

Mingxi Wan

List of Publications by Year in descending order

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226
papers

2,616
citations

218381

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233
all docs

233
docs citations

233
times ranked

2215
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Transcranial Ultrasound Estimation of Viscoelasticity and Fluidity of the Soft Matter. <i>Physical Review Applied</i> , 2022, 17, .	1.5	3
4	Feasibility investigation of logarithmic Nakagami parametric imaging in recovering underestimated perfusion metrics of DCEUS in the uneven acoustic field. <i>Medical Physics</i> , 2022, , .	1.6	1
5	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
6	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
7	Ultrasound-assisted brain delivery of nanomedicines for brain tumor therapy: advance and prospect. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	12
8	Enhanced Sonothrombolysis Induced by High-Intensity Focused Acoustic Vortex. <i>Ultrasound in Medicine and Biology</i> , 2022, , .	0.7	6
9	The viscoelastic characteristics of in-vitro carotid plaque by Kelvin-Voigt fractional derivative modeling. <i>Journal of Biomechanics</i> , 2022, 141, 111210.	0.9	2
10	A Highly Efficient One-for-All Nanodroplet for Ultrasound Imaging-Guided and Cavitation-Enhanced Photothermal Therapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3105-3119.	3.3	10
11	Effects of Vertical Glottal Duct Length on Intraglottal Pressures in the Convergent Glottis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4535.	1.3	5
12	Cascadeâ€Amplifying Synergistic Therapy for Intracranial Glioma via Endogenous Reactive Oxygen Speciesâ€Triggered â€Allâ€inâ€Oneâ€Nanoplatfrom. <i>Advanced Functional Materials</i> , 2021, 31, 2105786.	7.8	16
13	Enhanced HIFU Theranostics with Dual-Frequency-Ring Focused Ultrasound and Activatable Perfluoropentane-Loaded Polymer Nanoparticles. <i>Micromachines</i> , 2021, 12, 1324.	1.4	5
14	Super-Resolution Passive Cavitation Mapping with Diagnostic Ultrasound Arrays: A Preliminary Study. , 2021, , .		0
15	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
16	Intraglottal Pressure: A Comparison Between Male and Female Larynxes. <i>Journal of Voice</i> , 2020, 34, 813-822.	0.6	7
17	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
18	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

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19	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
20	Statistical and Texture Descriptors of Symptomatic Plantar Fasciitis Using Ultrasound Shear Wave Elastography. <i>IEEE Access</i> , 2020, 8, 120146-120159.	2.6	1
21	Multipotent miRNA Sponge-Loaded Magnetic Nanodroplets with Ultrasound/Magnet-Assisted Delivery for Hepatocellular Carcinoma Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 2891-2910.	2.3	2
22	<i>In vivo</i> Nakagami-m parametric imaging of microbubble-enhanced ultrasound regulated by RF and VF processing techniques. <i>Medical Physics</i> , 2020, 47, 5659-5668.	1.6	5
23	Decreased clot debris size and increased efficiency of acoustic vortex assisted high intensity focused ultrasound thrombolysis. <i>Journal of Applied Physics</i> , 2020, 128, 094901.	1.1	11
24	Nakagami-m parametric characterization of contrast-enhanced ultrasound: In vivo validations. , 2020, , .		0
25	Robust Artifacts Suppression in Ultrasound Passive Cavitation Mapping using Multi-apodization with Cross-correlation. , 2020, , .		0
26	Enhanced Hemispherical-array Passive Acoustic Mapping utilizing Dual Apodization with Cross-correlation. , 2020, , .		0
27	Solutions to ramp-hold dynamic oscillation indentation tests for assessing the viscoelasticity of hydrogel by Kelvin-Voigt fractional derivative modeling. <i>Mechanics of Materials</i> , 2020, 148, 103431.	1.7	2
28	Manipulation of Nanodroplets via a Nonuniform Focused Acoustic Vortex. <i>Physical Review Applied</i> , 2020, 13, .	1.5	17
29	Cavitation characteristics of flowing low and high boiling-point perfluorocarbon phase-shift nanodroplets during focused ultrasound exposures. <i>Ultrasonics Sonochemistry</i> , 2020, 65, 105060.	3.8	12
30	Aoustical and perceptual characteristics of mandarin consonants produced with an electrolarynx. <i>Speech Communication</i> , 2020, 123, 26-34.	1.6	1
31	Histotripsy Liquefaction of Large Hematoma for Intracerebral Hemorrhage Using Millisecond-Length Ultrasound Pulse Groups Combined With Fundamental and Second Harmonic Superposition: A Preliminary Study. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1244-1257.	0.7	6
32	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
33	Fluidity and elasticity form a concise set of viscoelastic biomarkers for breast cancer diagnosis based on Kelvin-Voigt fractional derivative modeling. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 2163-2177.	1.4	16
34	Detection and Monitoring of Microwave Ablation by Ultrasound Imaging Based on Convolutional Neural Network. , 2020, , .		1
35	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
36	A Parallelizable Framework for Segmenting Piecewise Signals. <i>IEEE Access</i> , 2019, 7, 13217-13229.	2.6	1

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37	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
38	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
39	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
40	Synergistic Effects: ROS-Responsive Blended Nanoparticles: Cascade Amplifying Synergistic Effects of Sonochemotherapy with On-Demand Boosted Drug Release During SDT Process (<i>Adv. Healthcare Mater.</i>) Tj ETQp 0 rgBT/Overlock	0.9	0
41	Sensitive detection of dopamine with ultrasound cavitation-enhanced fluorescence method. <i>Microchemical Journal</i> , 2019, 150, 104199.	2.3	7
42	A Deep Siamese-Based Plantar Fasciitis Classification Method Using Shear Wave Elastography. <i>IEEE Access</i> , 2019, 7, 130999-131007.	2.6	8
43	Delay multiply and sum beamforming method applied to enhance linear array passive acoustic mapping of ultrasound cavitation. <i>Medical Physics</i> , 2019, 46, 4441-4454.	1.6	10
44	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
45	Detection of False-Positive Deletions from the Database of Genomic Variants. <i>BioMed Research International</i> , 2019, 2019, 1-8.	0.9	0
46	Influence of guided waves in bone on pulse-inversion contrast-enhanced ultrasound. <i>Medical Physics</i> , 2019, 46, 3475-3482.	1.6	4
47	Von Mises Strain as a Risk Marker for Vulnerability of Carotid Plaque: Preliminary Clinical Evaluation of Cerebral Infarction. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1221-1233.	0.7	6
48	Passive cavitation mapping using dual apodization with cross-correlation in ultrasound therapy monitoring. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 18-31.	3.8	8
49	A Joint Least Squares and Least Absolute Deviation Model. <i>IEEE Signal Processing Letters</i> , 2019, 26, 543-547.	2.1	2
50	Reduced clot debris size in sonothrombolysis assisted with phase-change nanodroplets. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 183-191.	3.8	25
51	Microbubble-enhanced ultrasonic neuromodulation of motor cortex of mouse. , 2019, , .		0
52	Phase-Coded Pulse Sequence for Passive Detection and Mapping of Ultrasound Cavitation. , 2019, , .		0
53	Microbubble-enhanced ultrasonic neuromodulation of motor cortex of mouse. , 2019, , .		1
54	Automatic Respiratory Gating Hepatic DCEUS-based Dual-phase Multi-parametric Functional Perfusion Imaging using a Derivative Principal Component Analysis. <i>Theranostics</i> , 2019, 9, 6143-6156.	4.6	2

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55	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
56	Reconstruction of Mandarin Electrolaryngeal Fricatives With Hybrid Noise Source. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2019, 27, 383-391.	4.0	2
57	A fast scheme for renal microvascular perfusion functional imaging: Assessed by an imaging quality evaluation model. <i>Medical Physics</i> , 2019, 46, 738-745.	1.6	0
58	DCEUS-based multiparametric perfusion imaging using pulse-inversion Bubblelet decorrelation. <i>Medical Physics</i> , 2018, 45, 2509-2517.	1.6	5
59	In-vitro 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
60	In vivo monitoring of microwave ablation in a porcine model using ultrasonic differential attenuation coefficient intercept imaging. <i>International Journal of Hyperthermia</i> , 2018, 34, 1157-1170.	1.1	11
61	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
62	Fabrication and Characterization of Single-Aperture 3.5-MHz BNT-Based Ultrasonic Transducer for Therapeutic Application. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 582-588.	1.7	11
63	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
64	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
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	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
67	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
68	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
69	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
70	Low Frequency Ultrasound Transcranial Imaging with Coherent Compounding of Diverging Chirp Waves. , 2018, , .		1
71	Ultrasound Transcranial Imaging Based on Fast Coherent-Time-Delay and Correlative Pixel-Based Beamforming. , 2018, , .		3
72	Evaluation of accuracy of automatic out-of-plane respiratory gating for DCEUS-based quantification using principal component analysis. <i>Computerized Medical Imaging and Graphics</i> , 2018, 70, 155-164.	3.5	4

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73	<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
74	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
75	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
76	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
77	Bubble-echo based deconvolution of contrast-enhanced ultrasound imaging: Simulation and experimental validations. <i>Medical Physics</i> , 2018, 45, 4094-4103.	1.6	8
78	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
79	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
80	Fast Von Mises strain imaging on ultrasound carotid vessel wall by flow driven diffusion method. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 669-686.	1.4	6
81	Occlusion and rupture of <i>ex vivo</i> capillary bifurcation due to acoustic droplet vaporization. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	11
82	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
83	Low intensity ultrasound induces apoptosis via MPT channel on mitochondrial membrane: Target for regulating cancer therapy or not?. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
84	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
85	Real-time monitoring of controllable cavitation erosion in a vessel phantom with passive acoustic mapping. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 291-300.	3.8	12
86	Feasibility of Using Ultrasonic Nakagami Imaging for Monitoring Microwave-Induced Thermal Lesion in <i>Ex Vivo</i> Porcine Liver. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 482-493.	0.7	15
87	Pulse-Inversion Subharmonic Ultrafast Active Cavitation Imaging in Tissue Using Fast Eigenspace-Based Adaptive Beamforming and Cavitation Deconvolution. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 1175-1193.	1.7	11
88	Vocal efficiency of electrolaryngeal speech production. <i>Speech Communication</i> , 2017, 89, 17-24.	1.6	1
89	Nakagami- m 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
90	Apoptosis induced by low-intensity ultrasound in vitro: Alteration of protein profile and potential molecular mechanism. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0

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91	Reduced clot debris size using standing waves formed via high intensity focused ultrasound. Applied Physics Letters, 2017, 111, .	1.5	6
92	Visualizing the movement of the contact between vocal folds during vibration by using array-based transmission ultrasonic glottography. Journal of the Acoustical Society of America, 2017, 141, 3312-3322.	0.5	8
93	Inverse effects of flowing phase-shift nanodroplets and lipid-shelled microbubbles on subsequent cavitation during focused ultrasound exposures. Ultrasonics Sonochemistry, 2017, 34, 400-409.	3.8	15
94	Conformal drug delivery and instantaneous monitoring based on an inverse synthesis method at a diagnostic ultrasound platform. AIP Conference Proceedings, 2017, , .	0.3	0
95	Size distribution estimation of cavitation bubble cloud via bubbles dissolution using an ultrasound wide-beam method. AIP Conference Proceedings, 2017, , .	0.3	1
96	Precisely controlled cavitation during the perfluorocarbon nanodroplets assisted HIFU surgery. , 2017, , .		0
97	Lowering of acoustic droplet vaporization threshold via aggregation. Applied Physics Letters, 2017, 111, .	1.5	9
98	Notice of Removal: FUS cavitation induced injury and localized atherosclerosis plaques of rabbit abdominal arterial endothelium. , 2017, , .		0
99	Histotripsy produced by dual frequency of fundamental and harmonic superimposition with protocol of hundred-microsecond-length pulses and two stages. , 2017, , .		0
100	Real-time investigation of irreversible cell membrane damage induced by acoustic droplet vaporization. , 2017, , .		0
101	Enhanced histotripsy induced by hundreds of microsecond pulses and dual-frequency second harmonic superimposition: A preliminary study. , 2017, , .		0
102	Histotripsy produced by dual frequency of fundamental and harmonic superimposition with protocol of hundred-microsecond-length pulses and two stages. , 2017, , .		0
103	Monitoring of microwave ablation in porcine liver using ultrasonic Nakagami imaging. , 2017, , .		1
104	Passive acoustic mapping of cavitation based on frequency sum and robust capon beamformer. , 2017, , .		3
105	Passive acoustic mapping of cavitation based on frequency sum and robust capon beamformer. , 2017, , .		0
106	Monitoring of microwave ablation in porcine liver using ultrasonic Nakagami imaging. , 2017, , .		0
107	Optical and acoustic study on phase transition of nanodroplets: Acoustic droplet vaporization versus photoacoustic cavitation. , 2017, , .		0
108	Enhanced histotripsy induced by hundreds of microsecond pulses and dual-frequency second harmonic superimposition: A preliminary study. , 2017, , .		0

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109	Notice of Removal: Ultrasound imaging with enhanced lesion-to-bubble ratio based on wavelet transform for monitoring of high-intensity focused ultrasound. , 2017, , .		0
110	Real-time investigation of irreversible cell membrane damage induced by acoustic droplet vaporization. , 2017, , .		0
111	Precisely controlled cavitation during the perfluorocarbon (PFC) nanodroplets assisted HIFU surgery. , 2017, , .		0
112	Neuroprotective Effect of Low-Intensity Pulsed Ultrasound Against MPP + -Induced Neurotoxicity in PC12 Cells: Involvement of K2P Channels and Stretch-Activated Ion Channels. Ultrasound in Medicine and Biology, 2017, 43, 1986-1999.	0.7	33
113	Influences of frequency-dispersive guided waves on contrast-enhanced ultrasound imaging. , 2016, , .		3
114	Feasibility and limitation of parametric perfusion imaging based on dynamic contrast-enhanced plane wave imaging. , 2016, , .		0
115	Wavelet-transform-based active imaging of cavitation bubbles in tissues induced by high intensity focused ultrasound. Journal of the Acoustical Society of America, 2016, 140, 798-805.	0.5	6
116	Ultrasonic concentration imaging of cavitation bubbles using Nakagami statistical model. , 2016, , .		3
117	Joint imaging techniques for mechanical and structure characteristics of atherosclerosis plaques. , 2016, , .		0
118	Increasing Axial Resolution of Ultrasonic Imaging With a Joint Sparse Representation Model. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 2045-2056.	1.7	19
119	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
120	Sonoluminescence characterization of inertial cavitation inside a BSA phantom treated by pulsed HIFU. Ultrasonics Sonochemistry, 2016, 32, 158-164.	3.8	23
121	Ultrasound Contrast Plane Wave Imaging Based on Bubble Wavelet Transform: InÂVItro and InÂVivo Validations. Ultrasound in Medicine and Biology, 2016, 42, 1584-1597.	0.7	20
122	Spatialâ€temporal three-dimensional ultrasound plane-by-plane active cavitation mapping for high-intensity focused ultrasound in free field and pulsatile flow. Ultrasonics, 2016, 69, 166-181.	2.1	6
123	Low-Intensity Pulsed Ultrasound Enhances Nerve Growth Factor-Induced Neurite Outgrowth through Mechanotransduction-Mediated ERK1/2â€CREBâ€Trx-1 Signaling. Ultrasound in Medicine and Biology, 2016, 42, 2914-2925.	0.7	35
124	Histotripsy Produced by Hundred-Microsecond-Long Focused Ultrasonic Pulses: A Preliminary Study. Ultrasound in Medicine and Biology, 2016, 42, 2232-2244.	0.7	15
125	Rapid and reliable tract-based spatial statistics pipeline for diffusion tensor imaging in the neonatal brain: Applications to the white matter development and lesions. Magnetic Resonance Imaging, 2016, 34, 1314-1321.	1.0	17
126	Visualizing the Vibration of Laryngeal Tissue during Phonation Using Ultrafast Plane Wave Ultrasonography. Ultrasound in Medicine and Biology, 2016, 42, 2812-2825.	0.7	6

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127	Fast adaptive beamforming combined with multiple apodization in ultrasound plane wave imaging. , 2016, , .		2
128	Generalized LASSO with under-determined regularization matrices. Signal Processing, 2016, 127, 239-246.	2.1	40
129	Influence of Guided Waves in Tibia on Non-linear Scattering of Contrast Agents. Ultrasound in Medicine and Biology, 2016, 42, 561-573.	0.7	9
130	Precise spatial control of cavitation erosion in a vessel phantom by using an ultrasonic standing wave. Ultrasonics Sonochemistry, 2016, 31, 163-172.	3.8	9
131	Non-Invasive Von Mises Strain Imaging for Longitudinal Artery Wall. Journal of Medical Imaging and Health Informatics, 2016, 6, 906-915.	0.2	2
132	Pulse inversion based multi-subharmonic composite cavitation imaging. , 2015, , .		0
133	Optical and acoustic observation of photodisruption in two liquid perfluorocarbons induced by nanosecond laser. , 2015, , .		0
134	Compressive adaptive beamforming in 2D and 3D ultrafast active cavitation imaging. , 2015, , .		0
135	Discover layered structure in ultrasound images with a joint sparse representation model. , 2015, , .		1
136	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
137	Ultrafast active cavitation imaging with enhanced cavitation to tissue ratio based on wavelet transform and pulse inversion. Journal of the Acoustical Society of America, 2015, 137, 3099-3106.	0.5	6
138	Modeling photoacoustic cavitation nucleation and bubble dynamics with modified classical nucleation theory. Journal of the Acoustical Society of America, 2015, 138, 1282-1289.	0.5	7
139	Monitoring imaging of lesions induced by high intensity focused ultrasound based on a matching pursuit method. , 2015, , .		0
140	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
141	Contrast-based transient flow vector distribution in arterial stenosis based on plane wave bubble wavelet imaging and modified optical flow method. , 2015, , .		0
142	Acoustic signal characteristics of laser induced cavitation in DDFP droplet: Spectrum and time-frequency analysis. Bio-Medical Materials and Engineering, 2015, 26, S423-S427.	0.4	6
143	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
144	Enhanced cavitation activities from axial split foci using second/third-harmonic superimposition for focused ultrasound surgery. , 2015, , .		0

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145	Ultrasound-enhanced extravasation of multifunctional nanodroplets from leaky vessel. , 2015, , .		0
146	Feasibility of micro-elastography for tissue surrounding phase-change microbubbles using bubble wavelet transform. , 2015, , .		0
147	Histotripsy produced by hundreds of microsecond focused ultrasound pulses in gels and tissue ex vivo. , 2015, , .		1
148	High speed imaging and measurement of laryngeal vibration during phonation using ultrafast ultrasonography: A preliminary study. , 2015, , .		0
149	Contrast-enhanced ultrasound imaging with high CTR and improved resolution by bubble-echo based deconvolution. , 2015, , .		1
150	Parametric perfusion imaging with single-pixel resolution and high signal to clutter ratio. , 2015, , .		4
151	A Preliminary Study for a Slantwise-Placed Electroglottography. Journal of Voice, 2015, 29, 129.e19-129.e27.	0.6	5
152	Apoptosis Induced by Microbubble-Assisted Acoustic Cavitation in K562 Cells: The Predominant Role of the Cyclosporin A-Dependent Mitochondrial Permeability Transition Pore. Ultrasound in Medicine and Biology, 2015, 41, 2755-2764.	0.7	20
153	Spatial-temporal ultrasound imaging of residual cavitation bubbles around a fluid-tissue interface in histotripsy. Journal of the Acoustical Society of America, 2015, 137, 2563-2572.	0.5	24
154	Cavitation Mapping. , 2015, , 47-114.		3
155	Size Distribution of Cavitation Bubbles. , 2015, , 115-150.		0
156	Cavitation-Enhanced Mechanical Effects and Applications. , 2015, , 207-263.		1
157	Dependence of pulsed focused ultrasound induced thrombolysis on duty cycle and cavitation bubble size distribution. Ultrasonics Sonochemistry, 2015, 22, 160-166.	3.8	37
158	A Robust Post-Processing Workflow for Datasets with Motion Artifacts in Diffusion Kurtosis Imaging. PLoS ONE, 2014, 9, e94592.	1.1	17
159	Ultrasound contrast plane wave imaging with higher CTR based on pulse inversion bubble wavelet transform. , 2014, , .		3
160	Measurement of the sound transmission characteristics of normal neck tissue using a reflectionless uniform tube. Journal of the Acoustical Society of America, 2014, 136, 350-356.	0.5	8
161	Enhanced Lesion-to-Bubble Ratio on Ultrasonic Nakagami Imaging for Monitoring of High-Intensity Focused Ultrasound. Journal of Ultrasound in Medicine, 2014, 33, 959-970.	0.8	27
162	Cavitation mapping by sonochemiluminescence with less bubble displacement induced by acoustic radiation force in a 1.2 MHz HIFU. Ultrasonics Sonochemistry, 2014, 21, 559-565.	3.8	15

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163	Ultrafast 2D-Dimensional Image Monitoring and Array-Based Passive Cavitation Detection for Ultrasound Contrast Agent Destruction in a Variably Sized Region. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 1957-1970.	0.8	4
164	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
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