

Dong Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

205
papers

2,668
citations

28
h-index

43
g-index

226
ext. papers

3,386
ext. citations

3.9
avg, IF

5.44
L-index

#	Paper	IF	Citations
205	Recent developments in electrode materials for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4334-4352	13	155
204	The correlation between acoustic cavitation and sonoporation involved in ultrasound-mediated DNA transfection with polyethylenimine (PEI) in vitro. <i>Journal of Controlled Release</i> , 2010 , 145, 40-8	11.7	137
203	A Novel PtTiO ₂ Heterostructure with Oxygen-Deficient Layer as Bilaterally Enhanced Sonosensitizer for Synergistic Chemo-Sonodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 1908598	15.6	108
202	Experimental study on cell self-sealing during sonoporation. <i>Journal of Controlled Release</i> , 2008 , 131, 205-10	11.7	84
201	Microbubble-induced sonoporation involved in ultrasound-mediated DNA transfection in vitro at low acoustic pressures. <i>Journal of Biomechanics</i> , 2012 , 45, 1339-45	2.9	77
200	Asymmetric Synthesis of Tetrahydroindolizines by Bimetallic Relay Catalyzed Cycloaddition of Pyridinium Ylides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12323-12327	16.4	63
199	High thermoelectric performance of superionic argyrodite compound Ag ₈ SnSe ₆ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5806-5813	7.1	60
198	"Two-in-one" fabrication of Fe ₃ O ₄ /MePEG-PLA composite nanocapsules as a potential ultrasonic/MRI dual contrast agent. <i>Langmuir</i> , 2011 , 27, 12134-42	4	58
197	Experimental investigation of the acoustic nonlinearity parameter tomography for excised pathological biological tissues. <i>Ultrasound in Medicine and Biology</i> , 1999 , 25, 593-9	3.5	51
196	Asymmetric [3 + 2] Cycloaddition of Methyleneindolinones with N,N-Cyclic Azomethine Imines Catalyzed by a N,N-Dioxide-Mg(OTf) ₂ Complex. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9691-9	4.2	45
195	Sonoporation-induced cell membrane permeabilization and cytoskeleton disassembly at varied acoustic and microbubble-cell parameters. <i>Scientific Reports</i> , 2018 , 8, 3885	4.9	44
194	Study of acoustic nonlinearity parameter imaging methods in reflection mode for biological tissues. <i>Journal of the Acoustical Society of America</i> , 2004 , 116, 1819-25	2.2	42
193	Double-scattering/reflection in a single nanoparticle for intensified ultrasound imaging. <i>Scientific Reports</i> , 2015 , 5, 8766	4.9	41
192	Acoustic non-diffracting Airy beam. <i>Journal of Applied Physics</i> , 2015 , 117, 104503	2.5	40
191	Reduced graphene oxide modified mesoporous FeNi alloy/carbon microspheres for enhanced broadband electromagnetic wave absorbers. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1786-1794	7.8	39
190	Improvement of tissue harmonic imaging using the pulse-inversion technique. <i>Ultrasound in Medicine and Biology</i> , 2005 , 31, 889-94	3.5	38
189	Investigation on the inertial cavitation threshold and shell properties of commercialized ultrasound contrast agent microbubbles. <i>Journal of the Acoustical Society of America</i> , 2013 , 134, 1622-31	2.2	35

188	Synthesis of H V O /Reduced Graphene Oxide Composite as a Promising Cathode Material for Lithium-Ion Batteries. <i>ChemPlusChem</i> , 2014 , 79, 447-453	2.8	35
187	Acoustic nonlinearity parameter tomography for biological specimens via measurements of the second harmonics. <i>Journal of the Acoustical Society of America</i> , 1996 , 99, 2397-402	2.2	32
186	Low-frequency anechoic metasurface based on coiled channel of gradient cross-section. <i>Applied Physics Letters</i> , 2019 , 114, 083501	3.4	31
185	Phase-coded approach for controllable generation of acoustical vortices. <i>Journal of Applied Physics</i> , 2013 , 113, 154904	2.5	31
184	Enhancement of subharmonic emission from encapsulated microbubbles by using a chirp excitation technique. <i>Physics in Medicine and Biology</i> , 2007 , 52, 5531-44	3.8	31
183	Chiral N,NQdioxide/Co(ii)-promoted asymmetric 1,3-dipolar cycloaddition of nitrones with methyleneindolinones. <i>Chemical Communications</i> , 2017 , 53, 7925-7928	5.8	30
182	Enantioselective Synthesis of 2,2,3-Trisubstituted Indolines via Bimetallic Relay Catalysis of Diazoketones with Enones. <i>Organic Letters</i> , 2018 , 20, 4536-4539	6.2	29
181	Diversified Transformations of Tetrahydroindolizines to Construct Chiral 3-Arylindolizines and Dicarbofunctionalized 1,5-Diketones. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15975-15985	16.4	29
180	Mechanisms underlying sonoporation: Interaction between microbubbles and cells. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105096	8.9	28
179	Cell-cycle-specific Cellular Responses to Sonoporation. <i>Theranostics</i> , 2017 , 7, 4894-4908	12.1	28
178	Fine physical and genetic mapping of powdery mildew resistance gene Mllw172 originating from wild emmer (<i>Triticum dicoccoides</i>). <i>PLoS ONE</i> , 2014 , 9, e100160	3.7	28
177	Interaction between cavitation microbubble and cell: A simulation of sonoporation using boundary element method (BEM). <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 863-871	8.9	27
176	Transcriptome comparison reveals a genetic network regulating the lower temperature limit in fish. <i>Scientific Reports</i> , 2016 , 6, 28952	4.9	27
175	Ultrasound-enhanced protective effect of tetramethylpyrazine against cerebral ischemia/reperfusion injury. <i>PLoS ONE</i> , 2014 , 9, e113673	3.7	26
174	Global identification of the genetic networks and cis-regulatory elements of the cold response in zebrafish. <i>Nucleic Acids Research</i> , 2015 , 43, 9198-213	20.1	22
173	Asymmetric Synthesis of Tetrahydroindolizines by Bimetallic Relay Catalyzed Cycloaddition of Pyridinium Ylides. <i>Angewandte Chemie</i> , 2018 , 130, 12503-12507	3.6	22
172	Modeling complicated rheological behaviors in encapsulating shells of lipid-coated microbubbles accounting for nonlinear changes of both shell viscosity and elasticity. <i>Physics in Medicine and Biology</i> , 2013 , 58, 985-98	3.8	22
171	Microbubble oscillating in a microvessel filled with viscous fluid: A finite element modeling study. <i>Ultrasonics</i> , 2016 , 66, 54-64	3.5	21

170	Modelling of SAW-PDMS acoustofluidics: physical fields and particle motions influenced by different descriptions of the PDMS domain. <i>Lab on A Chip</i> , 2019 , 19, 2728-2740	7.2	21
169	Investigation into the Effect of Acoustic Radiation Force and Acoustic Streaming on Particle Patterning in Acoustic Standing Wave Fields. <i>Sensors</i> , 2017 , 17,	3.8	21
168	Acoustic dipole radiation based electrical impedance contrast imaging approach of magnetoacoustic tomography with magnetic induction. <i>Medical Physics</i> , 2013 , 40, 052902	4.4	21
167	The experimental investigation of ultrasonic properties for a sonicated contrast agent and its application in biomedicine. <i>Ultrasound in Medicine and Biology</i> , 2000 , 26, 347-51	3.5	21
166	Photo- and Sono-Dynamic Therapy: A Review of Mechanisms and Considerations for Pharmacological Agents Used in Therapy Incorporating Light and Sound. <i>Current Pharmaceutical Design</i> , 2019 , 25, 401-412	3.3	21
165	Detection of fatigue-induced micro-cracks in a pipe by using time-reversed nonlinear guided waves: a three-dimensional model study. <i>Ultrasonics</i> , 2012 , 52, 912-9	3.5	20
164	Harmonic responses and cavitation activity of encapsulated microbubbles coupled with magnetic nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 309-16	8.9	19
163	Mechanical and dynamic characteristics of encapsulated microbubbles coupled by magnetic nanoparticles as multifunctional imaging and drug delivery agents. <i>Physics in Medicine and Biology</i> , 2014 , 59, 6729-47	3.8	19
162	Acoustic dipole radiation based conductivity image reconstruction for magnetoacoustic tomography with magnetic induction. <i>Applied Physics Letters</i> , 2012 , 100, 024105	3.4	19
161	Noninvasive estimation of temperature elevations in biological tissues using acoustic nonlinearity parameter imaging. <i>Ultrasound in Medicine and Biology</i> , 2008 , 34, 414-24	3.5	19
160	Experimental imaging of the acoustic nonlinearity parameter B/A for biological tissues via a parametric array. <i>Ultrasound in Medicine and Biology</i> , 2001 , 27, 1359-65	3.5	19
159	Enantioselective [2+2] Photocycloaddition Reactions of Enones and Olefins with Visible Light Mediated by N,N-Dioxide-Metal Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 19361-19367	4.8	19
158	Ultrasound-assisted permeability improvement and acoustic characterization for solid-state fabricated PLA foams. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 137-43	8.9	18
157	Electro-acupuncture attenuates the mice premature ovarian failure via mediating PI3K/AKT/mTOR pathway. <i>Life Sciences</i> , 2019 , 217, 169-175	6.8	17
156	A large areal capacitance structural supercapacitor with a 3D rGO@MnO ₂ foam electrode and polyacrylic acid/Portland cement/KOH electrolyte. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12586-12593 ¹³		16
155	Construction of multifunctional films based on graphene/TiO ₂ composite materials for strain sensing and photodegradation. <i>RSC Advances</i> , 2015 , 5, 104785-104791	3.7	16
154	Controllable in vivo hyperthermia effect induced by pulsed high intensity focused ultrasound with low duty cycles. <i>Applied Physics Letters</i> , 2012 , 101, 124102	3.4	16
153	Deep-level stereoscopic multiple traps of acoustic vortices. <i>Journal of Applied Physics</i> , 2017 , 121, 164901 ^{2.5}		15

152	Fourier and non-Fourier bio-heat transfer models to predict ex vivo temperature response to focused ultrasound heating. <i>Journal of Applied Physics</i> , 2018 , 123, 174906	2.5	15
151	Self-assembly of new M(II) coordination polymers based on asymmetric 1,3,4-oxadiazole-containing ligands: effect of counterions and magnetic properties. <i>CrystEngComm</i> , 2017 , 19, 5864-5872	3.3	14
150	Preventing microbial biofilms on catheter tubes using ultrasonic guided waves. <i>Scientific Reports</i> , 2017 , 7, 616	4.9	14
149	Composite phase change material based on reduced graphene oxide/expanded graphite aerogel with improved thermal properties and shape-stability. <i>International Journal of Energy Research</i> , 2020 , 44, 242-256	4.5	14
148	Acoustic Characterization and Enhanced Ultrasound Imaging of Long-Circulating Lipid-Coated Microbubbles. <i>Journal of Ultrasound in Medicine</i> , 2018 , 37, 1243-1256	2.9	14
147	Simultaneous synthesis of diverse graphene via electrochemical reduction of graphene oxide. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 453-462	2.6	13
146	Acoustic Source Analysis of Magnetoacoustic Tomography With Magnetic Induction for Conductivity Gradual-Varying Tissues. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 758-64	5	13
145	Preparation and Thermal Properties of Graphene Oxide/Microencapsulated Phase Change Materials. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2016 , 20, 147-157	3.7	13
144	Ambient pressure dependence of the ultra-harmonic response from contrast microbubbles. <i>Journal of the Acoustical Society of America</i> , 2012 , 131, 4358-64	2.2	13
143	Kuntai capsule attenuates premature ovarian failure through the PI3K/AKT/mTOR pathway. <i>Journal of Ethnopharmacology</i> , 2019 , 239, 111885	5	12
142	Low-intensity pulsed ultrasound suppresses proliferation and promotes apoptosis via p38 MAPK signaling in rat visceral preadipocytes. <i>American Journal of Translational Research (discontinued)</i> , 2018 , 10, 948-956	3	12
141	Principle and performance of orbital angular momentum communication of acoustic vortex beams based on single-ring transceiver arrays. <i>Journal of Applied Physics</i> , 2020 , 127, 124902	2.5	11
140	N, N'-Dioxide/Gd(OTf) Complex-Promoted Asymmetric Aldol Reaction of Silyl Ketene Imines with Isatins: Water Plays an Important Role. <i>Organic Letters</i> , 2018 , 20, 5314-5318	6.2	11
139	Acoustic characterization of high intensity focused ultrasound fields generated from a transmitter with a large aperture. <i>Journal of Applied Physics</i> , 2014 , 115, 114902	2.5	11
138	Pressure distribution based optimization of phase-coded acoustical vortices. <i>Journal of Applied Physics</i> , 2014 , 115, 084909	2.5	11
137	Enhanced porosity and permeability of three-dimensional alginate scaffolds via acoustic microstreaming induced by low-intensity pulsed ultrasound. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 279-285	8.9	10
136	Kinetic evaluation of the size-dependent decomposition performance of solvent-free microcellular polylactic acid foams. <i>Science Bulletin</i> , 2012 , 57, 83-89		10
135	Comparative study of lesions created by high-intensity focused ultrasound using sequential discrete and continuous scanning strategies. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 763-5		10

134	Reception pattern influence on magnetoacoustic tomography with magnetic induction. <i>Chinese Physics B</i> , 2015 , 24, 014302	1.2	10
133	Microstreaming velocity field and shear stress created by an oscillating encapsulated microbubble near a cell membrane. <i>Chinese Physics B</i> , 2014 , 23, 124302	1.2	10
132	Exploring the structure-property relationships of ultrasonic/MRI dual imaging magnetite/PLA microbubbles: magnetite@Cavity versus magnetite@Shell systems. <i>Colloid and Polymer Science</i> , 2012 , 290, 1617-1626	2.4	10
131	Theoretical and experimental study of the third-order nonlinearity parameter C/A for biological media. <i>Physica D: Nonlinear Phenomena</i> , 2007 , 228, 172-178	3.3	10
130	Ultrasound-Enhanced Protective Effect of Tetramethylpyrazine via the ROS/HIF-1A Signaling Pathway in an in Vitro Cerebral Ischemia/Reperfusion Injury Model. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 1786-1798	3.5	10
129	Noninvasive Treatment-Efficacy Evaluation for HIFU Therapy Based on Magneto-Acousto-Electrical Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 666-674	5	9
128	Low intensity pulse ultrasound stimulate chondrocytes growth in a 3-D alginate scaffold through improved porosity and permeability. <i>Ultrasonics</i> , 2015 , 58, 43-52	3.5	9
127	Linear phase distribution of acoustical vortices. <i>Journal of Applied Physics</i> , 2014 , 116, 024905	2.5	9
126	A dual-frequency excitation technique for enhancing the sub-harmonic emission from encapsulated microbubbles. <i>Physics in Medicine and Biology</i> , 2009 , 54, 4257-72	3.8	9
125	Polymeric microcapsules with internal cavities for ultrasonic imaging: efficient fabrication and physical characterization. <i>Colloid and Polymer Science</i> , 2009 , 287, 683-693	2.4	9
124	Transducer selection and application in magnetoacoustic tomography with magnetic induction. <i>Journal of Applied Physics</i> , 2016 , 119, 094903	2.5	9
123	Enantioselective [3 + 2] cycloaddition and rearrangement of thiazolium salts to synthesize thiazole and 1,4-thiazine derivatives. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2126-2131	5.2	9
122	Cell-cycle-dependences of membrane permeability and viability observed for HeLa cells undergoing multi-bubble-cell interactions. <i>Ultrasonics Sonochemistry</i> , 2019 , 53, 178-186	8.9	8
121	Near-field multiple traps of paraxial acoustic vortices with strengthened gradient force generated by sector transducer array. <i>Journal of Applied Physics</i> , 2018 , 123, 034901	2.5	8
120	Characterization of mechanical properties of hybrid contrast agents by combining atomic force microscopy with acoustic/optic assessments. <i>Journal of Biomechanics</i> , 2016 , 49, 319-25	2.9	8
119	A facile template free synthesis of porous carbon nanospheres with high capacitive performance. <i>Science China Chemistry</i> , 2018 , 61, 538-544	7.9	8
118	Acoustic radiation torque of an acoustic-vortex spanner exerted on axisymmetric objects. <i>Applied Physics Letters</i> , 2018 , 112, 254101	3.4	8
117	Noninvasive treatment efficacy monitoring and dose control for high-intensity focused ultrasound therapy using relative electrical impedance variation. <i>Chinese Physics B</i> , 2017 , 26, 054302	1.2	7

116	Low-intensity pulsed ultrasound promotes apoptosis and inhibits angiogenesis via p38 signaling-mediated endoplasmic reticulum stress in human endothelial cells. <i>Molecular Medicine Reports</i> , 2019 , 19, 4645-4654	2.9	7
115	Two-Dimensional Mapping Separating the Acoustic Radiation Force and Streaming in Microfluidics. <i>Physical Review Applied</i> , 2019 , 11,	4.3	7
114	Effects of active noise cancelling headphones on speech recognition. <i>Applied Acoustics</i> , 2020 , 165, 107335	3.1	7
113	Prediction of suspicious thyroid nodule using artificial neural network based on radiofrequency ultrasound and conventional ultrasound: A preliminary study. <i>Ultrasonics</i> , 2019 , 99, 105951	3.5	7
112	Influence of temperature and voltage on electrochemical reduction of graphene oxide. <i>Bulletin of Materials Science</i> , 2014 , 37, 629-634	1.7	7
111	Chirp excitation technique to enhance microbubble displacement induced by ultrasound radiation force. <i>Journal of the Acoustical Society of America</i> , 2009 , 125, 1410-15	2.2	7
110	Performance evaluation of eigendecomposition-based adaptive clutter filter for color flow imaging. <i>Ultrasonics</i> , 2006 , 44 Suppl 1, e67-71	3.5	7
109	Uniform tissue lesion formation induced by high-intensity focused ultrasound along a spiral pathway. <i>Ultrasonics</i> , 2017 , 77, 38-46	3.5	6
108	Effect of microbubble-enhanced ultrasound on percutaneous ethanol ablation of rat walker-256 tumour. <i>European Radiology</i> , 2016 , 26, 3017-25	8	6
107	Radiation theory comparison for magnetoacoustic tomography with magnetic induction (MAT-MI). <i>Science Bulletin</i> , 2014 , 59, 3246-3254		6
106	Variations in temperature distribution and tissue lesion formation induced by tissue inhomogeneity for therapeutic ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 1857-68	3.5	6
105	Quantitative assessment of acoustic pressure in one-dimensional acoustofluidic devices driven by standing surface acoustic waves. <i>Applied Physics Letters</i> , 2017 , 111, 043508	3.4	6
104	Acoustic focusing of sub-wavelength scale achieved by multiple Fabry-Perot resonance effect. <i>Journal of Applied Physics</i> , 2014 , 115, 104504	2.5	6
103	Sub-wavelength ultrasonic therapy using a spherical cavity transducer with open ends. <i>Applied Physics Letters</i> , 2013 , 102, 204102	3.4	6
102	Subharmonic and ultraharmonic emissions based on the nonlinear oscillation of encapsulated microbubbles in ultrasound contrast agents. <i>Science Bulletin</i> , 2005 , 50, 1975-1978	10.6	6
101	Investigation of a multi-element focused air-coupled transducer. <i>AIP Advances</i> , 2018 , 8, 095010	1.5	6
100	Acoustic field of an ultrasonic cavity resonator with two open ends: Experimental measurements and lattice Boltzmann method modeling. <i>Journal of Applied Physics</i> , 2017 , 121, 124502	2.5	5
99	Acoustic Characterization of Polydimethylsiloxane for Microscale Acoustofluidics. <i>Physical Review Applied</i> , 2020 , 13,	4.3	5

98	Second harmonic magnetoacoustic responses of magnetic nanoparticles in magnetoacoustic tomography with magnetic induction. <i>Chinese Physics B</i> , 2020 , 29, 034302	1.2	5
97	The enhanced HIFU-induced thermal effect via magnetic ultrasound contrast agent microbubbles. <i>Ultrasonics Sonochemistry</i> , 2018 , 49, 111-117	8.9	5
96	Accurate acoustic power measurement for low-intensity focused ultrasound using focal axial vibration velocity. <i>Journal of Applied Physics</i> , 2017 , 122, 014901	2.5	5
95	Quantitative evaluation of fracture healing process of long bones using guided ultrasound waves: a computational feasibility study. <i>Journal of the Acoustical Society of America</i> , 2009 , 125, 2834-7	2.2	5
94	Relationship between the temperature and the acoustic nonlinearity parameter in biological tissues. <i>Science Bulletin</i> , 2004 , 49, 2360-2363		5
93	The influence of droplet concentration on phase change and inertial cavitation thresholds associated with acoustic droplet vaporization. <i>Journal of the Acoustical Society of America</i> , 2020 , 148, EL375	2.2	5
92	An intelligent platform for ultrasound diagnosis of thyroid nodules. <i>Scientific Reports</i> , 2020 , 10, 13223	4.9	5
91	Focused acoustic vortex generated by a circular array of planar sector transducers using an acoustic lens, and its application in object manipulation. <i>Journal of Applied Physics</i> , 2020 , 128, 084901	2.5	5
90	Regulation of multiple off-axis acoustic vortices with a centered quasi-plane wave. <i>Journal of Applied Physics</i> , 2018 , 124, 114901	2.5	5
89	Effects of structural differences of graphene and the preparation strategies on the photocatalytic activity of graphene/TiO ₂ composite film. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 4965-4973	2.1	4
88	Contact Nonlinear Acoustic Diode. <i>Scientific Reports</i> , 2020 , 10, 2564	4.9	4
87	Pulling force of acoustic-vortex beams on centered elastic spheres based on the annular transducer model. <i>Chinese Physics B</i> , 2020 , 29, 054302	1.2	4
86	Interaction between encapsulated microbubbles: A finite element modelling study. <i>Chinese Physics B</i> , 2018 , 27, 084302	1.2	4
85	Low-intensity pulsed ultrasound inhibits adipogenic differentiation via HDAC1 signalling in rat visceral preadipocytes. <i>Adipocyte</i> , 2019 , 8, 292-303	3.2	4
84	Real-Time Monitoring and Quantitative Evaluation of Cavitation Bubbles Induced by High Intensity Focused Ultrasound Using B-Mode Imaging. <i>Chinese Physics Letters</i> , 2014 , 31, 034302	1.8	4
83	Ti-Si-N films prepared by magnetron sputtering. <i>Rare Metals</i> , 2012 , 31, 183-188	5.5	4
82	p38 MAPK signaling is a key mediator for low-intensity pulsed ultrasound (LIPUS) in cultured human omental adipose-derived mesenchymal stem cells. <i>American Journal of Translational Research (discontinued)</i> , 2019 , 11, 418-429	3	4
81	Random phase screen influence of the inhomogeneous tissue layer on the generation of acoustic vortices. <i>Chinese Physics B</i> , 2018 , 27, 034301	1.2	4

80	In vivo evaluation of two-dimensional temperature variation in perirenal fat of pigs with B-mode ultrasound. <i>Journal of Applied Physics</i> , 2019 , 126, 084902	2.5	3
79	Enhanced eradication of <i>Pseudomonas aeruginosa</i> bio-films by using ultrasound combined with neutrophil and antibiotics. <i>Applied Acoustics</i> , 2019 , 152, 101-109	3.1	3
78	A FVCOM study of the potential coastal flooding in apponagansett bay and clarks cove, Dartmouth Town (MA). <i>Natural Hazards</i> , 2020 , 103, 2787-2809	3	3
77	Study on the variation of rock pore structure after polymer gel flooding. <i>E-Polymers</i> , 2020 , 20, 32-38	2.7	3
76	Conductivity Anisotropy Influence on Acoustic Sources for Magnetoacoustic Tomography With Magnetic Induction. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2512-2518	5	3
75	Prediction of HIFU Propagation in a Dispersive Medium via Khokhlov-Zabolotskaya-Kuznetsov Model Combined with a Fractional Order Derivative. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 609	2.6	3
74	Nonlinear oscillation of pathological vocal folds during vocalization. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 1324-1328	3.6	3
73	Enhanced ultrasonic focusing and temperature elevation via a therapeutic ultrasonic transducer with sub-wavelength periodic structure. <i>Applied Physics Letters</i> , 2017 , 111, 053701	3.4	3
72	Impact of cavitation on lesion formation induced by high intensity focused ultrasound. <i>Chinese Physics B</i> , 2017 , 26, 054301	1.2	3
71	Ambient Pressure Evaluation Through Sub-Harmonic Response of Chirp-Sonicated Microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 332-340	3.5	3
70	A nonlinear approach to identify pathological change of thyroid nodules based on statistical analysis of ultrasound RF signals. <i>Scientific Reports</i> , 2017 , 7, 16930	4.9	3
69	Quantitative evaluation of contact stiffness between pressed solid surfaces using dual-frequency ultrasound. <i>Journal of Applied Physics</i> , 2010 , 108, 034902	2.5	3
68	Investigation on phase-coded third harmonic imaging for normal and pathological tissues in transmission mode in vitro. <i>Science Bulletin</i> , 2006 , 51, 1180-1184		3
67	Third order harmonic imaging for biological tissues using three phase-coded pulses. <i>Ultrasonics</i> , 2006 , 44 Suppl 1, e61-5	3.5	3
66	Manipulating the regioselectivity of a <i>Solanum lycopersicum</i> epoxide hydrolase for the enantioconvergent synthesis of enantiopure alkane- and alkene-1,2-diols. <i>Catalysis Science and Technology</i> , 2020 , 10, 5886-5895	5.5	3
65	Nonlinear response of ultrasound contrast agent microbubbles: From fundamentals to applications. <i>Chinese Physics B</i> , 2016 , 25, 124308	1.2	3
64	An Online Impedance Analysis and Matching System for Ultrasonic Transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 591-599	3.2	3
63	Evaluation of Cracks in Metallic Material Using a Self-Organized Data-Driven Model of Acoustic Echo-Signal. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 95	2.6	3

62	Phase Change Materials Composite Based on Hybrid Aerogel with Anisotropic Microstructure. <i>Materials</i> , 2021 , 14,	3.5	3
61	Nonlinear acoustic-power measurement based on fundamental focal axial vibration velocity for high-intensity focused ultrasound. <i>Journal of Applied Physics</i> , 2018 , 124, 214905	2.5	3
60	Asymmetric Catalytic Epoxidation of Terminal Enones for the Synthesis of Triazole Antifungal Agents. <i>Organic Letters</i> , 2021 , 23, 6961-6966	6.2	3
59	Low-intensity pulsed ultrasound prevents prolonged hypoxia-induced cardiac fibrosis through HIF-1 β /DNMT3a pathway via a TRAAK-dependent manner. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021 , 48, 1500-1514	3	3
58	Improvement in the catalytic performance of a phenylpyruvate reductase from by site-directed and saturation mutagenesis based on the computer-aided design. <i>3 Biotech</i> , 2021 , 11, 69	2.8	3
57	Multi-relaxation-time lattice Boltzmann modeling of the acoustic field generated by focused transducer. <i>International Journal of Modern Physics C</i> , 2017 , 28, 1750038	1.1	2
56	Fractal Dimension Differentiation between Benign and Malignant Thyroid Nodules from Ultrasonography. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1494	2.6	2
55	Enhancement of the polymerase chain reaction by tungsten disulfide.. <i>RSC Advances</i> , 2019 , 9, 9373-9378	3.7	2
54	Controllable growth of graphene dendrite and application to electrochemical capacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4337-4343	2.1	2
53	A note on wind velocity and pressure spectra inside compact spherical porous microphone windscreens. <i>Journal of the Acoustical Society of America</i> , 2020 , 147, EL43	2.2	2
52	Non-invasive treatment efficacy evaluation for high-intensity focused ultrasound therapy using magnetically induced magnetoacoustic measurement. <i>Journal of Applied Physics</i> , 2018 , 123, 154901	2.5	2
51	Acoustic characterization of high intensity focused ultrasound field generated from a transmitter with large aperture 2017 ,		2
50	Frequency dependence of the acoustic field generated from a spherical cavity transducer with open ends. <i>AIP Advances</i> , 2015 , 5, 127218	1.5	2
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