

Dong Zhang

List of Publications by Year in descending order

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216
papers

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117453

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174990

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226
all docs

226
docs citations

226
times ranked

4628
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-Bessel Acoustic-Vortex Beams Constructed by the Line-Focused Phase Modulation for a Ring Array of Sectorial Planar Transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 377-385.	1.7	6
2	Separated Respiratory Phases for <i>In Vivo</i> Ultrasonic Thermal Strain Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1219-1229.	1.7	1
3	Gram-Scale Synthesis of (R)-P-Chlorophenyl-1,2-Ethanediol at High Concentration by a Pair of Epoxide Hydrolases. Frontiers in Bioengineering and Biotechnology, 2022, 10, 824300.	2.0	0
4	Enantioselective Biosynthesis of L-Phenyllactic Acid From Phenylpyruvic Acid In Vitro by L-Lactate Dehydrogenase Coupling With Glucose Dehydrogenase. Frontiers in Bioengineering and Biotechnology, 2022, 10, 846489.	2.0	2
5	Non-Invasive Local Acoustic Therapy Ameliorates Diabetic Heart Fibrosis by Suppressing ACE-Mediated Oxidative Stress and Inflammation in Cardiac Fibroblasts. Cardiovascular Drugs and Therapy, 2022, 36, 413-424.	1.3	5
6	Structure-Guided Regulation in the Enantioselectivity of an Epoxide Hydrolase to Produce Enantiomeric Monosubstituted Epoxides and Vicinal Diols via Kinetic Resolution. Organic Letters, 2022, 24, 1757-1761.	2.4	4
7	Robust Ruddlesden-Popper phase $\text{Sr}_{3-x}\text{Fe}_{1.3-x}\text{Mo}_{0.5-x}\text{Ni}_{0.2-x}\text{O}_{7-\delta}$ decorated with <i>in situ</i> exsolved Ni nanoparticles as an efficient anode for hydrocarbon fueled solid oxide fuel cells. SusMat, 2022, 2, 487-501.	7.8	18
8	Optimization of a random linear ultrasonic therapeutic array based on a genetic algorithm. Ultrasonics, 2022, 124, 106751.	2.1	2
9	New insight to experimental study on pore structure of different type reservoirs during alkaline-surfactant-polymer flooding. Energy Science and Engineering, 2022, 10, 2527-2539.	1.9	1
10	Acoustic Gaussian-Airy beams. Journal Physics D: Applied Physics, 2022, 55, 395109.	1.3	1
11	Thermal strain imaging in vivo using interpolated IQ-images. Ultrasonics, 2021, 110, 106292.	2.1	0
12	Nearly perfect kinetic resolution of racemic o-nitrostyrene oxide by AuEH2, a microsomal epoxide hydrolase from Aspergillus usamii, with high enantio- and regio-selectivity. International Journal of Biological Macromolecules, 2021, 169, 1-7.	3.6	1
13	Quantitative Evaluation of Rotator Cuff Tears Based on Non-linear Statistical Analysis of Ultrasound Radiofrequency Signals. Ultrasound in Medicine and Biology, 2021, 47, 582-589.	0.7	0
14	Spectrum Decomposition-Based Orbital Angular Momentum Communication of Acoustic Vortex Beams Using Single-Ring Transceiver Arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1399-1407.	1.7	9
15	Classification of benign and malignant breast masses using entropy from nonlinear ultrasound radiofrequency signal. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 084302.	0.2	2
16	A three-dimensional electrode fabricated by electrophoretic deposition of graphene on nickel foam for structural supercapacitors. New Journal of Chemistry, 2021, 45, 18567-18574.	1.4	3
17	Phase Change Materials Composite Based on Hybrid Aerogel with Anisotropic Microstructure. Materials, 2021, 14, 777.	1.3	9
18	Lamb wave coupled resonance for SAW acoustofluidics. Applied Physics Letters, 2021, 118, .	1.5	5

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19	Theory of acoustophoresis in counterpropagating surface acoustic wave fields for particle separation. <i>Physical Review E</i> , 2021, 103, 033104.	0.8	5
20	Fourier Acoustical Tweezers: Synthesizing Arbitrary Radiation Force Using Nonmonochromatic Waves on Discrete-Frequency Basis. <i>Physical Review Applied</i> , 2021, 15, .	1.5	6
21	Weak-focused acoustic vortex generated by a focused ring array of planar transducers and its application in large-scale rotational object manipulation*. <i>Chinese Physics B</i> , 2021, 30, 044302.	0.7	2
22	Structure-guided improvement in the enantioselectivity of an <i>Aspergillus usamii</i> epoxide hydrolase for the gram-scale kinetic resolution of ortho-trifluoromethyl styrene oxide. <i>Enzyme and Microbial Technology</i> , 2021, 146, 109778.	1.6	2
23	Latency prediction of earmuff using a lumped parameter model. <i>Applied Acoustics</i> , 2021, 176, 107870.	1.7	7
24	Laboratory Experimental Optimization of Gel Flooding Parameters to Enhance Oil Recovery during Field Applications. <i>ACS Omega</i> , 2021, 6, 14968-14976.	1.6	3
25	Asymmetric Catalytic Epoxidation of Terminal Enones for the Synthesis of Triazole Antifungal Agents. <i>Organic Letters</i> , 2021, 23, 6961-6966.	2.4	14
26	An Analytical Solution for Investigating the Characteristics of Tidal Wave and Surge Propagation Associated with Non-Tropical and Tropical Cyclones in the Humen Estuary, Pearl River. <i>Water (Switzerland)</i> , 2021, 13, 2375.	1.2	2
27	The influence of ultrasound-induced microbubble cavitation on the viability, migration and cell cycle distribution of melanoma cells. <i>Applied Acoustics</i> , 2021, 179, 108056.	1.7	7
28	Low-intensity pulsed ultrasound prevents prolonged hypoxia-induced cardiac fibrosis through HIF-1 α /DNMT3a pathway via a TRAAK-dependent manner. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 1500-1514.	0.9	14
29	Recursive algorithm for solving the axial acoustic radiation force exerted on rigid spheres at the focus of acoustic vortex beams. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	2
30	Facial Features of an Air Gun Array Wavelet in the Time-Frequency Domain Based on Marine Vertical Cables. <i>Journal of Ocean University of China</i> , 2021, 20, 1371-1382.	0.6	2
31	Low-intensity pulsed ultrasound prevents angiotensin II-induced aortic smooth muscle cell phenotypic switch via hampering miR-17-5p and enhancing PPAR- β . <i>European Journal of Pharmacology</i> , 2021, 911, 174509.	1.7	1
32	Improvement in the catalytic performance of a phenylpyruvate reductase from <i>Lactobacillus plantarum</i> by site-directed and saturation mutagenesis based on the computer-aided design. <i>3 Biotech</i> , 2021, 11, 69.	1.1	4
33	Directional off-axis acoustic-vortex beams passing through a preassigned point. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	2
34	Automatic identification of triple negative breast cancer in ultrasonography using a deep convolutional neural network. <i>Scientific Reports</i> , 2021, 11, 20474.	1.6	7
35	Cavitation-facilitated transmembrane permeability enhancement induced by acoustically vaporized nanodroplets. <i>Ultrasonics Sonochemistry</i> , 2021, 79, 105790.	3.8	14
36	Effect of esterification crosslinking on interfacial heat transfer between graphene and phase change material. <i>Composite Interfaces</i> , 2021, 28, 1121-1135.	1.3	3

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37	Low-intensity pulsed ultrasound ameliorates angiotensin II-induced cardiac fibrosis by alleviating inflammation via a caveolin-1-dependent pathway. <i>Journal of Zhejiang University: Science B</i> , 2021, 22, 818-838.	1.3	13
38	Auto-focusing acoustic-vortex tweezers for obstacle-circumventing manipulation. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	10
39	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.	2.2	35
40	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-EL381.	0.5	14
41	An intelligent platform for ultrasound diagnosis of thyroid nodules. <i>Scientific Reports</i> , 2020, 10, 13223.	1.6	14
42	Pr and Mo Co-doped SrFeO ₃ as an Efficient Cathode for Pure CO ₂ Reduction Reaction in a Solid Oxide Electrolysis Cell. <i>Energy Technology</i> , 2020, 8, 2000539.	1.8	7
43	Manipulating the regioselectivity of a Solanum lycopersicum epoxide hydrolase for the enantioconvergent synthesis of enantiopure alkane- and alkene-1,2-diols. <i>Catalysis Science and Technology</i> , 2020, 10, 5886-5895.	2.1	5
44	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, .	1.1	12
45	Enantioselective dicarbofunctionalization of (<i>E</i>)-alkenyloxindoles with pyridinium salts by chiral Lewis acid/photo relay catalysis. <i>Chemical Communications</i> , 2020, 56, 12757-12760.	2.2	6
46	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.	6.6	58
47	Research on a Ka-Band MEMS Power Sensor Investigated with an MEMS Cantilever Beam. <i>Chinese Journal of Electronics</i> , 2020, 29, 378-384.	0.7	1
48	Acoustic Characterization of Polydimethylsiloxane for Microscale Acoustofluidics. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
49	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.	1.6	7
50	Low-intensity pulsed ultrasound inhibits IL-1 β -induced inflammation of fibroblast-like synoviosytes via NF- κ B pathway. <i>Applied Acoustics</i> , 2020, 167, 107384.	1.7	1
51	A large areal capacitance structural supercapacitor with a 3D rGO@MnO ₂ foam electrode and polyacrylic acid-KOH electrolyte. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12586-12593.	5.2	43
52	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-EL49.	0.5	3
53	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, .	1.1	23
54	Study on the variation of rock pore structure after polymer gel flooding. <i>E-Polymers</i> , 2020, 20, 32-38.	1.3	7

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55	Second harmonic magnetoacoustic responses of magnetic nanoparticles in magnetoacoustic tomography with magnetic induction*. Chinese Physics B, 2020, 29, 034302.	0.7	9
56	Contact Nonlinear Acoustic Diode. Scientific Reports, 2020, 10, 2564.	1.6	7
57	A Novel Ptâ€TiO₂ Heterostructure with Oxygenâ€Deficient Layer as Bilaterally Enhanced Sonosensitizer for Synergistic Chemoâ€Sonodynamic Cancer Therapy. Advanced Functional Materials, 2020, 30, 1908598.	7.8	226
58	Mechanisms underlying sonoporation: Interaction between microbubbles and cells. Ultrasonics Sonochemistry, 2020, 67, 105096.	3.8	90
59	Pulling force of acoustic-vortex beams on centered elastic spheres based on the annular transducer model*. Chinese Physics B, 2020, 29, 054302.	0.7	5
60	Effects of active noise cancelling headphones on speech recognition. Applied Acoustics, 2020, 165, 107335.	1.7	15
61	Investigation on the effect of active-polymers with different functional groups for EOR. E-Polymers, 2020, 20, 61-68.	1.3	1
62	Simulation and verification of an air-gun array wavelet in time-frequency domain based on van der waals gas equation. Applied Geophysics, 2020, 17, 736-746.	0.1	4
63	Investigation on degradation mechanism of polymer blockages in unconsolidated sandstone reservoirs. E-Polymers, 2020, 20, 55-60.	1.3	4
64	Noninvasive Treatment-Efficacy Evaluation for HIFU Therapy Based on Magneto-Acousto-Electrical Tomography. IEEE Transactions on Biomedical Engineering, 2019, 66, 666-674.	2.5	16
65	Modelling of SAW-PDMS acoustofluidics: physical fields and particle motions influenced by different descriptions of the PDMS domain. Lab on A Chip, 2019, 19, 2728-2740.	3.1	39
66	Low-intensity pulsed ultrasound inhibits adipogenic differentiation via HDAC1 signalling in rat visceral preadipocytes. Adipocyte, 2019, 8, 292-303.	1.3	5
67	Prediction of suspicious thyroid nodule using artificial neural network based on radiofrequency ultrasound and conventional ultrasound: A preliminary study. Ultrasonics, 2019, 99, 105951.	2.1	18
68	<i>In vivo</i> evaluation of two-dimensional temperature variation in perirenal fat of pigs with B-mode ultrasound. Journal of Applied Physics, 2019, 126, .	1.1	6
69	Cell-cycle-dependences of membrane permeability and viability observed for HeLa cells undergoing multi-bubble-cell interactions. Ultrasonics Sonochemistry, 2019, 53, 178-186.	3.8	13
70	Recent developments in electrode materials for potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 4334-4352.	5.2	214
71	Enhanced eradication of Pseudomonas aeruginosa bio-films by using ultrasound combined with neutrophil and antibiotics. Applied Acoustics, 2019, 152, 101-109.	1.7	8
72	Lowâ€intensity pulsed ultrasound promotes apoptosis and inhibits angiogenesis via p38 signalingâ€mediated endoplasmic reticulum stress in human endothelial cells. Molecular Medicine Reports, 2019, 19, 4645-4654.	1.1	15

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73	Fractal Dimension Differentiation between Benign and Malignant Thyroid Nodules from Ultrasonography. Applied Sciences (Switzerland), 2019, 9, 1494.	1.3	3
74	Enhancement of the polymerase chain reaction by tungsten disulfide. RSC Advances, 2019, 9, 9373-9378.	1.7	5
75	Two-Dimensional Mapping Separating the Acoustic Radiation Force and Streaming in Microfluidics. Physical Review Applied, 2019, 11, .	1.5	11
76	Low-frequency anechoic metasurface based on coiled channel of gradient cross-section. Applied Physics Letters, 2019, 114, .	1.5	71
77	An Online Impedance Analysis and Matching System for Ultrasonic Transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 591-599.	1.7	12
78	Evaluation of Cracks in Metallic Material Using a Self-Organized Data-Driven Model of Acoustic Echo-Signal. Applied Sciences (Switzerland), 2019, 9, 95.	1.3	4
79	Electro-acupuncture attenuates the mice premature ovarian failure via mediating PI3K/AKT/mTOR pathway. Life Sciences, 2019, 217, 169-175.	2.0	35
80	Photo- and Sono-Dynamic Therapy: A Review of Mechanisms and Considerations for Pharmacological Agents Used in Therapy Incorporating Light and Sound. Current Pharmaceutical Design, 2019, 25, 401-412.	0.9	38
81	p38 MAPK signaling is a key mediator for low-intensity pulsed ultrasound (LIPUS) in cultured human omental adipose-derived mesenchymal stem cells. American Journal of Translational Research (discontinued), 2019, 11, 418-429.	0.0	5
82	Conductivity Anisotropy Influence on Acoustic Sources for Magnetoacoustic Tomography With Magnetic Induction. IEEE Transactions on Biomedical Engineering, 2018, 65, 2512-2518.	2.5	4
83	Near-field multiple traps of paraxial acoustic vortices with strengthened gradient force generated by sector transducer array. Journal of Applied Physics, 2018, 123, .	1.1	14
84	Non-invasive treatment efficacy evaluation for high-intensity focused ultrasound therapy using magnetically induced magnetoacoustic measurement. Journal of Applied Physics, 2018, 123, 154901.	1.1	4
85	Sonoporation-induced cell membrane permeabilization and cytoskeleton disassembly at varied acoustic and microbubble-cell parameters. Scientific Reports, 2018, 8, 3885.	1.6	81
86	Acoustic Characterization and Enhanced Ultrasound Imaging of Longâ€Circulating Lipidâ€Coated Microbubbles. Journal of Ultrasound in Medicine, 2018, 37, 1243-1256.	0.8	17
87	Random phase screen influence of the inhomogeneous tissue layer on the generation of acoustic vortices. Chinese Physics B, 2018, 27, 034301.	0.7	4
88	Nonlinear acoustic-power measurement based on fundamental focal axial vibration velocity for high-intensity focused ultrasound. Journal of Applied Physics, 2018, 124, 214905.	1.1	3
89	Regulation of multiple off-axis acoustic vortices with a centered quasi-plane wave. Journal of Applied Physics, 2018, 124, .	1.1	6
90	Enantioselective [2+2] Photocycloaddition Reactions of Enones and Olefins with Visible Light Mediated by $\text{N}(\text{Dioxido})\text{Metal Complexes}$. Chemistry - A European Journal, 2018, 24, 19361-19367.	1.7	38

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91	Investigation of a multi-element focused air-coupled transducer. <i>AIP Advances</i> , 2018, 8, .	0.6	8
92	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.	2.3	15
93	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.	0.7	13
94	Fourier and non-Fourier bio-heat transfer models to predict <i>ex vivo</i> temperature response to focused ultrasound heating. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	24
95	Acoustic radiation torque of an acoustic-vortex spanner exerted on axisymmetric objects. <i>Applied Physics Letters</i> , 2018, 112, 254101.	1.5	16
96	Overcoming the supercooling of hydrated salts: three-dimensional graphene composite PCMs. <i>Micro and Nano Letters</i> , 2018, 13, 849-852.	0.6	1
97	Asymmetric Synthesis of Tetrahydroindolizines by Bimetallic Relay Catalyzed Cycloaddition of Pyridinium Ylides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12323-12327.	7.2	87
98	The enhanced HIFU-induced thermal effect via magnetic ultrasound contrast agent microbubbles. <i>Ultrasonics Sonochemistry</i> , 2018, 49, 111-117.	3.8	13
99	Prediction of HIFU Propagation in a Dispersive Medium via Khokhlovâ€Zabolotskayaâ€Kuznetsov Model Combined with a Fractional Order Derivative. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 609.	1.3	10
100	Enantioselective Synthesis of 2,2,3-Trisubstituted Indolines via Bimetallic Relay Catalysis of Î±-Diazoketones with Enones. <i>Organic Letters</i> , 2018, 20, 4536-4539.	2.4	37
101	A facile template free synthesis of porous carbon nanospheres with high capacitive performance. <i>Science China Chemistry</i> , 2018, 61, 538-544.	4.2	14
102	<i>N,N</i> -Dioxide/Gd(OTf) ₃ Complex-Promoted Asymmetric Aldol Reaction of Silyl Ketene Imines with Isatins: Water Plays an Important Role. <i>Organic Letters</i> , 2018, 20, 5314-5318.	2.4	16
103	Asymmetric Synthesis of Tetrahydroindolizines by Bimetallic Relay Catalyzed Cycloaddition of Pyridinium Ylides. <i>Angewandte Chemie</i> , 2018, 130, 12503-12507.	1.6	25
104	Interaction between encapsulated microbubbles: A finite element modelling study. <i>Chinese Physics B</i> , 2018, 27, 084302.	0.7	7
105	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.	0.0	13
106	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.	0.8	5
107	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.	3.8	21
108	Effects of structural differences of graphene and the preparation strategies on the photocatalytic activity of grapheneâ€TiO ₂ composite film. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4965-4973.	1.1	4

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109	Uniform tissue lesion formation induced by high-intensity focused ultrasound along a spiral pathway. <i>Ultrasonics</i> , 2017, 77, 38-46.	2.1	8
110	Deep-level stereoscopic multiple traps of acoustic vortices. <i>Journal of Applied Physics</i> , 2017, 121, 164901.	1.1	20
111	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.	0.7	8
112	Reduced graphene oxide modified mesoporous FeNi alloy/carbon microspheres for enhanced broadband electromagnetic wave absorbers. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1786-1794.	3.2	56
113	Chiral N,N-dioxide/Co-promoted asymmetric 1,3-dipolar cycloaddition of nitrones with methyleneindolinones. <i>Chemical Communications</i> , 2017, 53, 7925-7928.	2.2	37
114	Interaction between cavitation microbubble and cell: A simulation of sonoporation using boundary element method (BEM). <i>Ultrasonics Sonochemistry</i> , 2017, 39, 863-871.	3.8	37
115	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, .	1.1	7
116	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.	1.3	15
117	Preventing microbial biofilms on catheter tubes using ultrasonic guided waves. <i>Scientific Reports</i> , 2017, 7, 616.	1.6	17
118	Quantitative assessment of acoustic pressure in one-dimensional acoustofluidic devices driven by standing surface acoustic waves. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	10
119	Enhanced ultrasonic focusing and temperature elevation via a therapeutic ultrasonic transducer with sub-wavelength periodic structure. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	6
120	Acoustic characterization of high intensity focused ultrasound field generated from a transmitter with large aperture. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
121	Accurate acoustic power measurement for low-intensity focused ultrasound using focal axial vibration velocity. <i>Journal of Applied Physics</i> , 2017, 122, 014901.	1.1	5
122	Impact of cavitation on lesion formation induced by high intensity focused ultrasound. <i>Chinese Physics B</i> , 2017, 26, 054301.	0.7	4
123	Ambient Pressure Evaluation Through Sub-Harmonic Response of Chirp-Sonicated Microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 332-340.	0.7	6
124	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.	1.6	5
125	Cell-cycle-specific Cellular Responses to Sonoporation. <i>Theranostics</i> , 2017, 7, 4894-4908.	4.6	41
126	Investigation into the Effect of Acoustic Radiation Force and Acoustic Streaming on Particle Patterning in Acoustic Standing Wave Fields. <i>Sensors</i> , 2017, 17, 1664.	2.1	28

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127	Transducer selection and application in magnetoacoustic tomography with magnetic induction. Journal of Applied Physics, 2016, 119, 094903.	1.1	10
128	Nonlinear response of ultrasound contrast agent microbubbles: From fundamentals to applications. Chinese Physics B, 2016, 25, 124308.	0.7	5
129	High thermoelectric performance of superionic argyrodite compound Ag ₈ SnSe ₆ . Journal of Materials Chemistry C, 2016, 4, 5806-5813.	2.7	77
130	Transcriptome comparison reveals a genetic network regulating the lower temperature limit in fish. Scientific Reports, 2016, 6, 28952.	1.6	66
131	Preparation and Thermal Properties of Graphene Oxide“Microencapsulated Phase Change Materials. Nanoscale and Microscale Thermophysical Engineering, 2016, 20, 147-157.	1.4	17
132	Effect of microbubble-enhanced ultrasound on percutaneous ethanol ablation of rat walker-256 tumour. European Radiology, 2016, 26, 3017-3025.	2.3	7
133	Microbubble oscillating in a microvessel filled with viscous fluid: A finite element modeling study. Ultrasonics, 2016, 66, 54-64.	2.1	31
134	Harmonic responses and cavitation activity of encapsulated microbubbles coupled with magnetic nanoparticles. Ultrasonics Sonochemistry, 2016, 29, 309-316.	3.8	36
135	Characterization of mechanical properties of hybrid contrast agents by combining atomic force microscopy with acoustic/optic assessments. Journal of Biomechanics, 2016, 49, 319-325.	0.9	11
136	Study of dielectric spectra of ldpe/zeolite nanoscale and micronscale composites. , 2015, , .		0
137	Frequency dependence of the acoustic field generated from a spherical cavity transducer with open ends. AIP Advances, 2015, 5, 127218.	0.6	2
138	Preparation and properties of BiFeO ₃ /LDPE nanocomposite. , 2015, , .		0
139	Construction of multifunctional films based on graphene“TiO ₂ composite materials for strain sensing and photodegradation. RSC Advances, 2015, 5, 104785-104791.	1.7	18
140	Overpressure Dependence of Sub-Harmonic Generation from Contrast Agent SonoVue Microbubbles. Acta Acustica United With Acustica, 2015, 101, 55-61.	0.8	1
141	Low intensity pulse ultrasound stimulate chondrocytes growth in a 3-D alginate scaffold through improved porosity and permeability. Ultrasonics, 2015, 58, 43-52.	2.1	11
142	Reception pattern influence on magnetoacoustic tomography with magnetic induction. Chinese Physics B, 2015, 24, 014302.	0.7	12
143	Global identification of the genetic networks and cis-regulatory elements of the cold response in zebrafish. Nucleic Acids Research, 2015, 43, 9198-9213.	6.5	38
144	Acoustic non-diffracting Airy beam. Journal of Applied Physics, 2015, 117, .	1.1	58

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145	Simultaneous synthesis of diverse graphene via electrochemical reduction of graphene oxide. Journal of Applied Electrochemistry, 2015, 45, 453-462.	1.5	18
146	Controllable growth of graphene dendrite and application to electrochemical capacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 4337-4343.	1.1	2
147	One-step synthesis of 5-ethyl-2-methylpyridine from NH ₄ HCO ₃ and C ₂ H ₅ OH under hydrothermal condition. Chemical Research in Chinese Universities, 2015, 31, 249-252.	1.3	0
148	Double-scattering/reflection in a Single Nanoparticle for Intensified Ultrasound Imaging. Scientific Reports, 2015, 5, 8766.	1.6	49
149	Acoustic source analysis of magnetoacoustic tomography with magnetic induction for conductivity gradual-varying tissues. IEEE Transactions on Biomedical Engineering, 2015, 63, 1-1.	2.5	16
150	Asymmetric [3 + 2] Cycloaddition of Methyleneindolinones with <i>N,N</i> -Cyclic Azomethine Imines Catalyzed by a <i>N,N</i> -Dioxide-Mg(OTf) ₂ Complex. Journal of Organic Chemistry, 2015, 80, 9691-9699.	1.7	53
151	Fine Physical and Genetic Mapping of Powdery Mildew Resistance Gene MlW172 Originating from Wild Emmer (<i>Triticum dicoccoides</i>). PLoS ONE, 2014, 9, e100160.	1.1	36
152	Microstreaming velocity field and shear stress created by an oscillating encapsulated microbubble near a cell membrane. Chinese Physics B, 2014, 23, 124302.	0.7	13
153	Molecular structure dependence of acoustic nonlinearity parameter <i>B/A</i> for silicone oils. Chinese Physics B, 2014, 23, 054302.	0.7	3
154	Investigation on the relationship between overpressure and sub-harmonic response from encapsulated microbubbles. Chinese Physics B, 2014, 23, 104302.	0.7	1
155	Acoustic focusing of sub-wavelength scale achieved by multiple Fabry-Perot resonance effect. Journal of Applied Physics, 2014, 115, .	1.1	9
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