Qifa Zhou

List of Publications by Year in descending order

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181 papers	6,834 citations	57758 44 h-index	71685 76 g-index
182 all docs	182 docs citations	182 times ranked	6722 citing authors

#	Article	IF	Citations
1	Estimating Thrombus Elasticity by Shear Wave Elastography to Evaluate Ultrasound Thrombolysis for Thrombus With Different Stiffness. IEEE Transactions on Biomedical Engineering, 2023, 70, 135-143.	4.2	4
2	Recent progress in 3D printing piezoelectric materials for biomedical applications. Journal Physics D: Applied Physics, 2022, 55, 013002.	2.8	15
3	Super-Resolution Ultrasound Localization Microscopy for Visualization of the Ocular Blood Flow. IEEE Transactions on Biomedical Engineering, 2022, 69, 1585-1594.	4.2	14
4	Focused ultrasound stimulation on meibomian glands for the treatment of evaporative dry eye. Experimental Biology and Medicine, 2022, 247, 519-526.	2.4	4
5	Photoacoustic imaging of 3D-printed vascular networks. Biofabrication, 2022, 14, 025001.	7.1	7
6	High resolution ultrasonic neural modulation observed via inÂvivo two-photon calcium imaging. Brain Stimulation, 2022, 15, 190-196.	1.6	13
7	Ultrasound-Guided Intravascular Sonothrombolysis With a Dual Mode Ultrasound Catheter: In Vitro Study. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1917-1925.	3.0	8
8	Manipulation and Mechanical Deformation of Leukemia Cells by High-Frequency Ultrasound Single Beam. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1889-1897.	3.0	5
9	Noninvasive Ultrasound Retinal Stimulation for Vision Restoration at High Spatiotemporal Resolution. BME Frontiers, 2022, 2022, .	4.5	17
10	Real-time whole-brain imaging of hemodynamics and oxygenation at micro-vessel resolution with ultrafast wide-field photoacoustic microscopy. Light: Science and Applications, 2022, 11, 138.	16.6	52
11	Development of Moderate Intensity Focused Ultrasound (MIFU) for Ocular Drug Delivery. BME Frontiers, 2022, 2022, .	4.5	1
12	High-Frequency Ultrasound Elastography to Assess the Nonlinear Elastic Properties of the Cornea and Ciliary Body. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2621-2629.	3.0	15
13	Highly Integrated Multiplexing and Buffering Electronics for Large Aperture Ultrasonic Arrays. BME Frontiers, 2022, 2022, .	4.5	4
14	Flexible ultrasound-induced retinal stimulating piezo-arrays for biomimetic visual prostheses. Nature Communications, 2022, 13, .	12.8	48
15	Ultrasonic elastography to assess biomechanical properties of the optic nerve head and peripapillary sclera of the eye. Ultrasonics, 2021, 110, 106263.	3.9	25
16	Photoacoustic and piezo-ultrasound hybrid-induced energy transfer for 3D twining wireless multifunctional implants. Energy and Environmental Science, 2021, 14, 1490-1505.	30.8	23
17	2-D Ultrasonic Array-Based Optical Coherence Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1096-1104.	3.0	11
18	3D Printing of Functional Magnetic Materials: From Design to Applications. Advanced Functional Materials, 2021, 31, 2102777.	14.9	91

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19	Deep image prior for undersampling high-speed photoacoustic microscopy. Photoacoustics, 2021, 22, 100266.	7.8	33
20	Advances in Endoscopic Photoacoustic Imaging. Photonics, 2021, 8, 281.	2.0	19
21	Layer-specific ultrasound elastography using a multi-layered shear wave dispersion model for assessing the viscoelastic properties. Physics in Medicine and Biology, 2021, 66, 035003.	3.0	2
22	Co-Integrated PIN-PMN-PT 2-D Array and Transceiver Electronics by Direct Assembly Using a 3-D Printed Interposer Grid Frame. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 387-401.	3.0	15
23	High Resolution ADC for Ultrasound Color Doppler Imaging Based on MASH Sigma-Delta Modulator. IEEE Transactions on Biomedical Engineering, 2020, 67, 1438-1449.	4.2	8
24	In vivo evaluation of posterior eye elasticity using shaker-based optical coherence elastography. Experimental Biology and Medicine, 2020, 245, 282-288.	2.4	17
25	Acoustic Energy Controlled Nanoparticle Aggregation for Nanotherapy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 735-744.	3.0	8
26	Ultrasound-induced wireless energy harvesting: From materials strategies to functional applications. Nano Energy, 2020, 77, 105131.	16.0	69
27	3D-Printing Piezoelectric Composite with Honeycomb Structure for Ultrasonic Devices. Micromachines, 2020, 11, 713.	2.9	48
28	Current Ultrasound Technologies and Instrumentation in the Assessment and Monitoring of COVID-19 Positive Patients. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2230-2240.	3.0	13
29	Stretchable Nanolayered Thermoelectric Energy Harvester on Complex and Dynamic Surfaces. Nano Letters, 2020, 20, 4445-4453.	9.1	106
30	In Vivo Visualization of Eye Vasculature Using Super-Resolution Ultrasound Microvessel Imaging. IEEE Transactions on Biomedical Engineering, 2020, 67, 2870-2880.	4.2	23
31	Visibility of Bioresorbable Vascular Scaffold in Intravascular Ultrasound Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1090-1101.	3.0	2
32	A combined ultrasonic B-mode and color Doppler system for the classification of breast masses using neural network. European Radiology, 2020, 30, 3023-3033.	4.5	18
33	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1848-1853.	3.0	37
34	From Light to Sound: Photoacoustic and Ultrasound Imaging in Fundamental Research of Alzheimerâ€™s Disease. , 2020, 4, 1-21.		10
35	High resolution optical coherence elastography of retina under prosthetic electrode. Quantitative Imaging in Medicine and Surgery, 2020, 11, 918-927.	2.0	46
36	Large Area 1.75D Array for Liver Cancer by Tiling of Multi-Generation ASIC Array Modules. , 2020, , .		3

#	Article	IF	Citations
37	High Frequency 1.75D array using a 3D printed pitch-changing interposer backing. , 2020, , .		1
38	Confocal Shear Wave Acoustic Radiation Force Optical Coherence Elastography for Imaging and Quantification of the In Vivo Posterior Eye. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	26
39	Ultrasonic Microelastography to Assess Biomechanical Properties of the Cornea. IEEE Transactions on Biomedical Engineering, 2019, 66, 647-655.	4.2	34
40	Dual-frequency piezoelectric micromachined ultrasonic transducers. Applied Physics Letters, 2019, 115, .	3.3	17
41	PMN-PT/Epoxy 1-3 composite based ultrasonic transducer for dual-modality photoacoustic and ultrasound endoscopy. Photoacoustics, 2019, 15, 100138.	7.8	32
42	Editorial for the Special Issue on MEMS Technology for Biomedical Imaging Applications. Micromachines, 2019, 10, 615.	2.9	1
43	Ultrafast ultrasound imaging in acoustic microbubble trapping. Applied Physics Letters, 2019, 115, .	3.3	14
44	Biomedical Applications: Ultrasoundâ€Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application (Adv. Funct. Mater. 33/2019). Advanced Functional Materials, 2019, 29, 1970231.	14.9	1
45	Optical Resolution Photoacoustic Microscopy of Ovary and Fallopian Tube. Scientific Reports, 2019, 9, 14306.	3.3	17
46	Ultrasoundâ€Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. Advanced Functional Materials, 2019, 29, 1902522.	14.9	56
47	Fabrication of a (K,Na)NbO3-based lead-free 1-3 piezocomposite for high-sensitivity ultrasonic transducers application. Journal of Applied Physics, 2019, 125, .	2.5	39
48	Helicalâ€Like 3D Ultrathin Piezoelectric Element for Complicated Ultrasonic Field. Advanced Functional Materials, 2019, 29, 1902912.	14.9	15
49	A Novel Racing Array Transducer for Noninvasive Ultrasonic Retinal Stimulation: A Simulation Study. Sensors, 2019, 19, 1825.	3.8	9
50	Fabrication and Characterization of a Miniaturized 15-MHz Side-Looking Phased-Array Transducer Catheter. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1079-1092.	3.0	14
51	Three-Dimensional Printed Piezoelectric Array for Improving Acoustic Field and Spatial Resolution in Medical Ultrasonic Imaging. Micromachines, 2019, 10, 170.	2.9	23
52	Electrically assisted 3D printing of nacre-inspired structures with self-sensing capability. Science Advances, 2019, 5, eaau9490.	10.3	214
53	Acoustic levitation and manipulation by a high-frequency focused ring ultrasonic transducer. Applied Physics Letters, 2019, 114, .	3.3	39
54	Tiled Large Element 1.75D Aperture with Dual Array Modules by Adjacent Integration of PIN-PMN-PT Transducers and Custom High Voltage Switching ASICs. , 2019, , .		7

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55	Design of dual-frequency piezoelectric micromachined ultrasonic transducers. , 2019, , .		1
56	Simultaneously imaging and quantifying in vivo mechanical properties of crystalline lens and cornea using optical coherence elastography with acoustic radiation force excitation. APL Photonics, 2019, 4, .	5.7	47
57	High-Speed Integrated Endoscopic Photoacoustic and Ultrasound Imaging System. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-5.	2.9	24
58	Flexible piezoelectric ultrasonic energy harvester array for bio-implantable wireless generator. Nano Energy, 2019, 56, 216-224.	16.0	105
59	Eco-Friendly Highly Sensitive Transducers Based on a New KNNâ€“NTKâ€“FM Lead-Free Piezoelectric Ceramic for High-Frequency Biomedical Ultrasonic Imaging Applications. IEEE Transactions on Biomedical Engineering, 2019, 66, 1580-1587.	4.2	51
60	Quantitative confocal optical coherence elastography for evaluating biomechanics of optic nerve head using Lamb wave model. Neurophotonics, 2019, 6, 1.	3.3	16
61	Superhydrophobicity: 3Dâ€Printed Biomimetic Superâ€Hydrophobic Structure for Microdroplet Manipulation and Oil/Water Separation (Adv. Mater. 9/2018). Advanced Materials, 2018, 30, 1870062.	21.0	12
62	Multilayered carbon nanotube yarn based optoacoustic transducer with high energy conversion efficiency for ultrasound application. Nano Energy, 2018, 46, 314-321.	16.0	58
63	3Dâ€Printed Biomimetic Superâ€Hydrophobic Structure for Microdroplet Manipulation and Oil/Water Separation. Advanced Materials, 2018, 30, 1704912.	21.0	312
64	Temporal Neuromodulation of Retinal Ganglion Cells by Low-Frequency Focused Ultrasound Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 969-976.	4.9	24
65	Stretchable ultrasonic transducer arrays for three-dimensional imaging on complex surfaces. Science Advances, 2018, 4, eaar3979.	10.3	204
66	Correcting the limited view in opticalâ€resolution photoacoustic microscopy. Journal of Biophotonics, 2018, 11, e201700196.	2.3	15
67	Modular Fabrication and Assembly of Large 2D Arrays with Interface Asics, Pin-Pmn-Pt Composite, and 3D Printed Backing. , 2018, , .		7
68	Concurrent photoacoustic and ultrasound microscopy with a coaxial dual-element ultrasonic transducer. Visual Computing for Industry, Biomedicine, and Art, 2018, 1, 3.	3.7	7
69	Multifocal point beam forming by a single ultrasonic transducer with 3D printed holograms. Applied Physics Letters, 2018, 113, .	3.3	19
70	High-Resolution Shear Wave Imaging of the Human Cornea Using a Dual-Element Transducer. Sensors, 2018, 18, 4244.	3.8	26
71	Novel Configurations of Ultrahigh Frequency (â‰600 MHz) Analog Frontend for High Resolution Ultrasound Measurement. Sensors, 2018, 18, 2598.	3.8	1
72	Ultrahigh Frequency Ultrasonic Transducers Design with Low Noise Amplifier Integrated Circuit. Micromachines, 2018, 9, 515.	2.9	10

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73	Fabrication and Characterization of High-Frequency Ultrasound Transducers Based on Lead-Free BNT-BT Tape-Casting Thick Film. Sensors, 2018, 18, 3166.	3.8	9
74	Recent Progress in Biomimetic Additive Manufacturing Technology: From Materials to Functional Structures. Advanced Materials, 2018, 30, e1706539.	21.0	325
75	Quantified elasticity mapping of retinal layers using synchronized acoustic radiation force optical coherence elastography. Biomedical Optics Express, 2018, 9, 4054.	2.9	39
76	Monitoring of the central blood pressure waveform via a conformal ultrasonic device. Nature Biomedical Engineering, 2018, 2, 687-695.	22.5	520
77	High-speed widefield photoacoustic microscopy of small-animal hemodynamics. Biomedical Optics Express, 2018, 9, 4689.	2.9	85
78	CMOS High-Voltage Analog 1â€“64 Multiplexer/Demultiplexer for Integrated Ultrasound Guided Breast Needle Biopsy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1334-1345.	3.0	9
79	Development of an intravascular ultrasound elastography based on a dual-element transducer. Royal Society Open Science, 2018, 5, 180138.	2.4	23
80	Quantitative Assessment of Thin-Layer Tissue Viscoelastic Properties Using Ultrasonic Micro-Elastography With Lamb Wave Model. IEEE Transactions on Medical Imaging, 2018, 37, 1887-1898.	8.9	44
81	AlN piezoelectric thin films for energy harvesting and acoustic devices. Nano Energy, 2018, 51, 146-161.	16.0	149
82	Quad-mode functional and molecular photoacoustic microscopy. Scientific Reports, 2018, 8, 11123.	3.3	38
83	High Frequency Needle Ultrasonic Transducers Based on Lead-Free Co Doped Na0.5Bi4.5Ti4O15 Piezo-Ceramics. Micromachines, 2018, 9, 291.	2.9	18
84	Forward-looking 30-MHz phased-array transducer for peripheral intravascular imaging. Sensors and Actuators A: Physical, 2018, 280, 145-163.	4.1	24
85	In Vivo Elasticity Mapping of Posterior Ocular Layers Using Acoustic Radiation Force Optical Coherence Elastography. , 2018, 59, 455.		50
86	Feasibility of co-registered ultrasound and acoustic-resolution photoacoustic imaging of human colorectal cancer. Biomedical Optics Express, 2018, 9, 5159.	2.9	53
87	Biomimetic Anisotropic Reinforcement Architectures by Electrically Assisted Nanocomposite 3D Printing. Advanced Materials, 2017, 29, 1605750.	21.0	212
88	High-Frequency Ultrasonic Imaging with Lead-free (Na,K)(Nb,Ta)O₃ Single Crystal. Ultrasonic Imaging, 2017, 39, 348-356.	2.6	17
89	Biomimetics: Biomimetic Anisotropic Reinforcement Architectures by Electrically Assisted Nanocomposite 3D Printing (Adv. Mater. 11/2017). Advanced Materials, 2017, 29, .	21.0	2
90	Self-Focused AlScN Film Ultrasound Transducer for Individual Cell Manipulation. ACS Sensors, 2017, 2, 172-177.	7.8	54

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91	Ultrahigh frequency ZnO silicon lens ultrasonic transducer for cell-size microparticle manipulation. Journal of Alloys and Compounds, 2017, 729, 556-562.	5.5	23
92	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. Nature Communications, 2017, 8, 1386.	12.8	104
93	Multi-functional Ultrasonic Micro-elastography Imaging System. Scientific Reports, 2017, 7, 1230.	3.3	40
94	An adjustable multiâ€scale single beam acoustic tweezers based on ultrahigh frequency ultrasonic transducer. Biotechnology and Bioengineering, 2017, 114, 2637-2647.	3.3	23
95	Notice of Removal: Multi-focused acoustic holograms by 3D printing. , 2017, , .		0
96	High frequency single crystal ultrasonic transducers up to 100 MHz for high resolution ophthalmic imaging applications. , 2017, , .		2
97	Notice of Removal: Retina stimulation on rat in vivo with low-frequency ultrasound. , 2017, , .		0
98	KNN-based single crystal high frequency transducer for intravascular photoacoustic imaging. , 2017, , .		0
99	High frequency single crystal ultrasonic transducers up to 100 MHz for high resolution ophthalmic imaging applications. , 2017, , .		3
100	Fully integrated optical coherence tomography, ultrasound, and indocyanine green-based fluorescence tri-modality system for intravascular imaging. Biomedical Optics Express, 2017, 8, 1036.	2.9	46
101	Correlation of IOP with Corneal Acoustic Impedance in Porcine Eye Model. BioMed Research International, 2017, 2017, 1-6.	1.9	2
102	PIN-PMN-PT single crystal composite and 3D printed interposer backing for ASIC integration of large aperture 2D array. , 2017, , .		2
103	Piezoelectric array for transducer application using additive manufacturing. , 2017, , .		1
104	Notice of Removal: Intravascular Ultrasound (IVUS) imaging reaching 100 MHz. , 2017, , .		1
105	Notice of Removal: 3D printing of piezoelectric transducer/array for ultrasonic imaging. , 2017, , .		0
106	Notice of Removal: Assessment of corneal biomechanical properties using the ultrasonic micro-elastography. , 2017, , .		0
107	Notice of Removal: Quantitative assessment of plate-like tissue viscoelastic properties using ultrasonic micro-elsatography with lamb wave model. , 2017, , .		0
108	Photoacoustic thermal flowmetry with a single light source. Journal of Biomedical Optics, 2017, 22, 1.	2.6	12

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109	Photoacoustic imaging features of intraocular tumors: Retinoblastoma and uveal melanoma. PLoS ONE, 2017, 12, e0170752.	2.5	18
110	Multiparametric photoacoustic microscopy of the mouse brain with 300-kHz A-line rate. Neurophotonics, 2016, 3, 045006.	3.3	52
111	Ultrasonic transducer-guided electrochemical impedance spectroscopy to assess lipid-laden plaques. Sensors and Actuators B: Chemical, 2016, 235, 154-161.	7.8	11
112	Characterizing intestinal inflammation and fibrosis in Crohnâ€™s disease by photoacoustic imaging: feasibility study. Biomedical Optics Express, 2016, 7, 2837.	2.9	39
113	Multifunctional single beam acoustic tweezer for non-invasive cell/organism manipulation and tissue imaging. Scientific Reports, 2016, 6, 37554.	3.3	58
114	In Vivo Near Infrared Virtual Intraoperative Surgical Photoacoustic Optical Coherence Tomography. Scientific Reports, 2016, 6, 35176.	3.3	51
115	Ultrasound-aided Multi-parametric Photoacoustic Microscopy of the Mouse Brain. Scientific Reports, 2016, 5, 18775.	3.3	78
116	3D mapping of elastic modulus using shear wave optical micro-elastography. Scientific Reports, 2016, 6, 35499.	3.3	41
117	Micro-particle manipulation by single beam acoustic tweezers based on hydrothermal PZT thick film. AIP Advances, 2016, 6, 035102.	1.3	28
118	Two-Point Stretchable Electrode Array for Endoluminal Electrochemical Impedance Spectroscopy Measurements of Lipid-Laden Atherosclerotic Plaques. Annals of Biomedical Engineering, 2016, 44, 2695-2706.	2.5	13
119	Acoustic Radiation Force Optical Coherence Elastography of Corneal Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 288-294.	2.9	58
120	Three dimensional printing of high dielectric capacitor using projection based stereolithography method. Nano Energy, 2016, 22, 414-421.	16.0	138
121	A Novel Ultrasound Technique for Non-Invasive Assessment of Cell Differentiation. IEEE Sensors Journal, 2016, 16, 61-68.	4.7	7
122	High-speed intravascular photoacoustic imaging at 17 Î¼m with a KTP-based OPO. Biomedical Optics Express, 2015, 6, 4557.	2.9	41
123	High speed intravascular photoacoustic imaging with fast optical parametric oscillator laser at 1.7â€‰Î¼m. Applied Physics Letters, 2015, 107, 083701.	3.3	57
124	Design of matching layers for high-frequency ultrasonic transducers. Applied Physics Letters, 2015, 107, 123505.	3.3	47
125	(100)-Textured KNN-based thick film with enhanced piezoelectric property for intravascular ultrasound imaging. Applied Physics Letters, 2015, 106, 173504.	3.3	47
126	A sidelobe suppressing near-field beamforming approach for ultrasound array imaging. Journal of the Acoustical Society of America, 2015, 137, 2785-2790.	1.1	24

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127	Non-contact acoustic radiation force impulse microscopy via photoacoustic detection for probing breast cancer cell mechanics. Biomedical Optics Express, 2015, 6, 11.	2.9	9
128	Optical-resolution photoacoustic endomicroscopy in vivo. Biomedical Optics Express, 2015, 6, 918.	2.9	73
129	Real-time Near-infrared Virtual Intraoperative Surgical Photoacoustic Microscopy. Photoacoustics, 2015, 3, 100-106.	7.8	21
130	Three-Dimensional Photoacoustic Endoscopic Imaging of the Rabbit Esophagus. PLoS ONE, 2015, 10, e0120269.	2.5	43
131	High-resolution harmonic motion imaging (HR-HMI) for tissue biomechanical property characterization. Quantitative Imaging in Medicine and Surgery, 2015, 5, 108-17.	2.0	8
132	Dual frequency transducers for intravascular ultrasound super-harmonic imaging and acoustic angiography. , 2014, , .		12
133	Fabrication and characteristics of inversion layer LiNbO<inf>3</inf> for high frequency ultrasound transducers. , 2014, , .		0
134	A configurable dual-frequency transmit/receive system for acoustic angiography imaging. , 2014, , .		5
135	Confocal acoustic radiation force optical coherence elastography using a ring ultrasonic transducer. Applied Physics Letters, 2014, 104, 123702.	3.3	39
136	A feasibility study of in vivo applications of single beam acoustic tweezers. Applied Physics Letters, 2014, 105, 173701.	3.3	41
137	Spectroscopic intravascular photoacoustic imaging of lipids in atherosclerosis. Journal of Biomedical Optics, 2014, 19, 026006.	2.6	63
138	Systematic study of high-frequency ultrasonic transducer design for laser-scanning photoacoustic ophthalmoscopy. Journal of Biomedical Optics, 2014, 19, 016015.	2.6	20
139	Catheter-based photoacoustic endoscope. Journal of Biomedical Optics, 2014, 19, 1.	2.6	52
140	Integrated IVUS-OCT Imaging for Atherosclerotic Plaque Characterization. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 196-203.	2.9	53
141	Urogenital photoacoustic endoscope. Optics Letters, 2014, 39, 1473.	3.3	38
142	Piezoelectric single crystal ultrasonic transducers for biomedical applications. Progress in Materials Science, 2014, 66, 87-111.	32.8	299
143	High-speed Intravascular Photoacoustic Imaging of Lipid-laden Atherosclerotic Plaque Enabled by a 2-kHz Barium Nitrite Raman Laser. Scientific Reports, 2014, 4, 6889.	3.3	107
144	Optoacoustic elastography for tissue biomechanical property characterization using a ring transducer. , 2013, , .		0

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145	Distribution and deposition of organic fouling on the microfiltration membrane evaluated by high-frequency ultrasound. Journal of Membrane Science, 2013, 433, 100-111.	8.2	12
146	Zebrafish egg manipulation using ultrasound microbeam. , 2013, , .		1
147	High-Resolution Acoustic-Radiation-Force-Impulse Imaging for Assessing Corneal Sclerosis. IEEE Transactions on Medical Imaging, 2013, 32, 1316-1324.	8.9	47
148	Real-time co-registered IVUS-OCT catheter for atherosclerotic plaque identification. , 2013, , .		2
149	Sonothrombolysis of Ear Marginal Vein of Rabbits Monitored with High-frequency Ultrasound Needle Transducer. Journal of Medical and Biological Engineering, 2013, 33, 103-110.	1.8	4
150	Reflection-mode submicron-resolution in vivo photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 020501.	2.6	102
151	A flexible annular array imaging platform for micro-ultrasound. , 2012, , .		0
152	Ultrahigh frequency ultrasound microbeam for biomedical applications. , 2012, , .		1
153	An open system for intravascular ultrasound imaging. , 2012, , .		4
154	Dual-frequency acoustic cavitation for noninvasively breaking down a cataractous lens. , 2012, , .		0
155	Integrated IVUS-OCT catheter for in vivo intravascular imaging. , 2012, , .		1
156	Phase-resolved acoustic radiation force optical coherence elastography. Journal of Biomedical Optics, 2012, 17, 110505.	2.6	87
157	High frequency, high frame rate pulse inversion chirp coded tissue harmonic imaging. , 2011, , .		1
158	Novel limiter using biploar power transistors for high frequency ultrasonic transducer applications. , 2011, , .		4
159	Vibration energy harvesting using piezoelectric circular diaphragm array. , 2011, , .		4
160	Enhanced Structures and Electrical Properties of Leadâ€Free K_{0.5}Na_{0.5}NbO₃â€“Bi_{0.5}Na_{0.5}TiO₃3.8 0â€“3 Composite FerroelectricThick Films. Journal of the American Ceramic Society, 2011, 94, 3425-3430.		8
161	Piezoelectric films for high frequency ultrasonic transducers in biomedical applications. Progress in Materials Science, 2011, 56, 139-174.	32.8	275
162	80 MHz Intravascular Ultrasound (IVUS) transducer. , 2011, , .		1

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163	Intravascular ultrasound chirp imaging. , 2011, , .		0
164	High Frequency PMN-PT 1-3 Composite Transducer for Ultrasonic Imaging Application. Ferroelectrics, 2010, 408, 120-128.	0.6	51
165	High-resolution co-registered intravascular imaging with integrated high frequency ultrasound and OCT probe. , 2010, , .		0
166	Development of integrated preamplifier for high frequency ultrasonic transducer. , 2010, , .		5
167	High frequency ultrasonic transducer with KNN/BNT 0–3 composite active element. , 2010, , .		4
168	Micro-machined high-frequency (80 MHz) PZT thick film linear arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2213-2220.	3.0	21
169	A 40 MHz high frequency ultrasound embedded epidural needle for assisting epidural access in pig study. , 2010, , .		0
170	Endoscopic ultrasound radial arrays fabricated with high-performance piezocrystal and piezocomposite. , 2010, , .		6
171	Single microparticle manipulation by an ultrasound microbeam. , 2010, , .		6
172	Compensation of the transducer response for high frequency coded excitation imaging. , 2009, , .		1
173	Alumina/epoxy nanocomposite matching layers for high-frequency ultrasound transducer application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 213-219.	3.0	52
174	In situ measurements of attenuation coefficient for evaluating the hardness of cataract lens by a high frequency ultrasonic needle transducer. , 2009, , .		0
175	Novel biomedical imaging that combines intravascular ultrasound (IVUS) and optical coherence tomography (OCT). , 2008, , .		1
176	Ultrasonic Doppler measurements of blood flow velocity of rabbit retinal vessels with high-frequency angled needle transducer. , 2008, , .		0
177	PMN-PT single crystal, high-frequency ultrasonic needle transducers for pulsed-wave Doppler application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 668-675.	3.0	141
178	Determining the Acoustic Properties of the Lens Using A High-Frequency Ultrasonic Needle Transducer. Ultrasound in Medicine and Biology, 2007, 33, 1971-1977.	1.5	37
179	Fabrication and modeling of broadband ultrasonic transducers using partial composites. , 0, , .		1
180	Fabrication of MEMS ZnO dome-shaped-diaphragm transducers for high frequency ultrasonic imaging. , 0, , .		0

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181	PMN-PT high frequency ultrasonic needle transducers for pulsed wave Doppler in the eye. , 0, , .		1