

Mingxi Wan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5604102/publications.pdf>

Version: 2024-02-01

226
papers

2,616
citations

²¹⁸³⁸¹
26
h-index

³²⁹⁷⁵¹
37
g-index

233
all docs

233
docs citations

233
times ranked

2215
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical observation of lipid- and polymer-shelled ultrasound microbubble contrast agents. <i>Applied Physics Letters</i> , 2004, 84, 631-633.	1.5	194
2	Dynamic Changes of Integrated Backscatter, Attenuation Coefficient and Bubble Activities During High-Intensity Focused Ultrasound (HIFU) Treatment. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1828-1844.	0.7	63
3	Bioeffects of Low-Intensity Ultrasound In Vitro. <i>Journal of Ultrasound in Medicine</i> , 2010, 29, 963-974.	0.8	54
4	Feasibility of using Nakagami distribution in evaluating the formation of ultrasound-induced thermal lesions. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 4836-4844.	0.5	53
5	Enhancement of electrolarynx speech based on auditory masking. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 865-874.	2.5	47
6	Laser-Activated Bioprobes with High Photothermal Conversion Efficiency for Sensitive Photoacoustic/Ultrasound Imaging and Photothermal Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29251-29259.	4.0	43
7	Focused beam control for ultrasound surgery with spherical-section phased array: sound field calculation and genetic optimization algorithm. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005, 52, 1270-1290.	1.7	41
8	IR780 loaded perfluorohexane nanodroplets for efficient sonodynamic effect induced by short-pulsed focused ultrasound. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 59-67.	3.8	41
9	Improving Reliability and Accuracy of Vibration Parameters of Vocal Folds Based on High-Speed Video and Electroglottography. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1744-1754.	2.5	40
10	Generalized LASSO with under-determined regularization matrices. <i>Signal Processing</i> , 2016, 127, 239-246.	2.1	40
11	Computer-Aided Diagnosis Systems in Diagnosing Malignant Thyroid Nodules on Ultrasonography: A Systematic Review and Meta-Analysis. <i>European Thyroid Journal</i> , 2020, 9, 186-193.	1.2	40
12	The effect of glottal angle on intraglottal pressure. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 539-548.	0.5	38
13	Numerical study of the effects of inferior and superior vocal fold surface angles on vocal fold pressure distributions. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 3003-3010.	0.5	37
14	Dependence of pulsed focused ultrasound induced thrombolysis on duty cycle and cavitation bubble size distribution. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 160-166.	3.8	37
15	ROS-Responsive Blended Nanoparticles: Cascade Amplifying Synergistic Effects of Sonochemotherapy with On-demand Boosted Drug Release During SDT Process. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900720.	3.9	36
16	Low-Intensity Pulsed Ultrasound Enhances Nerve Growth Factor-Induced Neurite Outgrowth through Mechanotransduction-Mediated ERK1/2-CREB-Trx-1 Signaling. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 2914-2925.	0.7	35
17	Spatial-temporal dynamics of cavitation bubble clouds in 1.2 MHz focused ultrasound field. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 480-486.	3.8	34
18	Neuroprotective Effect of Low-Intensity Pulsed Ultrasound Against MPP + -Induced Neurotoxicity in PC12 Cells: Involvement of K2P Channels and Stretch-Activated Ion Channels. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1986-1999.	0.7	33

#	ARTICLE	IF	CITATIONS
19	Strain imaging and elasticity reconstruction of arteries based on intravascular ultrasound video images. <i>IEEE Transactions on Biomedical Engineering</i> , 2001, 48, 116-120.	2.5	31
20	Efficient and controllable thermal ablation induced by short-pulsed HIFU sequence assisted with perfluorohexane nanodroplets. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 57-64.	3.8	31
21	A fast snake model based on non-linear diffusion for medical image segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2004, 28, 109-117.	3.5	30
22	Correlation Between Brain Tissue Damage and Inertial Cavitation Dose Quantified Using Passive Cavitation Imaging. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2758-2766.	0.7	30
23	High-speed observation of cavitation bubble clouds near a tissue boundary in high-intensity focused ultrasound fields. <i>Ultrasonics</i> , 2009, 49, 289-292.	2.1	29
24	<i>Ex Vivo</i> and <i>In Vivo</i> Monitoring and Characterization of Thermal Lesions by High-Intensity Focused Ultrasound and Microwave Ablation Using Ultrasonic Nakagami Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1701-1710.	5.4	29
25	In situ observation of single cell response to acoustic droplet vaporization: Membrane deformation, permeabilization, and blebbing. <i>Ultrasonics Sonochemistry</i> , 2018, 47, 141-150.	3.8	28
26	Enhanced Lesion-to-Bubble Ratio on Ultrasonic Nakagami Imaging for Monitoring of High-Intensity Focused Ultrasound. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 959-970.	0.8	27
27	Enhancement of electrolarynx speech using adaptive noise cancelling based on independent component analysis. <i>Medical and Biological Engineering and Computing</i> , 2003, 41, 670-678.	1.6	26
28	Spatial distribution of sonoluminescence and sonochemiluminescence generated by cavitation bubbles in 1.2 MHz focused ultrasound field. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 257-263.	3.8	26
29	Cavitation distribution within large phantom vessel and mechanical damage formed on surrounding vessel wall. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 1376-1383.	3.8	26
30	Reduced clot debris size in sonothrombolysis assisted with phase-change nanodroplets. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 183-191.	3.8	25
31	The inception of cavitation bubble clouds induced by high-intensity focused ultrasound. <i>Ultrasonics</i> , 2006, 44, e427-e429.	2.1	24
32	Ultrasound line-by-line scanning method of spatial-temporal active cavitation mapping for high-intensity focused ultrasound. <i>Ultrasonics</i> , 2014, 54, 147-155.	2.1	24
33	Spatial-temporal ultrasound imaging of residual cavitation bubbles around a fluid-tissue interface in histotripsy. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 2563-2572.	0.5	24
34	Enhanced neuronal activity in mouse motor cortex with microbubbles™ oscillations by transcranial focused ultrasound stimulation. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104745.	3.8	24
35	Sonoluminescence characterization of inertial cavitation inside a BSA phantom treated by pulsed HIFU. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 158-164.	3.8	23
36	Minimizing the thermal losses from perfusion during focused ultrasound exposures with flowing microbubbles. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 2336-2344.	0.5	22

#	ARTICLE	IF	CITATIONS
37	Bubble size distribution in acoustic droplet vaporization via dissolution using an ultrasound wide-beam method. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 975-983.	3.8	22
38	Ultrasound Contrast Imaging Based on a Novel Algorithm Combined Pulse Inversion with Wavelet Transform. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1292-1305.	0.7	21
39	Passive acoustic mapping of cavitation using eigenspace-based robust Capon beamformer in ultrasound therapy. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 670-679.	3.8	21
40	Apoptosis Induced by Microbubble-Assisted Acoustic Cavitation in K562 Cells: The Predominant Role of the Cyclosporin A-Dependent Mitochondrial Permeability Transition Pore. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2755-2764.	0.7	20
41	Ultrasound Contrast Plane Wave Imaging Based on Bubble Wavelet Transform: In Vitro and In Vivo Validations. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1584-1597.	0.7	20
42	Parameter measurement of thin elastic layers using low-frequency multi-mode ultrasonic lamb waves. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2001, 50, 1397-1403.	2.4	19
43	High-speed observation of cavitation bubble cloud structures in the focal region of a 1.2 MHz high-intensity focused ultrasound transducer. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 291-297.	3.8	19
44	Compare ultrasound-mediated heating and cavitation between flowing polymer- and lipid-shelled microbubbles during focused ultrasound exposures. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 4845-4855.	0.5	19
45	Non-invasive Vascular Radial/Circumferential Strain Imaging and Wall Shear Rate Estimation Using Video Images of Diagnostic Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 622-636.	0.7	19
46	Increasing Axial Resolution of Ultrasonic Imaging With a Joint Sparse Representation Model. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2016, 63, 2045-2056.	1.7	19
47	Application of spectral subtraction method on enhancement of electrolarynx speech. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 398-406.	0.5	18
48	An optimized procedure for solubilization, reduction, and transfer of human breast cancer membrane-enriched fraction by α -DE. <i>Electrophoresis</i> , 2007, 28, 3333-3340.	1.3	18
49	Parametric Perfusion Imaging Based on Low-Cost Ultrasound Platform. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 130-144.	0.7	18
50	Flow Quantification with Nakagami Parametric Imaging for Suppressing Contrast Microbubbles Attenuation. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 660-669.	0.7	17
51	A Robust Post-Processing Workflow for Datasets with Motion Artifacts in Diffusion Kurtosis Imaging. <i>PLoS ONE</i> , 2014, 9, e94592.	1.1	17
52	Rapid and reliable tract-based spatial statistics pipeline for diffusion tensor imaging in the neonatal brain: Applications to the white matter development and lesions. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1314-1321.	1.0	17
53	Manipulation of Nanodroplets via a Nonuniform Focused Acoustic Vortex. <i>Physical Review Applied</i> , 2020, 13, .	1.5	17
54	The preparation of genistein and LC-MS/MS on-line analysis. <i>Drug Development Research</i> , 2004, 61, 6-12.	1.4	16

#	ARTICLE	IF	CITATIONS
55	Fluidity and elasticity form a concise set of viscoelastic biomarkers for breast cancer diagnosis based on Kelvinâ€œVoigt fractional derivative modeling. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 2163-2177.	1.4	16
56	Cascadeâ€œAmplifying Synergistic Therapy for Intracranial Glioma via Endogenous Reactive Oxygen Speciesâ€œTriggered â€œAllâ€œinâ€œOneâ€œNanoplatfrom. <i>Advanced Functional Materials</i> , 2021, 31, 2105786.	7.8	16
57	Synergistic therapy for orthotopic gliomas <i>via</i> biomimetic nanosonosensitizer-mediated sonodynamic therapy and ferroptosis. <i>Biomaterials Science</i> , 2022, 10, 3911-3923.	2.6	16
58	Measuring Body-Cover Vibration of Vocal Folds Based on High-Frame-Rate Ultrasonic Imaging and High-Speed Video. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2384-2390.	2.5	15
59	The effect of entrance radii on intraglottal pressure distributions in the divergent glottis. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 1371-1377.	0.5	15
60	Surface vibration and nearby cavitation of an <i>ex vivo</i> bovine femur exposed to high intensity focused ultrasound. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 1656-1662.	0.5	15
61	Cavitation mapping by sonochemiluminescence with less bubble displacement induced by acoustic radiation force in a 1.2 MHz HIFU. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 559-565.	3.8	15
62	Histotripsy Produced by Hundred-Microsecond-Long Focused Ultrasonic Pulses: A Preliminary Study. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 2232-2244.	0.7	15
63	Feasibility of Using Ultrasonic Nakagami Imaging for Monitoring Microwave-Induced Thermal Lesion in Exâ€œVivo Porcine Liver. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 482-493.	0.7	15
64	Inverse effects of flowing phase-shift nanodroplets and lipid-shelled microbubbles on subsequent cavitation during focused ultrasound exposures. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 400-409.	3.8	15
65	Design and Characterization of an Acoustically and Structurally Matched 3-D-Printed Model for Transcranial Ultrasound Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 741-748.	1.7	15
66	Detection and Monitoring of Thermal Lesions Induced by Microwave Ablation Using Ultrasound Imaging and Convolutional Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 965-973.	3.9	15
67	Characterization of Extensive Microstructural Variations Associated with Punctate White Matter Lesions in Preterm Neonates. <i>American Journal of Neuroradiology</i> , 2017, 38, 1228-1234.	1.2	14
68	Nakagami-m parametric imaging for characterization of thermal coagulation and cavitation erosion induced by HIFU. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 78-85.	3.8	14
69	Acoustic droplet vaporization and inertial cavitation thresholds and efficiencies of nanodroplets emulsions inside the focused region using a dual-frequency ring focused ultrasound. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 532-537.	3.8	14
70	Aerodynamic characteristics of laryngectomees breathing quietly and speaking with the electrolarynx. <i>Journal of Voice</i> , 2004, 18, 567-577.	0.6	13
71	Spatial and temporal observation of phase-shift nano-emulsions assisted cavitation and ablation during focused ultrasound exposure. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1745-1751.	3.8	13
72	Wavelet-based estimation of EEG coherence during Chinese Stroop task. <i>Computers in Biology and Medicine</i> , 2006, 36, 1303-1315.	3.9	12

#	ARTICLE	IF	CITATIONS
73	Image-Guided 256-Element Phased-Array Focused Ultrasound Surgery. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 84-90.	1.1	12
74	Measuring body layer vibration of vocal folds by high-frame-rate ultrasound synchronized with a modified electroglottograph. Journal of the Acoustical Society of America, 2013, 134, 528-538.	0.5	12
75	Real-time monitoring of controllable cavitation erosion in a vessel phantom with passive acoustic mapping. Ultrasonics Sonochemistry, 2017, 39, 291-300.	3.8	12
76	Cavitation characteristics of flowing low and high boiling-point perfluorocarbon phase-shift nanodroplets during focused ultrasound exposures. Ultrasonics Sonochemistry, 2020, 65, 105060.	3.8	12
77	Ultrasound-assisted brain delivery of nanomedicines for brain tumor therapy: advance and prospect. Journal of Nanobiotechnology, 2022, 20, .	4.2	12
78	Direct measurement of ultrasonic velocity of thin elastic layers. Journal of the Acoustical Society of America, 1997, 101, 626-628.	0.5	11
79	Multi-Band Spectral Subtraction Method for Electrolarynx Speech Enhancement. Algorithms, 2009, 2, 550-564.	1.2	11
80	Improvement of Electrolaryngeal Speech Quality Using a Supraglottal Voice Source With Compensation of Vocal Tract Characteristics. IEEE Transactions on Biomedical Engineering, 2013, 60, 1965-1974.	2.5	11
81	Pulse-Inversion Subharmonic Ultrafast Active Cavitation Imaging in Tissue Using Fast Eigenspace-Based Adaptive Beamforming and Cavitation Deconvolution. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1175-1193.	1.7	11
82	<i>In vivo</i> monitoring of microwave ablation in a porcine model using ultrasonic differential attenuation coefficient intercept imaging. International Journal of Hyperthermia, 2018, 34, 1157-1170.	1.1	11
83	Fabrication and Characterization of Single-Aperture 3.5-MHz BNT-Based Ultrasonic Transducer for Therapeutic Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 582-588.	1.7	11
84	Occlusion and rupture of <i>ex vivo</i> capillary bifurcation due to acoustic droplet vaporization. Applied Physics Letters, 2018, 112, .	1.5	11
85	Decreased clot debris size and increased efficiency of acoustic vortex assisted high intensity focused ultrasound thrombolysis. Journal of Applied Physics, 2020, 128, 094901.	1.1	11
86	Parameter measurement of the cylindrically curved thin layer using low-frequency circumferential Lamb waves. Ultrasonics, 2005, 43, 357-364.	2.1	10
87	Optimal design and experimental investigation of surfactant encapsulated microbubbles. Ultrasonics, 2006, 44, e119-e122.	2.1	10
88	Delay multiply and sum beamforming method applied to enhance linear array passive acoustic mapping of ultrasound cavitation. Medical Physics, 2019, 46, 4441-4454.	1.6	10
89	A Highly Efficient One-for-All Nanodroplet for Ultrasound Imaging-Guided and Cavitation-Enhanced Photothermal Therapy. International Journal of Nanomedicine, 2021, Volume 16, 3105-3119.	3.3	10
90	Features of Listeners Affecting the Perceptions of Mandarin Electrolaryngeal Speech. Folia Phoniatica Et Logopaedica, 2005, 57, 9-19.	0.5	9

#	ARTICLE	IF	CITATIONS
91	Flowing microbubble manipulation in blood vessel phantom using ultrasonic standing wave with stepwise frequency. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	9
92	Influence of Guided Waves in Tibia on Non-linear Scattering of Contrast Agents. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 561-573.	0.7	9
93	Precise spatial control of cavitation erosion in a vessel phantom by using an ultrasonic standing wave. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 163-172.	3.8	9
94	Nakagami Parametric Imaging for Atherosclerotic Plaque Characterization Using the Coarse-to-Fine Method. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1275-1289.	0.7	9
95	Lowering of acoustic droplet vaporization threshold via aggregation. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	9
96	Effects of Vertical Glottal Duct Length on Intraglottal Pressures and Phonation Threshold Pressure in the Uniform Glottis. <i>Journal of Voice</i> , 2018, 32, 8-22.	0.6	9
97	Abdominal parametric perfusion imaging with respiratory motion-compensation based on contrast-enhanced ultrasound: In-vivo validation. <i>Computerized Medical Imaging and Graphics</i> , 2018, 65, 11-21.	3.5	9
98	Effect of scattered pressures from oscillating microbubbles on neuronal activity in mouse brain under transcranial focused ultrasound stimulation. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104935.	3.8	9
99	The effects of the false vocal fold gaps on intralaryngeal pressure distributions and their effects on phonation. <i>Science in China Series C: Life Sciences</i> , 2008, 51, 1045-1051.	1.3	8
100	Sonochemiluminescence observation and acoustic detection of cavitation induced by pulsed HIFU at a tissue-fluid interface. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 1370-1375.	3.8	8
101	Measurement of the sound transmission characteristics of normal neck tissue using a reflectionless uniform tube. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 350-356.	0.5	8
102	Visualizing the movement of the contact between vocal folds during vibration by using array-based transmission ultrasonic glottography. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3312-3322.	0.5	8
103	Bubble Echo based deconvolution of contrast-enhanced ultrasound imaging: Simulation and experimental validations. <i>Medical Physics</i> , 2018, 45, 4094-4103.	1.6	8
104	A Deep Siamese-Based Plantar Fasciitis Classification Method Using Shear Wave Elastography. <i>IEEE Access</i> , 2019, 7, 130999-131007.	2.6	8
105	Passive cavitation mapping using dual apodization with cross-correlation in ultrasound therapy monitoring. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 18-31.	3.8	8
106	Noninvasive Pressure Estimation Based on the Subharmonic Response of SonoVue: Application to Intracranial Blood Pressure Assessment. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 957-966.	1.7	8
107	Focused Acoustic Vortex-Regulated Composite Nanodroplets Combined with Checkpoint Blockade for High-Performance Tumor Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30466-30479.	4.0	8
108	Design and Evaluation of an Electrolarynx with Tonal Control Function for Mandarin. <i>Folia Phoniatrica Et Logopaedica</i> , 2012, 64, 290-296.	0.5	7

#	ARTICLE	IF	CITATIONS
109	Optical tracking of local surface wave for skin viscoelasticity. <i>Medical Engineering and Physics</i> , 2014, 36, 708-714.	0.8	7
110	Modeling photoacoustic cavitation nucleation and bubble dynamics with modified classical nucleation theory. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 1282-1289.	0.5	7
111	DCEUS-based focal parametric perfusion imaging of microvessel with single-pixel resolution and high contrast. <i>Ultrasonics</i> , 2018, 84, 392-403.	2.1	7
112	Histotripsy Using Fundamental and Second Harmonic Superposition Combined with Hundred-Microsecond Ultrasound Pulses. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2089-2104.	0.7	7
113	Visualizing the mechanical wave of vocal fold tissue during phonation using electroglottogram-triggered ultrasonography. <i>Journal of the Acoustical Society of America</i> , 2018, 143, EL425-EL429.	0.5	7
114	Radiated Noise Suppression for Electrolarynx Speech Based on Multiband Time-Domain Amplitude Modulation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2018, 26, 1585-1593.	4.0	7
115	Numerical and experimental investigation of impacts of nonlinear scattering encapsulated microbubbles on Nakagami distribution. <i>Medical Physics</i> , 2019, 46, 5467-5477.	1.6	7
116	Sensitive detection of dopamine with ultrasound cavitation-enhanced fluorescence method. <i>Microchemical Journal</i> , 2019, 150, 104199.	2.3	7
117	Intraglottal Pressure: A Comparison Between Male and Female Larynxes. <i>Journal of Voice</i> , 2020, 34, 813-822.	0.6	7
118	Assessment of a Method for the Automatic On/Off Control of an Electrolarynx via Lip Deformation. <i>Journal of Voice</i> , 2012, 26, 674.e21-674.e30.	0.6	6
119	Sonochemiluminescence observation of lipid- and polymer-shelled ultrasound contrast agents in 1.2 MHz focused ultrasound field. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 162-170.	3.8	6
120	Ultrafast active cavitation imaging with enhanced cavitation to tissue ratio based on wavelet transform and pulse inversion. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 3099-3106.	0.5	6
121	Acoustic signal characteristics of laser induced cavitation in DDFP droplet: Spectrum and time-frequency analysis. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S423-S427.	0.4	6
122	Wavelet-transform-based active imaging of cavitation bubbles in tissues induced by high intensity focused ultrasound. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 798-805.	0.5	6
123	Spatial-temporal three-dimensional ultrasound plane-by-plane active cavitation mapping for high-intensity focused ultrasound in free field and pulsatile flow. <i>Ultrasonics</i> , 2016, 69, 166-181.	2.1	6
124	Visualizing the Vibration of Laryngeal Tissue during Phonation Using Ultrafast Plane Wave Ultrasonography. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 2812-2825.	0.7	6
125	Reduced clot debris size using standing waves formed via high intensity focused ultrasound. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	6
126	<i>In vitro</i> evaluation of accuracy of dynamic contrast-enhanced ultrasound (DCEUS)-based parametric perfusion imaging with respiratory motion compensation. <i>Medical Physics</i> , 2018, 45, 2119-2128.	1.6	6

#	ARTICLE	IF	CITATIONS
127	Fast Von Mises strain imaging on ultrasound carotid vessel wall by flow driven diffusion method. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 669-686.	1.4	6
128	Von Mises Strain as a Risk Marker for Vulnerability of Carotid Plaque: Preliminary Clinical Evaluation of Cerebral Infarction. Ultrasound in Medicine and Biology, 2019, 45, 1221-1233.	0.7	6
129	Histotripsy Liquefaction of Large Hematoma for Intracerebral Hemorrhage Using Millisecond-Length Ultrasound Pulse Groups Combined With Fundamental and Second Harmonic Superposition: A Preliminary Study. Ultrasound in Medicine and Biology, 2020, 46, 1244-1257.	0.7	6
130	Enhanced Sonothrombolysis Induced by High-Intensity Focused Acoustic Vortex. Ultrasound in Medicine and Biology, 2022, , .	0.7	6
131	Membrane protein analysis of human breast cancer cell line MCF7 by different membrane washing methods. Cell Biochemistry and Function, 2008, 26, 787-796.	1.4	5
132	A Preliminary Study for a Slantwise-Placed Electroglottography. Journal of Voice, 2015, 29, 129.e19-129.e27.	0.6	5
133	DCEUS-based multiparametric perfusion imaging using pulse-inversion Bubblelet decorrelation. Medical Physics, 2018, 45, 2509-2517.	1.6	5
134	In vivo Nakagami-m parametric imaging of microbubble-enhanced ultrasound regulated by RF and VF processing techniques. Medical Physics, 2020, 47, 5659-5668.	1.6	5
135	Effects of Vertical Glottal Duct Length on Intraglottal Pressures in the Convergent Glottis. Applied Sciences (Switzerland), 2021, 11, 4535.	1.3	5
136	Enhanced HIFU Theranostics with Dual-Frequency-Ring Focused Ultrasound and Activatable Perfluoropentane-Loaded Polymer Nanoparticles. Micromachines, 2021, 12, 1324.	1.4	5
137	The effect of three-dimensional glottal geometry on intraglottal quasi-steady flow distributions and their relationship with phonation. Science in China Series C: Life Sciences, 2006, 49, 82-88.	1.3	4
138	Ultrafast 2-Dimensional Image Monitoring and Array-Based Passive Cavitation Detection for Ultrasound Contrast Agent Destruction in a Variably Sized Region. Journal of Ultrasound in Medicine, 2014, 33, 1957-1970.	0.8	4
139	A novel ultrasonic-triggered drug release and tracked drug delivery system based on gas-filled BSA microbubbles and gelatin nanogels. Journal of Controlled Release, 2015, 213, e24.	4.8	4
140	Parametric perfusion imaging with single-pixel resolution and high signal to clutter ratio. , 2015, , .		4
141	High-contrast active cavitation imaging technique based on multiple bubble wavelet transform. Journal of the Acoustical Society of America, 2016, 140, 1000-1011.	0.5	4
142	Evaluation of accuracy of automatic out-of-plane respiratory gating for DCEUS-based quantification using principal component analysis. Computerized Medical Imaging and Graphics, 2018, 70, 155-164.	3.5	4
143	Influence of guided waves in bone on pulse-inversion contrast-enhanced ultrasound. Medical Physics, 2019, 46, 3475-3482.	1.6	4
144	Super-Resolution Reconstruction of Deformable Tissue from Temporal Sequence of Ultrasound Images. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
145	Development and Evaluation of On/Off Control for Electrolaryngeal Speech Via Artificial Neural Network Based on Visual Information of Lips. <i>Journal of Voice</i> , 2013, 27, 259.e7-259.e16.	0.6	3
146	Ultrasound contrast plane wave imaging with higher CTR based on pulse inversion bubble wavelet transform. , 2014, , .		3
147	Cavitation Mapping. , 2015, , 47-114.		3
148	Influences of frequency-dispersive guided waves on contrast-enhanced ultrasound imaging. , 2016, , .		3
149	Ultrasonic concentration imaging of cavitation bubbles using Nakagami statistical model. , 2016, , .		3
150	Passive acoustic mapping of cavitation based on frequency sum and robust capon beamformer. , 2017, , .		3
151	Ultrasound Transcranial Imaging Based on Fast Coherent-Time-Delay and Correlative Pixel-Based Beamforming. , 2018, , .		3
152	Dual apodization with cross-correlation combined with robust Capon beamformer applied to ultrasound passive cavitation mapping. <i>Medical Physics</i> , 2020, 47, 2182-2196.	1.6	3
153	Cavitation Endothelium Damage of Large Artery Vessel: A Potential Application to Animal Model of Atherosclerosis. <i>IFMBE Proceedings</i> , 2014, , 63-66.	0.2	3
154	Study on the Application of Super-Resolution Ultrasound for Cerebral Vessel Imaging in Rhesus Monkeys. <i>Frontiers in Neurology</i> , 2021, 12, 720320.	1.1	3
155	Multiple-Focus Patterns of Sparse Random Array Using Particle Swarm Optimization for Ultrasound Surgery. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 565-579.	1.7	3
156	Transcranial Ultrasound Estimation of Viscoelasticity and Fluidity of the Soft Matter. <i>Physical Review Applied</i> , 2022, 17, .	1.5	3
157	Parametric perfusion imaging using contrast enhanced ultrasound with bolus administration of contrast agents. , 2012, , .		2
158	Enhancement of electrolarynx speech based on perceptual weighting. , 2012, , .		2
159	Evaluation of a method for vowel-specific voice source control of an electrolarynx using visual information. <i>Speech Communication</i> , 2014, 57, 39-49.	1.6	2
160	Fast adaptive beamforming combined with multiple apodization in ultrasound plane wave imaging. , 2016, , .		2
161	Acoustic influence of the neck tissue on Mandarin voiceless consonant production of electrolaryngeal speech. <i>Speech Communication</i> , 2017, 87, 31-39.	1.6	2
162	Time and Frequency Characteristics of Cavitation Activity Enhanced by Flowing Phase-Shift Nanodroplets and Lipid-Shelled Microbubbles During Focused Ultrasound Exposures. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2118-2132.	0.7	2

#	ARTICLE	IF	CITATIONS
163	A Joint Least Squares and Least Absolute Deviation Model. IEEE Signal Processing Letters, 2019, 26, 543-547.	2.1	2
164	Automatic Respiratory Gating Hepatic DCEUS-based Dual-phase Multi-parametric Functional Perfusion Imaging using a Derivative Principal Component Analysis. Theranostics, 2019, 9, 6143-6156.	4.6	2
165	Reconstruction of Mandarin Electrolaryngeal Fricatives With Hybrid Noise Source. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 383-391.	4.0	2
166	Multipotent miRNA Sponge-Loaded Magnetic Nanodroplets with Ultrasound/Magnet-Assisted Delivery for Hepatocellular Carcinoma Therapy. Molecular Pharmaceutics, 2020, 17, 2891-2910.	2.3	2
167	Solutions to ramp-hold dynamic oscillation indentation tests for assessing the viscoelasticity of hydrogel by Kelvin-Voigt fractional derivative modeling. Mechanics of Materials, 2020, 148, 103431.	1.7	2
168	Formation of two-way Lamb waves and force potential wells using single conventional ultrasonic transducer. Proceedings of Meetings on Acoustics, 2013, , .	0.3	2
169	Non-Invasive Von Mises Strain Imaging for Longitudinal Artery Wall. Journal of Medical Imaging and Health Informatics, 2016, 6, 906-915.	0.2	2
170	The viscoelastic characteristics of in-vitro carotid plaque by Kelvin-Voigt fractional derivative modeling. Journal of Biomechanics, 2022, 141, 111210.	0.9	2
171	Discover layered structure in ultrasound images with a joint sparse representation model. , 2015, , .		1
172	Feasibility of acoustic evaluation of thermal lesions at bone-soft tissue interface of an ex vivo bovine bone exposed to high-intensity focused ultrasound. , 2015, , .		1
173	Histotripsy produced by hundreds of microsecond focused ultrasound pulses in gels and tissue ex vivo. , 2015, , .		1
174	Contrast-enhanced ultrasound imaging with high CTR and improved resolution by bubble-echo based deconvolution. , 2015, , .		1
175	Cavitation-Enhanced Mechanical Effects and Applications. , 2015, , 207-263.		1
176	Low intensity ultrasound induces apoptosis via MPT channel on mitochondrial membrane: Target for regulating cancer therapy or not?. AIP Conference Proceedings, 2017, , .	0.3	1
177	Vocal efficiency of electrolaryngeal speech production. Speech Communication, 2017, 89, 17-24.	1.6	1
178	Size distribution estimation of cavitation bubble cloud via bubbles dissolution using an ultrasound wide-beam method. AIP Conference Proceedings, 2017, , .	0.3	1
179	Monitoring of microwave ablation in porcine liver using ultrasonic Nakagami imaging. , 2017, , .		1
180	Low Frequency Ultrasound Transcranial Imaging with Coherent Compounding of Diverging Chirp Waves. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
181	A Parallelizable Framework for Segmenting Piecewise Signals. IEEE Access, 2019, 7, 13217-13229.	2.6	1
182	Synergistic Effects: ROS-Responsive Blended Nanoparticles: Cascade Amplifying Synergistic Effects of Sonochemotherapy with On-demand Boosted Drug Release During SDT Process (Adv. Healthcare Mater.) Tj ETQq 0 0 rgBTI/Overlock	2.6	1
183	Microbubble-enhanced ultrasonic neuromodulation of motor cortex of mouse. , 2019, , .		1
184	Statistical and Texture Descriptors of Symptomatic Plantar Fasciitis Using Ultrasound Shear Wave Elastography. IEEE Access, 2020, 8, 120146-120159.	2.6	1
185	Aoustical and perceptual characteristics of mandarin consonants produced with an electrolarynx. Speech Communication, 2020, 123, 26-34.	1.6	1
186	Detection and Monitoring of Microwave Ablation by Ultrasound Imaging Based on Convolutional Neural Network. , 2020, , .		1
187	Feasibility investigation of logarithmic Nakagami parametric imaging in recovering underestimated perfusion metrics of DCEUS in the uneven acoustic field. Medical Physics, 2022, , .	1.6	1
188	A tunable incremental factor algorithm in fundus indocyanine green angiogram registration and mosaicing. , 2003, , .		0
189	The dynamics of cavitation bubble clouds in high-intensity focused ultrasound field observed by high-speed photography. , 2007, 6279, 620.		0
190	Modeling exome sequencing data with generalized Gaussian distribution with application to copy number variation detection. , 2013, , .		0
191	Pulse inversion based multi-subharmonic composite cavitation imaging. , 2015, , .		0
192	Optical and acoustic observation of photodisruption in two liquid perfluorocarbons induced by nanosecond laser. , 2015, , .		0
193	Compressive adaptive beamforming in 2D and 3D ultrafast active cavitation imaging. , 2015, , .		0
194	Monitoring imaging of lesions induced by high intensity focused ultrasound based on a matching pursuit method. , 2015, , .		0
195	Contrast-based transient flow vector distribution in arterial stenosis based on plane wave bubble wavelet imaging and modified optical flow method. , 2015, , .		0
196	Potential mechanism of apoptosis induced by ultrasound in human hepatocarcinoma cells via comparative proteomic analysis. Bio-Medical Materials and Engineering, 2015, 26, S2083-S2089.	0.4	0
197	Enhanced cavitation activities from axial split foci using second/third-harmonic superimposition for focused ultrasound surgery. , 2015, , .		0
198	Ultrasound-enhanced extravasation of multifunctional nanodroplets from leaky vessel. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
199	Feasibility of micro-elastography for tissue surrounding phase-change microbubbles using bubble wavelet transform. , 2015, , .		0
200	High speed imaging and measurement of laryngeal vibration during phonation using ultrafast ultrasonography: A preliminary study. , 2015, , .		0
201	Size Distribution of Cavitation Bubbles. , 2015, , 115-150.		0
202	Feasibility and limitation of parametric perfusion imaging based on dynamic contrast-enhanced plane wave imaging. , 2016, , .		0
203	Joint imaging techniques for mechanical and structure characteristics of atherosclerosis plaques. , 2016, , .		0
204	Apoptosis induced by low-intensity ultrasound in vitro: Alteration of protein profile and potential molecular mechanism. AIP Conference Proceedings, 2017, , .	0.3	0
205	Conformal drug delivery and instantaneous monitoring based on an inverse synthesis method at a diagnostic ultrasound platform. AIP Conference Proceedings, 2017, , .	0.3	0
206	Precisely controlled cavitation during the perfluorocarbon nanodroplets assisted HIFU surgery. , 2017, , .		0
207	Notice of Removal: FUS cavitation induced injury and localized atherosclerosis plaques of rabbit abdominal arterial endothelium. , 2017, , .		0
208	Histotripsy produced by dual frequency of fundamental and harmonic superimposition with protocol of hundred-microsecond-length pulses and two stages. , 2017, , .		0
209	Real-time investigation of irreversible cell membrane damage induced by acoustic droplet vaporization. , 2017, , .		0
210	Enhanced histotripsy induced by hundreds of microsecond pulses and dual-frequency second harmonic superimposition: A preliminary study. , 2017, , .		0
211	Histotripsy produced by dual frequency of fundamental and harmonic superimposition with protocol of hundred-microsecond-length pulses and two stages. , 2017, , .		0
212	Passive acoustic mapping of cavitation based on frequency sum and robust capon beamformer. , 2017, , .		0
213	Monitoring of microwave ablation in porcine liver using ultrasonic Nakagami imaging. , 2017, , .		0
214	Optical and acoustic study on phase transition of nanodroplets: Acoustic droplet vaporization versus photoacoustic cavitation. , 2017, , .		0
215	Enhanced histotripsy induced by hundreds of microsecond pulses and dual-frequency second harmonic superimposition: A preliminary study. , 2017, , .		0
216	Notice of Removal: Ultrasound imaging with enhanced lesion-to-bubble ratio based on wavelet transform for monitoring of high-intensity focused ultrasound. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
217	Real-time investigation of irreversible cell membrane damage induced by acoustic droplet vaporization. , 2017, , .		0
218	Precisely controlled cavitation during the perfluorocarbon (PFC) nanodroplets assisted HIFU surgery. , 2017, , .		0
219	Detection of False-Positive Deletions from the Database of Genomic Variants. BioMed Research International, 2019, 2019, 1-8.	0.9	0
220	Microbubble-enhanced ultrasonic neuromodulation of motor cortex of mouse. , 2019, , .		0
221	Phase-Coded Pulse Sequence for Passive Detection and Mapping of Ultrasound Cavitation. , 2019, , .		0
222	A fast scheme for renal microvascular perfusion functional imaging: Assessed by an imaging quality evaluation model. Medical Physics, 2019, 46, 738-745.	1.6	0
223	Nakagami-m parametric characterization of contrast-enhanced ultrasound: In vivo validations. , 2020, , .		0
224	Robust Artifacts Suppression in Ultrasound Passive Cavitation Mapping using Multi-apodization with Cross-correlation. , 2020, , .		0
225	Enhanced Hemispherical-array Passive Acoustic Mapping utilizing Dual Apodization with Cross-correlation. , 2020, , .		0
226	Super-Resolution Passive Cavitation Mapping with Diagnostic Ultrasound Arrays: A Preliminary Study. , 2021, , .		0