

Pai-Chi Li

List of Publications by Year in descending order

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176
papers

3,231
citations

172457
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177
all docs

177
docs citations

177
times ranked

2945
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning-based endoscopic anatomy classification: an accelerated approach for data preparation and model validation. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 3811-3821.	2.4	14
2	Upper endoscopy photodocumentation quality evaluation with novel deep learning system. Digestive Endoscopy, 2022, 34, 994-1001.	2.3	10
3	Development and validation of a deep learning-based algorithm for colonoscopy quality assessment. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 6446-6455.	2.4	12
4	Sonoporation based on repeated vaporization of gold nanodroplets. Medical Physics, 2022, , .	3.0	1
5	Longitudinal shear wave elasticity measurements of millimeter-sized biomaterials using a single-element transducer platform. PLoS ONE, 2022, 17, e0266235.	2.5	2
6	Laser-Generated Leaky Acoustic Wave Imaging for Interventional Guidewire Guidance. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 2496-2506.	3.0	2
7	Functional photoacoustic calcium imaging using chlorophosphonazo III in a 3D tumor cell culture. Biomedical Optics Express, 2021, 12, 1154.	2.9	4
8	Ultrafast Ultrasound-Derived Muscle Strain Measure Correlates with Carotid Local Pulse Wave Velocity in Habitual Resistance-Trained Individuals. Applied Sciences (Switzerland), 2021, 11, 8783.	2.5	0
9	Enhanced Radiosensitization for Cancer Treatment with Gold Nanoparticles through Sonoporation. International Journal of Molecular Sciences, 2020, 21, 8370.	4.1	10
10	Correlation-based Doppler-angle estimation with plane-wave excitation. Informatics in Medicine Unlocked, 2020, 19, 100315.	3.4	0
11	Photoacoustic imaging of cells in a three-dimensional microenvironment. Journal of Biomedical Science, 2020, 27, 3.	7.0	26
12	Automatic Conformal Anti-radial Ultrasound Scanning for Whole Breast Screening. Journal of Medical and Biological Engineering, 2019, 39, 845-854.	1.8	1
13	Synchronized Optical and Acoustic Droplet Vaporization for Effective Sonoporation. Pharmaceutics, 2019, 11, 279.	4.5	9
14	Shear wave elasticity imaging for studying mechanical interactions of cells. Ultrasound in Medicine and Biology, 2019, 45, S14.	1.5	1
15	Radiosensitization in Cancer Treatment with Gold nanoparticles through Synergistic Sonoporation. , 2019, , .		0
16	Golay-Encoded Pulse-Inversion Subtraction for Real-Time Ultrasound Monitoring of HIFU Therapy. , 2019, , .		1
17	Study of diffusive- and convective-transport mediated microtumor growth in a controlled microchamber. Biomedical Microdevices, 2019, 21, 7.	2.8	2
18	Functional calcium imaging using optical-resolution photoacoustic microscopy in a 3D tumor cell culture. , 2019, , .		1

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19	Laser-speckle-contrast projection tomography for three-dimensional shear wave imaging. Optics Letters, 2019, 44, 4809.	3.3	1
20	Laser Generated Leaky Acoustic Waves for Needle Visualization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 546-556.	3.0	5
21	Ultrasound Strain Imaging to Assess the Biceps Brachii Muscle in Chronic Poststroke Spasticity. Journal of Ultrasound in Medicine, 2018, 37, 2043-2052.	1.7	11
22	Single allele Lmbrd1 knockout results in cardiac hypertrophy. Journal of the Formosan Medical Association, 2018, 117, 471-479.	1.7	2
23	Automated Conformal Ultrasound Scanning for Breast Screening. Journal of Medical and Biological Engineering, 2018, 38, 116-128.	1.8	6
24	Shear Wave Elasticity Measurements of Three-Dimensional Cancer Cell Cultures Using Laser Speckle Contrast Imaging. Scientific Reports, 2018, 8, 14470.	3.3	8
25	Microbeamforming With Error Compensation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1153-1165.	3.0	10
26	Dual-wavelength OR-PAM with compressed sensing for cell tracking in a 3D cell culture system. , 2018, , .		1
27	Ultrasound Strain Imaging in Assessment of Biceps Muscle Stiffness and Dynamic Motion in Healthy Adults. Ultrasound in Medicine and Biology, 2017, 43, 1729-1736.	1.5	15
28	Ultrasound shear wave elastography in the assessment of passive biceps brachii muscle stiffness: influences of sex and elbow position. Clinical Imaging, 2017, 45, 26-29.	1.5	52
29	Needle guidance using laser generated leaky acoustic waves. , 2017, , .		0
30	Nanodroplet-Vaporization-Assisted Sonoporation for Highly Effective Delivery of Photothermal Treatment. Scientific Reports, 2016, 6, 24753.	3.3	32
31	Transform-Based Channel-Data Compression to Improve the Performance of a Real-Time GPU-Based Software Beamformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 369-380.	3.0	10
32	Shear-wave elasticity measurements of three-dimensional cell cultures for mechanobiology. Journal of Cell Science, 2016, 130, 292-302.	2.0	14
33	Three-dimensional shear wave imaging based on full-field laser speckle contrast imaging with one-dimensional mechanical scanning. Optics Express, 2016, 24, 18860.	3.4	16
34	Shear Wave Measurements for Evaluation of Tendon Diseases. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1906-1921.	3.0	18
35	Acoustic and optical droplet vaporization for enhanced sonoporation. , 2016, , .		0
36	Cost-effective design of a concurrent photoacoustic-ultrasound microscope using single laser pulses. Proceedings of SPIE, 2016, , .	0.8	1

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37	Dual-wavelength optical-resolution photoacoustic microscopy for cells with gold nanoparticle bioconjugates in three-dimensional cultures. Proceedings of SPIE, 2016, , .	0.8	1
38	Infrared-active quadruple contrast FePt nanoparticles for multiple scale molecular imaging. Biomaterials, 2016, 85, 54-64.	11.4	26
39	Concurrent photoacoustic-ultrasound imaging using single-laser pulses. Journal of Biomedical Optics, 2015, 20, 086004.	2.6	12
40	Synergistic delivery of gold nanorods using multifunctional microbubbles for enhanced plasmonic photothermal therapy. Scientific Reports, 2015, 4, 5685.	3.3	50
41	Ultrawideband Synthetic Aperture Radar for Respiratory Motion Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3749-3763.	6.3	14
42	Lossless Data Compression for Improving the Performance of a GPU-Based Beamformer. Ultrasonic Imaging, 2015, 37, 135-151.	2.6	8
43	Hybrid optoacoustic tomography and pulse-echo ultrasonography using concave arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1651-1661.	3.0	64
44	Buoyancy-Activated Cell Sorting Using Targeted Biotinylated Albumin Microbubbles. PLoS ONE, 2015, 10, e0125036.	2.5	14
45	GS1-7 Evaluating elasticity dynamics of three-dimensional cell-matrix using ultrasonic shear waves(GS1: Cell and Tissue Biomechanics II). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 121.	0.0	0
46	Enhanced photothermal therapy using gold nanodroplets. , 2014, , .		0
47	Finite element analysis of strain-stiffening behaviors of tendons: Compared with shear wave elasticity imaging. , 2014, , .		0
48	Imaging 3D cell culture systems using an optical resolution photoacoustic microscope. , 2014, , .		3
49	Low-Complexity Motion-Compensated Beamforming Algorithm and Architecture for Synthetic Transmit Aperture in Ultrasound Imaging. IEEE Transactions on Signal Processing, 2014, 62, 840-851.	5.3	7
50	SNR-dependent coherence-based adaptive imaging for high-frame-rate ultrasonic and photoacoustic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 1419-1432.	3.0	60
51	Albumin Acts Like Transforming Growth Factor β 1 in Microbubble-Based Drug Delivery. Ultrasound in Medicine and Biology, 2014, 40, 765-774.	1.5	6
52	All-optical scanhead for ultrasound and photoacoustic imagingâ€”Imaging mode switching by dichroic filtering. Photoacoustics, 2014, 2, 39-46.	7.8	30
53	Combining radiation force with cavitation for enhanced sonothrombolysis. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 97-104.	3.0	14
54	Ultrasonic telemetry and neural stimulator with FSK-PWM signaling. , 2013, , .		1

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55	Evaluation of 18F-labeled targeted perfluorocarbon-filled albumin microbubbles as a probe for microUS and microPET in tumor-bearing mice. Ultrasonics, 2013, 53, 320-327.	3.9	20
56	Acoustic and photoacoustic scattering from transverse isotropic tissues. , 2013, , .		0
57	Imaging monitored loosening of dense fibrous tissues using high-intensity pulsed ultrasound. Physics in Medicine and Biology, 2013, 58, 6779-6796.	3.0	6
58	CMOS-based Capacitive Micromachined Ultrasonic Transducers operating without external DC bias. , 2013, , .		2
59	Ultrasound image quality optimization with adaptive global sound speed correction. , 2013, , .		0
60	Correlation between the shear wave speed in tendon and its elasticity properties. , 2013, , .		4
61	Lossless compression with parallel decoder for improving performance of a GPU-based beamformer. , 2013, , .		2
62	Photoacoustic/ultrasound dual-modality contrast agent and its application to thermotherapy. Journal of Biomedical Optics, 2012, 17, 045001.	2.6	54
63	All-optical scanhead for ultrasound and photoacoustic dual-modality imaging. Optics Express, 2012, 20, 1588.	3.4	71
64	Ultrasound imaging using vector quantization of RF channel data. , 2012, , .		0
65	Tissue shear viscosity measurements using a spectral ratio method. , 2012, , .		1
66	Investigation on anisotropy of elastic properties in tendon using shear wave elasticity imaging. , 2012, , .		2
67	All-optical transducer for ultrasound and photoacoustic imaging by dichroic filtering. , 2012, , .		3
68	MPEG compression of ultrasound RF channel data for a real-time software-based imaging system. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1413-1420.	3.0	8
69	Ultrasound Beamforming Using Compressed Data. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 308-313.	3.2	12
70	SNR-dependent coherence weighting for minimum variance beamforming. , 2011, , .		2
71	Coded excitation for photoacoustic imaging using a high-speed diode laser. Optics Express, 2011, 19, 1174.	3.4	29
72	Improving depth of focus for single element annular transducers. , 2011, , .		0

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73	Ultrasound RF channel data compression for implementation of a software-based array imaging system. , 2011, , .		1
74	3D cardiac strain imaging using plane wave excitation and feature tracking. , 2011, , .		0
75	All-optical generation and detection of acoustic waves for intravascular ultrasound and photoacoustic imaging. , 2011, , .		1
76	Thermotherapy with a photoacoustic/ultrasound dual-modality agent. Proceedings of SPIE, 2011, , .	0.8	3
77	Enhanced photoacoustic stability of gold nanorods by silica matrix confinement. Journal of Biomedical Optics, 2010, 15, 016010.	2.6	61
78	Effects of Ultrasound-Induced Inertial Cavitation on Enzymatic Thrombolysis. Ultrasonic Imaging, 2010, 32, 81-90.	2.6	24
79	Joint capsule loosening by high-intensity pulsed ultrasound. , 2010, , .		0
80	Ultrasound beamforming with compressed data. , 2010, , .		3
81	Design and fabrication of an integrated intravascular ultrasound/photoacoustic scan head. , 2010, , .		4
82	Photoacoustic signal generation with Golay coded excitation. , 2010, , .		4
83	Integrated intravascular ultrasound and photoacoustic imaging scan head. Optics Letters, 2010, 35, 2892.	3.3	60
84	Motion-tracking adaptive persistence and adaptive-size median filter for color Doppler processing in ultrasound systems on multicore platform. , 2010, , .		1
85	GPU-based color Doppler ultrasound processing. , 2009, , .		2
86	Contrast improvement by combining pulse inversion with EMD and EEMD. , 2009, , .		2
87	Targeted multimodality contrast agent: Synthesis and applications of ¹⁸ F-labeled targeted perfluorocarbon-filled albumin microbubbles for microUS and microPET. , 2009, , .		0
88	A Miniature Capacitive Ultrasonic Imager Array. IEEE Sensors Journal, 2009, 9, 569-577.	4.7	12
89	Graphics processing unit-based high-frame-rate color doppler ultrasound processing. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1856-1860.	3.0	34
90	The Role of High Frequency Ultrasound in Multimodality Small Animal Imaging for Cancer Research. Journal of Medical Ultrasound, 2009, 17, 86-97.	0.4	3

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91	Photoacoustics for molecular imaging and therapy. <i>Physics Today</i> , 2009, 62, 34-39.	0.3	217
92	A Capacitive Micromachined Ultrasonic Transducer Array for Minimally Invasive Medical Diagnosis. <i>Journal of Microelectromechanical Systems</i> , 2009, , .	2.5	1
93	High frame rate adaptive imaging using coherence factor weighting and the MVDR method. , 2008, , .		8
94	A Capacitive Micromachined Ultrasonic Transducer Array for Minimally Invasive Medical Diagnosis. <i>Journal of Microelectromechanical Systems</i> , 2008, 17, 599-610.	2.5	21
95	In vivo photoacoustic molecular imaging with simultaneous multiple selective targeting using antibody-conjugated gold nanorods. <i>Optics Express</i> , 2008, 16, 18605.	3.4	258
96	Subband photoacoustic imaging for contrast improvement. <i>Optics Express</i> , 2008, 16, 20215.	3.4	25
97	HER-2 Antibody Conjugated Gold Nano Rod for in Vivo Photothermal Therapy. , 2008, , .		4
98	Combined Multi-Target Molecular Ultrasonography and Photothermal Therapy Using Cancer Targeting Gold Nano Rod Probes. , 2008, , .		0
99	Characterization of Malignant Focal Liver Lesions with Contrast-Enhanced 40 MHz Ultrasound Imaging in Hepatitis B Virus X Transgenic Mice: A Feasibility Study. <i>Ultrasonic Imaging</i> , 2008, 30, 203-216.	2.6	10
100	Frequency-adjusted Fresnel lens design for a broadband transducer with varying thickness. , 2008, , .		0
101	In vitro evaluation of ultrasound-assisted thrombolysis using targeted ultrasound contrast agents. , 2008, , .		0
102	Applications of Carbohydrate-Gold Nanoparticles for Volumetric Flow Measurements Using an Opto-Acoustic Technique. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 103-108.	1.4	0
103	Optical piezoelectric transducer based nanoultrasonics. , 2007, , .		0
104	Nonlinear Pulse Compression in Pulse-Inversion Fundamental Imaging. <i>Ultrasonic Imaging</i> , 2007, 29, 73-86.	2.6	1
105	Nanorod-based flow estimation using a high-frame-rate photoacoustic imaging system. <i>Journal of Biomedical Optics</i> , 2007, 12, 064006.	2.6	33
106	Reconfigurable Color Doppler DSP Engine for High-Frequency Ultrasonic Imaging Systems. <i>Signal Processing Systems Design and Implementation (siPS)</i> , IEEE Workshop on, 2007, , .	0.0	7
107	A Monolithic Three-Dimensional Ultrasonic Transducer Array for Medical Imaging. <i>Journal of Microelectromechanical Systems</i> , 2007, 16, 1015-1024.	2.5	16
108	Photoacoustic Imaging of Multiple Targets Using Gold Nanorods. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007, 54, 1642-1647.	3.0	110

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109	Photoacoustic flow measurements based on wash-in analysis of gold nanorods. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1131-1141.	3.0	35
110	Photoacoustic Flow Measurements with Gold Nanoparticles. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1955-1959.	3.0	11
111	A high frame rate photoacoustic imaging system and its applications to perfusion measurements. , 2006, , .		3
112	Quantitative relations of acoustic inertial cavitation with sonoporation and cell viability. Ultrasound in Medicine and Biology, 2006, 32, 1931-1941.	1.5	104
113	Waveform Design for Ultrasonic Pulse-Inversion Fundamental Imaging. Ultrasonic Imaging, 2006, 28, 129-143.	2.6	16
114	Two-dimensional nanoultrasonic imaging by using acoustic nanowaves. Applied Physics Letters, 2006, 89, 043106.	3.3	34
115	Parametric Ultrasonic Imaging Using Linear Arrays for Breast Cancer Detection. , 2006, , .		0
116	Time-intensity based optoacoustic flow measurements with gold nanoparticles. , 2005, , .		7
117	Reconstruction of Optical Energy Deposition for Backward Optoacoustic Imaging. Optical and Quantum Electronics, 2005, 37, 1339-1351.	3.3	3
118	Simulations of optoacoustic wave propagation in light-absorbing media using a finite-difference time-domain method. Journal of the Acoustical Society of America, 2005, 117, 2795-2801.	1.1	13
119	Effects of Swept Scanning on Velocity Estimation. Ultrasonic Imaging, 2005, 27, 1-20.	2.6	2
120	Photoacoustic flow measurements by use of laser-induced shape transitions of gold nanorods. Optics Letters, 2005, 30, 3341.	3.3	40
121	Computed tomography sound velocity reconstruction using incomplete data. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 329-342.	3.0	22
122	Improved synthetic aperture focusing technique with applications in high-frequency ultrasound imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 63-70.	3.0	70
123	Contrast-specific ultrasonic flow measurements based on both input and output time intensities. Ultrasound in Medicine and Biology, 2003, 29, 671-678.	1.5	15
124	Transfer function analysis of ultrasonic time-intensity measurements. Ultrasound in Medicine and Biology, 2003, 29, 1493-1500.	1.5	18
125	Adaptive imaging using the generalized coherence factor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 128-141.	3.0	394
126	Pulse-inversion-based fundamental imaging for contrast detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1124-1133.	3.0	39

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127	Contrast-based flow measurements using both inflow and outflow time-intensities. , 2003, 5035, 357.		0
128	Enhanced Contrast Detection Using Ultrasonic Pulse Inversion Imaging. , 2003, , 247-267.		0
129	Strain compounding: a new approach for speckle reduction. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 39-46.	3.0	44
130	Motion artifacts of pulse inversion-based tissue harmonic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 1203-1211.	3.0	48
131	An Efficient Speckle Tracking Algorithm for Ultrasonic Imaging. Ultrasonic Imaging, 2002, 24, 215-228.	2.6	27
132	Tissue Motion and Elevational Speckle Decorrelation in Freehand 3D Ultrasound. Ultrasonic Imaging, 2002, 24, 1-12.	2.6	17
133	Efficient dynamic focus control for three-dimensional imaging using two-dimensional arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 1191-1202.	3.0	10
134	Time-intensity-based volumetric flow measurements: an in vitro study. Ultrasound in Medicine and Biology, 2002, 28, 349-358.	1.5	22
135	Harmonic leakage and image quality degradation in tissue harmonic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 728-736.	3.0	57
136	Tissue harmonic image analysis based on spatial covariance. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 1648-1656.	3.0	12
137	On velocity estimation using speckle decorrelation [blood]. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 1084-1091.	3.0	24
138	Feasibility Study of Time-Intensity-Based Blood Flow Measurements Using Deconvolution. Ultrasonic Imaging, 2001, 23, 90-105.	2.6	11
139	Elastic properties of tendon measured by two different approaches. Ultrasound in Medicine and Biology, 2001, 27, 1275-1284.	1.5	65
140	Strain compounding: spatial resolution and performance on human images. Ultrasound in Medicine and Biology, 2001, 27, 1535-1541.	1.5	23
141	Filter-Based Synthetic Transmit and Receive Focusing. Ultrasonic Imaging, 2001, 23, 73-89.	2.6	14
142	Correlation-Based Correction of Sound Velocity Inhomogeneities Using Delta-Sigma Modulators. Ultrasonic Imaging, 2000, 22, 206-213.	2.6	0
143	A Dynamic Focusing Technique for Delta-Sigma-Based Beamformers. Ultrasonic Imaging, 2000, 22, 197-205.	2.6	14
144	Doppler angle estimation using correlation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2000, 47, 188-196.	3.0	16

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145	Effects of Transmit Focusing on Finite Amplitude Distortion Based Second Harmonic Generation. Ultrasonic Imaging, 1999, 21, 243-258.	2.6	16
146	Pulse Compression for Finite Amplitude Distortion Based Harmonic Imaging Using Coded Waveforms. Ultrasonic Imaging, 1999, 21, 1-16.	2.6	21
147	Adaptive compensation of phase and magnitude aberrations. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1996, 43, 44-55.	3.0	52
148	Retrospective Dynamic Transmit Focusing. Ultrasonic Imaging, 1995, 17, 173-196.	2.6	27
149	Phase aberration correction on two-dimensional conformal arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1995, 42, 73-82.	3.0	33
150	Elevational Spatial Compounding. Ultrasonic Imaging, 1994, 16, 176-189.	2.6	34
151	Real-Time Arrhythmia Identification from Automated Analysis of Intraatrial and Intraventricular Electrograms. PACE - Pacing and Clinical Electrophysiology, 1993, 16, 223-227.	1.2	15
152	A new filter design technique for coded excitation systems. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1992, 39, 693-699.	3.0	34
153	Ultrasonic strain measurements of tendon. , 0, , .		2
154	Doppler angle estimation using the AR spectrum model. , 0, , .		0
155	Measurements of elastic properties of tendons: comparison of two approaches. , 0, , .		0
156	Dynamic focus control for imaging with two-dimensional arrays. , 0, , .		1
157	Young's modulus measurements of human liver and correlation with pathological findings. , 0, , .		4
158	Contrast-based ultrasonic blood flow measurements based on inflow/outflow time intensities. , 0, , .		1
159	A new adaptive imaging technique using generalized coherence factor. , 0, , .		3
160	Ultrasonic high frequency blood flow imaging of small animal tumor models. , 0, , .		0
161	Tomographic reconstruction of sound velocity distribution in the breast using linear arrays. , 0, , .		1
162	Sidelobe reduction for synthetic aperture focusing in high-frequency ultrasonic imaging. , 0, , .		2

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163	The role of IC technologies on biomedical ultrasonics. , 0, , .		0
164	A new adaptive imaging technique using optimal aperture size. , 0, , .		1
165	Reconstruction of optical absorption distribution for backward optoacoustic imaging. , 0, , .		0
166	Simulations of optoacoustic wave propagation in light-absorbing media using the finite difference time-domain method. , 0, , .		1
167	Liver fatty change classification using 25MHz high frequency ultrasound. , 0, , .		1
168	Comparison of wavefront distortion in the breast between optoacoustic imaging and ultrasonic imaging. , 0, , .		0
169	Arbitrary waveform coded excitation using bipolar square wave pulsers. , 0, , .		0
170	Tomographic reconstruction of sound velocity distribution in the breast using linear arrays: experimental results. , 0, , .		1
171	Ultrasonic pulse-inversion fundamental imaging with liposome microbubbles at 25-50 mhz. , 0, , .		0
172	Ultrasound Tomography of the Breast Using Linear Arrays. , 0, , .		0
173	Breast tumor classification based on image sequence analysis during compression. , 0, , .		0
174	Vector velocity estimation using aperture domain data. , 0, , .		1
175	1D nano-ultrasonic scan with 1-nanometer spatial resolution. , 0, , .		0
176	Quantitative relations between acoustic inertial cavitation and gene transfection rate/cell viability. , 0, , .		0