evaluation of soft-tissue masses using segmented color Doppler velocity images: preliminary observations.. American Journal of Roentgenology, 1999, 172, 781-788.	1.0	21
88	Correlation of Ultrasound Shear Wave Elastography with Pathological Analysis in a Xenografic Tumour Model. Scientific Reports, 2017, 7, 165.	1.6	21
89	Quantitative effects of speckle reduction on cross sectional echocardiographic images.. Heart, 1989, 62, 298-304.	1.2	19
90	High-resolution ultrasound reflex transmission imaging and digital photography: potential tools for the quantitative assessment of pigmented lesions. Skin Research and Technology, 2006, 12, 50-59.	0.8	19

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91	Temporal regularization of ultrasound-based liver motion estimation for image-guided radiation therapy. Medical Physics, 2015, 43, 455-464.	1.6	19
92	Gold nanorod reshaping in vitro and in vivo using a continuous wave laser. PLoS ONE, 2017, 12, e0185990.	1.1	19
93	Texture Analysis And Speckle Reduction In Medical Echography. , 1987, 0768, 120.		18
94	Visual impact of adaptive speckle reduction on US B-mode images.. Radiology, 1992, 183, 555-561.	3.6	18
95	Evaluation of experimental methods for assessing safety for ultrasound radiation force elastography. British Journal of Radiology, 2009, 82, 666-674.	1.0	18
96	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, 1701-1720.	1.6	18
97	Preliminary investigation into the use of ultrasound elastography during brain tumour resection. Ultrasound, 2012, 20, 33-40.	0.3	17
98	Multiâ€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.	0.8	17
99	Photoacoustic clutter reduction using short-lag spatial coherence weighted imaging. , 2014, , .		17
100	Characterisation of Prostate Lesions Using Transrectal Shear Wave Elastography (SWE) Ultrasound Imaging: A Systematic Review. Cancers, 2021, 13, 122.	1.7	17
101	Colour Doppler image analysis for tissue vascularity and perfusion: A preliminary clinical evaluation. Ultrasound in Medicine and Biology, 1995, 21, 1107-1117.	0.7	16
102	Calibration of Ultrasound Backscatter Temperature Imaging for High-Intensity Focused Ultrasound Treatment Planning. Ultrasound in Medicine and Biology, 2013, 39, 1596-1612.	0.7	16
103	Ultrasonic attenuation in fresh human tissues. Ultrasonics, 1981, 19, 187-188.	2.1	15
104	What might echography learn from image science?. Ultrasound in Medicine and Biology, 1991, 17, 559-575.	0.7	15
105	Can relative contrast agent concentration be measured in vivo with color Doppler US?. Radiology, 1997, 204, 279-281.	3.6	15
106	Speed of Sound. , 2005, , 167-190.		15
107	Quantitative Ultrasonic Elastography for Gel Dosimetry. Ultrasound in Medicine and Biology, 2010, 36, 268-275.	0.7	15
108	Quantitative photoacoustic imaging study of tumours in vivo: Baseline variations in quantitative measurements. Photoacoustics, 2019, 13, 53-65.	4.4	15

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109	Reflection and Scattering. , 2005, , 191-222.		13
110	Slip elastography: A novel method for visualising and characterizing adherence between two surfaces in contact. Ultrasonics, 2012, 52, 364-376.	2.1	13
111	Value of combining dynamic contrast enhanced ultrasound and optoacoustic tomography for hypoxia imaging. Photoacoustics, 2017, 8, 15-27.	4.4	13
112	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.	1.6	13
113	<title>Data processing for 3-D ultrasound visualization of tumor anatomy and blood flow</title>. , 1992, , .		12
114	Real-time ultrasound elastography in neurosurgery. , 2009, , .		12
115	InÂVivo Response to Compression of 35 Breast Lesions Observed with a Two-Dimensional Locally Regularized Strain Estimation Method. Ultrasound in Medicine and Biology, 2014, 40, 300-312.	0.7	12
116	Tissue motion and elasticity imaging. Physics in Medicine and Biology, 2000, 45, 2 p preceding 1409.	1.6	12
117	Tumour growth delay as a clinical endpoint for the measurement of radiation response. Radiotherapy and Oncology, 1986, 5, 207-214.	0.3	11
118	Implementation of ultrasound speckle filters for clinical trial. , 0, , .		11
119	Feasibility of skin surface elastography by tracking skin surface topography. Journal of Biomedical Optics, 2013, 18, 121513.	1.4	11
120	Ultrasound Shear Wave Elastography of the Normal Prostate: Interobserver Reproducibility and Comparison with Functional Magnetic Resonance Tissue Characteristics. Ultrasonic Imaging, 2018, 40, 158-170.	1.4	11
121	Thresholds for visual detection of Young's modulus contrast in simulated ultrasound image movies. Physics in Medicine and Biology, 2000, 45, 2057-2079.	1.6	10
122	Spatial Coherence and Beamformer Gain. , 2002, , 43-48.		10
123	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, 7127-7143.	1.6	10
124	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.	1.6	10
125	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.	0.4	10
126	Correlation between Histology and High Resolution Echographic Images of Small Skin Tumours. Acoustical Imaging, 1992, , 369-374.	0.2	10

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127	Perceptual Studies Of Contrast, Texture And Detail In Ultrasound B-Scans. , 1988, 0914, 40.		9
128	Physical Chemistry of the Ultrasound-Tissue Interaction. , 2005, , 223-235.		9
129	Characterization of the ultrasonic attenuation coefficient and its frequency dependence in a polymer gel dosimeter. Physics in Medicine and Biology, 2007, 52, 6747-6759.	1.6	9
130	Characterization of dose-dependent Young's modulus for a radiation-sensitive polymer gel. Physics in Medicine and Biology, 2009, 54, 843-857.	1.6	9
131	Investigation of In Vivo skin stiffness anisotropy in breast cancer related lymphoedema. Journal of Biomechanics, 2016, 49, 94-99.	0.9	9
132	Ultrasound Elastography of the Skin and Subcutis under Surface Extensive Loading. Ultrasound, 2006, 14, 161-166.	0.3	8
133	Micro-moulded randomised piezocomposites for high frequency ultrasound imaging. , 2012, , .		8
134	High Signal-to-Noise Ratio Contrast-Enhanced Photoacoustic Imaging using Acoustic Sub-Aperture Processing and Spatiotemporal Filtering. , 2019, , .		8
135	A New Method for the Acquisition of Ultrasonic Strain Image Volumes. Ultrasound in Medicine and Biology, 2011, 37, 434-441.	0.7	7
136	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.	1.6	7
137	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.	1.6	7
138	Contrast-Enhanced Photoacoustic Imaging of Low-boiling-point Phase-Change Nanodroplets. , 2019, , .		7
139	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.	0.7	7
140	Therapeutic and Surgical Applications. , 2005, , 407-456.		6
141	3D Liver tracking using a matrix array: Implications for ultrasonic guidance of IMRT. , 2010, , .		6
142	The Effects of Spectral X-Ray Photon Counting Detector Parameters on Detector Performance: Thickness and Pitch. IEEE Access, 2020, 8, 196541-196552.	2.6	6
143	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.	2.7	6
144	Adaptive speckle reduction for improving the differential diagnosis of breast lesions.. Journal of Ultrasound in Medicine, 1995, 14, 217-227.	0.8	5

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145	Medical ultrasound: research trends that may drive sensor development. Journal of Physics: Conference Series, 2005, 15, 1-6.	0.3	5
146	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.	1.6	5
147	Diagnostic ultrasound probes: a typology and overview of technologies. Current Directions in Biomedical Engineering, 2018, 4, 49-53.	0.2	5
148	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.	1.6	5
149	Photoacoustic Super-Resolution Imaging using Laser Activation of Low-Boiling-Point Dye-Coated Nanodroplets in vitro and in vivo. , 2019, , .		5
150	CdTe Based Energy Resolving, X-ray Photon Counting Detector Performance Assessment: The Effects of Charge Sharing Correction Algorithm Choice. Sensors, 2020, 20, 6093.	2.1	5
151	Methodology for Imaging Time-Dependent Phenomena. , 2005, , 303-335.		4
152	Toward characterizing the size of microscopic optical absorbers using optoacoustic emission spectroscopy. Proceedings of SPIE, 2010, , .	0.8	4
153	Multi-Channel Optical Coherence Elastography Using Relative and Absolute Shear-Wave Time of Flight. PLoS ONE, 2017, 12, e0169664.	1.1	4
154	Tissue characterisation at WFUMB '85. Ultrasound in Medicine and Biology, 1986, 12, 725-728.	0.7	3
155	Fast Image Processing Systems For Evaluating The Clinical Potential Of Ultrasound Speckle Suppression And Parametric Imaging. Proceedings of SPIE, 1989, , .	0.8	3
156	B-Mode Speckle Texture: The Effect of Spatial Coherence. , 2002, , 141-146.		3
157	Ultrasonic Biophysics. , 2005, , 349-406.		3
158	Methodology for Clinical Investigation. , 2005, , 255-302.		3
159	A two-dimensional locally regularized strain estimation technique: preliminary clinical results for the assessment of benign and malignant breast lesions. , 2011, , .		3
160	Performance characterisation of a new clinical spectroscopic epiphotoacoustic scanner. , 2013, , .		3
161	Dynamic contrast enhanced ultrasound imaging; The effect of imaging modes and parameter settings for a microvascular phantom. , 2018, , .		3
162	Editorial on the Special Issue of Applied Sciences on the Topic of Elastography. Applied Sciences (Switzerland), 2018, 8, 1232.	1.3	3

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163	High Frequency Reflex Transmission Imaging: Feasibility for Eventual Application to the Diagnosis of Skin Tumours. , 2002, , 325-330.		3
164	Non-Invasive Temperature Imaging Using Ultrasound Echo Strain: Preliminary Simulations. Acoustical Imaging, 1997, , 25-33.	0.2	3
165	Effects of Speckle Reduction Processing on Ultrasound B-Mode Images of Skin Tumours. Acoustical Imaging, 1992, , 447-452.	0.2	3
166	A new coaxial needle for pre-operative localization of breast abnormalities. British Journal of Radiology, 1991, 64, 699-707.	1.0	2
167	<title>Visual detectability of elastic contrast in real-time ultrasound images</title>. , 1997, , .		2
168	<title>Layered Monte Carlo model for the description of diffuse reflectance spectra from pigmented skin lesions</title>. , 1999, , .		2
169	Development and design of a new spectral imaging system for melanoma research. , 2003, , .		2
170	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	2
171	The Wider Context of Sonography. , 2005, , 337-347.		2
172	P4F-2 Ultrasonic Elastography and Plane Strain Inverse Algorithms for Polymer Gel Dosimetry. Proceedings IEEE Ultrasonics Symposium, 2007, , .	0.0	2
173	Clinical feasibility of duplex photoacoustic and ultrasound pulse-echo imaging using photoacoustic transmit pulses. , 2011, , .		2
174	Monte Carlo investigation of the dosimetric effect of the Autoscan ultrasound probe for guidance in radiotherapy. , 2016, , .		2
175	PO-0893: Dosimetric accuracy and delivery efficiency of dynamic couch rotation VMAT (DCR-VMAT). Radiotherapy and Oncology, 2018, 127, S474.	0.3	2
176	Improving 3D ultrasound prostate localisation in radiotherapy through increased automation of interfraction matching. Radiotherapy and Oncology, 2020, 149, 134-141.	0.3	2
177	Potential for Tissue Movement Compensation in Conformai, Cancer Therapy. Acoustical Imaging, 1996, , 239-244.	0.2	2
178	Ultrasound Elastography. , 2016, , 173-187.		2
179	MOâ€DEâ€210â€05: Improved Accuracy of Liver Feature Motion Estimation in Bâ€Mode Ultrasound for Imageâ€Guided Radiation Therapy. Medical Physics, 2015, 42, 3560-3560.	1.6	2
180	Abstract 1488:In vivomagnetic resonance elastography in pediatric brain tumor models. , 2015, , .		2

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181	Comment on New Technology - Ultrasound Elastography. Ultraschall in Der Medizin, 2008, 29, 319-320.	0.8	2
182	Further characterization of changes in axial strain elastograms due to the presence of slippery tumor boundaries. Journal of Medical Imaging, 2018, 5, 1.	0.8	2
183	Introduction to Optical Coherence Elastography. , 2021, , 1-1-1-32.		2
184	Reconstructing Youngâ€™s Modulus Distributions within Soft Tissues From Freehand Elastograms. , 2002, , 469-476.		1
185	<title>Monitoring pigmented skin lesions</title>. , 2002, , .		1
186	Ultrasonic Images and the Eye of the Observer. , 2005, , 237-253.		1
187	Generation and Structure of Acoustic Fields. , 2005, , 41-68.		1
188	Basic Acoustic Theory. , 2005, , 1-40.		1
189	Assessment of Possible Hazard in Use. , 2005, , 457-486.		1
190	P2E-4 Transient Ultrasound Radiation Force Elastography. Preliminary Comparison with Surface Palpation Elastography. , 2006, , .		1
191	4C-5 Combining High Frequency Ultrasound Reflex Transmission Imaging and Imaging Spectrophotometry for the Diagnosis of Skin Cancer. Proceedings IEEE Ultrasonics Symposium, 2007, , .	0.0	1
192	Radiation dose imaging with ultrasound shear-wave elastography and radiation sensitive gels. , 2009, , .		1
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