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	Monitoring of the central blood pressure waveform via a conformal ultrasonic device. Nature Biomedical Engineering, 2018, 2, 687-695.	22.5	520
2	Recent Progress in Biomimetic Additive Manufacturing Technology: From Materials to Functional Structures. Advanced Materials, 2018, 30, e1706539.	21.0	325
3	3Dâ€Printed Biomimetic Superâ€Hydrophobic Structure for Microdroplet Manipulation and Oil/Water Separation. Advanced Materials, 2018, 30, 1704912.	21.0	312
4	Piezoelectric single crystal ultrasonic transducers for biomedical applications. Progress in Materials Science, 2014, 66, 87-111.	32.8	299
5	Piezoelectric films for high frequency ultrasonic transducers in biomedical applications. Progress in Materials Science, 2011, 56, 139-174.	32.8	275
6	Electrically assisted 3D printing of nacre-inspired structures with self-sensing capability. Science Advances, 2019, 5, eaau9490.	10.3	214
7	Biomimetic Anisotropic Reinforcement Architectures by Electrically Assisted Nanocomposite 3D Printing. Advanced Materials, 2017, 29, 1605750.	21.0	212
8	Stretchable ultrasonic transducer arrays for three-dimensional imaging on complex surfaces. Science Advances, 2018, 4, eaar3979.	10.3	204
9	AlN piezoelectric thin films for energy harvesting and acoustic devices. Nano Energy, 2018, 51, 146-161.	16.0	149
10	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
11	Three dimensional printing of high dielectric capacitor using projection based stereolithography method. Nano Energy, 2016, 22, 414-421.	16.0	138
12	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
13	Stretchable Nanolayered Thermoelectric Energy Harvester on Complex and Dynamic Surfaces. Nano Letters, 2020, 20, 4445-4453.	9.1	106
14	Flexible piezoelectric ultrasonic energy harvester array for bio-implantable wireless generator. Nano Energy, 2019, 56, 216-224.	16.0	105
15	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. Nature Communications, 2017, 8, 1386.	12.8	104
16	Reflection-mode submicron-resolution in vivo photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 020501.	2.6	102
17	3D Printing of Functional Magnetic Materials: From Design to Applications. Advanced Functional Materials, 2021, 31, 2102777.	14.9	91
18	Phase-resolved acoustic radiation force optical coherence elastography. Journal of Biomedical Optics, 2012, 17, 110505.	2.6	87

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19	High-speed widefield photoacoustic microscopy of small-animal hemodynamics. Biomedical Optics Express, 2018, 9, 4689.	2.9	85
20	Ultrasound-aided Multi-parametric Photoacoustic Microscopy of the Mouse Brain. Scientific Reports, 2016, 5, 18775.	3.3	78
21	Optical-resolution photoacoustic endomicroscopy in vivo. Biomedical Optics Express, 2015, 6, 918.	2.9	73
22	Ultrasound-induced wireless energy harvesting: From materials strategies to functional applications. Nano Energy, 2020, 77, 105131.	16.0	69
23	Spectroscopic intravascular photoacoustic imaging of lipids in atherosclerosis. Journal of Biomedical Optics, 2014, 19, 026006.	2.6	63
24	Multifunctional single beam acoustic tweezer for non-invasive cell/organism manipulation and tissue imaging. Scientific Reports, 2016, 6, 37554.	3.3	58
25	Acoustic Radiation Force Optical Coherence Elastography of Corneal Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 288-294.	2.9	58
26	Multilayered carbon nanotube yarn based optoacoustic transducer with high energy conversion efficiency for ultrasound application. Nano Energy, 2018, 46, 314-321.	16.0	58
27	High speed intravascular photoacoustic imaging with fast optical parametric oscillator laser at 1.7â€‰Î¼m. Applied Physics Letters, 2015, 107, 083701.	3.3	57
28	Ultrasoundâ€induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. Advanced Functional Materials, 2019, 29, 1902522.	14.9	56
29	Self-Focused AlScN Film Ultrasound Transducer for Individual Cell Manipulation. ACS Sensors, 2017, 2, 172-177.	7.8	54
30	Integrated IVUS-OCT Imaging for Atherosclerotic Plaque Characterization. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 196-203.	2.9	53
31	Feasibility of co-registered ultrasound and acoustic-resolution photoacoustic imaging of human colorectal cancer. Biomedical Optics Express, 2018, 9, 5159.	2.9	53
32	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
33	Catheter-based photoacoustic endoscope. Journal of Biomedical Optics, 2014, 19, 1.	2.6	52
34	Multiparametric photoacoustic microscopy of the mouse brain with 300-kHz A-line rate. Neurophotonics, 2016, 3, 045006.	3.3	52
35	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
36	High Frequency PMN-PT 1-3 Composite Transducer for Ultrasonic Imaging Application. Ferroelectrics, 2010, 408, 120-128.	0.6	51

#	Article	IF	Citations
37	In Vivo Near Infrared Virtual Intraoperative Surgical Photoacoustic Optical Coherence Tomography. Scientific Reports, 2016, 6, 35176.	3.3	51
38	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
39	In Vivo Elasticity Mapping of Posterior Ocular Layers Using Acoustic Radiation Force Optical Coherence Elastography. , 2018, 59, 455.		50
40	3D-Printing Piezoelectric Composite with Honeycomb Structure for Ultrasonic Devices. Micromachines, 2020, 11, 713.	2.9	48
41	Flexible ultrasound-induced retinal stimulating piezo-arrays for biomimetic visual prostheses. Nature Communications, 2022, 13, .	12.8	48
42	High-Resolution Acoustic-Radiation-Force-Impulse Imaging for Assessing Corneal Sclerosis. IEEE Transactions on Medical Imaging, 2013, 32, 1316-1324.	8.9	47
43	Design of matching layers for high-frequency ultrasonic transducers. Applied Physics Letters, 2015, 107, 123505.	3.3	47
44	(100)-Textured KNN-based thick film with enhanced piezoelectric property for intravascular ultrasound imaging. Applied Physics Letters, 2015, 106, 173504.	3.3	47
45	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
46	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
47	High resolution optical coherence elastography of retina under prosthetic electrode. Quantitative Imaging in Medicine and Surgery, 2020, 11, 918-927.	2.0	46
48	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
49	Three-Dimensional Photoacoustic Endoscopic Imaging of the Rabbit Esophagus. PLoS ONE, 2015, 10, e0120269.	2.5	43
50	A feasibility study of in vivo applications of single beam acoustic tweezers. Applied Physics Letters, 2014, 105, 173701.	3.3	41
51	High-speed intravascular photoacoustic imaging at 17 Î¼m with a KTP-based OPO. Biomedical Optics Express, 2015, 6, 4557.	2.9	41
52	3D mapping of elastic modulus using shear wave optical micro-elastography. Scientific Reports, 2016, 6, 35499.	3.3	41
53	Multi-functional Ultrasonic Micro-elastography Imaging System. Scientific Reports, 2017, 7, 1230.	3.3	40
54	Confocal acoustic radiation force optical coherence elastography using a ring ultrasonic transducer. Applied Physics Letters, 2014, 104, 123702.	3.3	39

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55	Characterizing intestinal inflammation and fibrosis in Crohnâ€™s disease by photoacoustic imaging: feasibility study. Biomedical Optics Express, 2016, 7, 2837.	2.9	39
56	Quantified elasticity mapping of retinal layers using synchronized acoustic radiation force optical coherence elastography. Biomedical Optics Express, 2018, 9, 4054.	2.9	39
57	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
58	Acoustic levitation and manipulation by a high-frequency focused ring ultrasonic transducer. Applied Physics Letters, 2019, 114, .	3.3	39
59	Urogenital photoacoustic endoscope. Optics Letters, 2014, 39, 1473.	3.3	38
60	Quad-mode functional and molecular photoacoustic microscopy. Scientific Reports, 2018, 8, 11123.	3.3	38
61	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
62	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1848-1853.	3.0	37
63	Ultrasonic Microelastography to Assess Biomechanical Properties of the Cornea. IEEE Transactions on Biomedical Engineering, 2019, 66, 647-655.	4.2	34
64	Deep image prior for undersampling high-speed photoacoustic microscopy. Photoacoustics, 2021, 22, 100266.	7.8	33
65	PMN-PT/Epoxy 1-3 composite based ultrasonic transducer for dual-modality photoacoustic and ultrasound endoscopy. Photoacoustics, 2019, 15, 100138.	7.8	32
66	Micro-particle manipulation by single beam acoustic tweezers based on hydrothermal PZT thick film. AIP Advances, 2016, 6, 035102.	1.3	28
67	High-Resolution Shear Wave Imaging of the Human Cornea Using a Dual-Element Transducer. Sensors, 2018, 18, 4244.	3.8	26
68	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
69	Ultrasonic elastography to assess biomechanical properties of the optic nerve head and peripapillary sclera of the eye. Ultrasonics, 2021, 110, 106263.	3.9	25
70	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
71	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
72	Forward-looking 30-MHz phased-array transducer for peripheral intravascular imaging. Sensors and Actuators A: Physical, 2018, 280, 145-163.	4.1	24

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73	High-Speed Integrated Endoscopic Photoacoustic and Ultrasound Imaging System. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-5.	2.9	24
74	Ultrahigh frequency ZnO silicon lens ultrasonic transducer for cell-size microparticle manipulation. Journal of Alloys and Compounds, 2017, 729, 556-562.	5.5	23
75	An adjustable multiâ€scale single beam acoustic tweezers based on ultrahigh frequency ultrasonic transducer. Biotechnology and Bioengineering, 2017, 114, 2637-2647.	3.3	23
76	Development of an intravascular ultrasound elastography based on a dual-element transducer. Royal Society Open Science, 2018, 5, 180138.	2.4	23
77	Three-Dimensional Printed Piezoelectric Array for Improving Acoustic Field and Spatial Resolution in Medical Ultrasonic Imaging. Micromachines, 2019, 10, 170.	2.9	23
78	In Vivo Visualization of Eye Vasculature Using Super-Resolution Ultrasound Microvessel Imaging. IEEE Transactions on Biomedical Engineering, 2020, 67, 2870-2880.	4.2	23
79	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
80	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
81	Real-time Near-infrared Virtual Intraoperative Surgical Photoacoustic Microscopy. Photoacoustics, 2015, 3, 100-106.	7.8	21
82	Systematic study of high-frequency ultrasonic transducer design for laser-scanning photoacoustic ophthalmoscopy. Journal of Biomedical Optics, 2014, 19, 016015.	2.6	20
83	Multifocal point beam forming by a single ultrasonic transducer with 3D printed holograms. Applied Physics Letters, 2018, 113, .	3.3	19
84	Advances in Endoscopic Photoacoustic Imaging. Photonics, 2021, 8, 281.	2.0	19
85	High Frequency Needle Ultrasonic Transducers Based on Lead-Free Co Doped Na0.5Bi4.5Ti4O15 Piezo-Ceramics. Micromachines, 2018, 9, 291.	2.9	18
86	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
87	Photoacoustic imaging features of intraocular tumors: Retinoblastoma and uveal melanoma. PLoS ONE, 2017, 12, e0170752.	2.5	18
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	Dual-frequency piezoelectric micromachined ultrasonic transducers. Applied Physics Letters, 2019, 115, .	3.3	17
90	Optical Resolution Photoacoustic Microscopy of Ovary and Fallopian Tube. Scientific Reports, 2019, 9, 14306.	3.3	17

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91	In vivo evaluation of posterior eye elasticity using shaker-based optical coherence elastography. Experimental Biology and Medicine, 2020, 245, 282-288.	2.4	17
92	Noninvasive Ultrasound Retinal Stimulation for Vision Restoration at High Spatiotemporal Resolution. BME Frontiers, 2022, 2022, .	4.5	17
93	Quantitative confocal optical coherence elastography for evaluating biomechanics of optic nerve head using Lamb wave model. Neurophotonics, 2019, 6, 1.	3.3	16
94	Correcting the limited view in opticalâ€resolution photoacoustic microscopy. Journal of Biophotonics, 2018, 11, e201700196.	2.3	15
95	Helicalâ€Like 3D Ultrathin Piezoelectric Element for Complicated Ultrasonic Field. Advanced Functional Materials, 2019, 29, 1902912.	14.9	15
96	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
97	Recent progress in 3D printing piezoelectric materials for biomedical applications. Journal Physics D: Applied Physics, 2022, 55, 013002.	2.8	15
98	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
99	Ultrafast ultrasound imaging in acoustic microbubble trapping. Applied Physics Letters, 2019, 115, .	3.3	14
100	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
101	Super-Resolution Ultrasound Localization Microscopy for Visualization of the Ocular Blood Flow. IEEE Transactions on Biomedical Engineering, 2022, 69, 1585-1594.	4.2	14
102	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
103	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
104	High resolution ultrasonic neural modulation observed via inÂvivo two-photon calcium imaging. Brain Stimulation, 2022, 15, 190-196.	1.6	13
105	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
106	Dual frequency transducers for intravascular ultrasound super-harmonic imaging and acoustic angiography. , 2014, , .		12
107	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
108	Photoacoustic thermal flowmetry with a single light source. Journal of Biomedical Optics, 2017, 22, 1.	2.6	12

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109	Ultrasonic transducer-guided electrochemical impedance spectroscopy to assess lipid-laden plaques. Sensors and Actuators B: Chemical, 2016, 235, 154-161.	7.8	11
110	2-D Ultrasonic Array-Based Optical Coherence Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1096-1104.	3.0	11
111	Ultrahigh Frequency Ultrasonic Transducers Design with Low Noise Amplifier Integrated Circuit. Micromachines, 2018, 9, 515.	2.9	10
112	From Light to Sound: Photoacoustic and Ultrasound Imaging in Fundamental Research of Alzheimerâ€™s Disease. , 2020, 4, 1-21.		10
113	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
114	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
115	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
116	A Novel Racing Array Transducer for Noninvasive Ultrasonic Retinal Stimulation: A Simulation Study. Sensors, 2019, 19, 1825.	3.8	9
117	Enhanced Structures and Electrical Properties of Leadâ€Free K_{0.5}Na_{0.5}NbO₃â€“Bi_{0.5}Na_{0.5}TiO₃0â€“3 Composite FerroelectricThick Films. Journal of the American Ceramic Society, 2011, 94, 3425-3430.	3.8	8
118	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
119	Acoustic Energy Controlled Nanoparticle Aggregation for Nanotherapy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 735-744.	3.0	8
120	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
121	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
122	A Novel Ultrasound Technique for Non-Invasive Assessment of Cell Differentiation. IEEE Sensors Journal, 2016, 16, 61-68.	4.7	7
123	Modular Fabrication and Assembly of Large 2D Arrays with Interface Asics, Pin-Pmn-Pt Composite, and 3D Printed Backing. , 2018, , .		7
124	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
125	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
126	Photoacoustic imaging of 3D-printed vascular networks. Biofabrication, 2022, 14, 025001.	7.1	7

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127	Endoscopic ultrasound radial arrays fabricated with high-performance piezocrystal and piezocomposite. , 2010, , .		6
128	Single microparticle manipulation by an ultrasound microbeam. , 2010, , .		6
129	Development of integrated preamplifier for high frequency ultrasonic transducer. , 2010, , .		5
130	A configurable dual-frequency transmit/receive system for acoustic angiography imaging. , 2014, , .		5
131	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
132	High frequency ultrasonic transducer with KNN/BNT 0–3 composite active element. , 2010, , .		4
133	Novel limiter using biploar power transistors for high frequency ultrasonic transducer applications. , 2011, , .		4
134	Vibration energy harvesting using piezoelectric circular diaphragm array. , 2011, , .		4
135	An open system for intravascular ultrasound imaging. , 2012, , .		4
136	Focused ultrasound stimulation on meibomian glands for the treatment of evaporative dry eye. Experimental Biology and Medicine, 2022, 247, 519-526.	2.4	4
137	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
138	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
139	Highly Integrated Multiplexing and Buffering Electronics for Large Aperture Ultrasonic Arrays. BME Frontiers, 2022, 2022, .	4.5	4
140	High frequency single crystal ultrasonic transducers up to 100 MHz for high resolution ophthalmic imaging applications. , 2017, , .		3
141	Large Area 1.75D Array for Liver Cancer by Tiling of Multi-Generation ASIC Array Modules. , 2020, , .		3
142	Real-time co-registered IVUS-OCT catheter for atherosclerotic plaque identification. , 2013, , .		2
143	Biomimetics: Biomimetic Anisotropic Reinforcement Architectures by Electrically Assisted Nanocomposite 3D Printing (Adv. Mater. 11/2017). Advanced Materials, 2017, 29, .	21.0	2
144	High frequency single crystal ultrasonic transducers up to 100 MHz for high resolution ophthalmic imaging applications. , 2017, , .		2

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145	Correlation of IOP with Corneal Acoustic Impedance in Porcine Eye Model. BioMed Research International, 2017, 2017, 1-6.	1.9	2
146	PIN-PMN-PT single crystal composite and 3D printed interposer backing for ASIC integration of large aperture 2D array. , 2017, , .		2
147	Visibility of Bioresorbable Vascular Scaffold in Intravascular Ultrasound Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1090-1101.	3.0	2
148	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
149	Fabrication and modeling of broadband ultrasonic transducers using partial composites. , 0, , .		1
150	PMN-PT high frequency ultrasonic needle transducers for pulsed wave Doppler in the eye. , 0, , .		1
151	Novel biomedical imaging that combines intravascular ultrasound (IVUS) and optical coherence tomography (OCT). , 2008, , .		1
152	Compensation of the transducer response for high frequency coded excitation imaging. , 2009, , .		1
153	High frequency, high frame rate pulse inversion chirp coded tissue harmonic imaging. , 2011, , .		1
154	80 MHz Intravascular Ultrasound (IVUS) transducer. , 2011, , .		1
155	Ultrahigh frequency ultrasound microbeam for biomedical applications. , 2012, , .		1
156	Integrated IVUS-OCT catheter for in vivo intravascular imaging. , 2012, , .		1
157	Zebrafish egg manipulation using ultrasound microbeam. , 2013, , .		1
158	Piezoelectric array for transducer application using additive manufacturing. , 2017, , .		1
159	Notice of Removal: Intravascular Ultrasound (IVUS) imaging reaching 100 MHz. , 2017, , .		1
160	Novel Configurations of Ultrahigh Frequency (â‰600 MHz) Analog Frontend for High Resolution Ultrasound Measurement. Sensors, 2018, 18, 2598.	3.8	1
161	Editorial for the Special Issue on MEMS Technology for Biomedical Imaging Applications. Micromachines, 2019, 10, 615.	2.9	1
162	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

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163	Design of dual-frequency piezoelectric micromachined ultrasonic transducers. , 2019, , .		1
164	High Frequency 1.75D array using a 3D printed pitch-changing interposer backing. , 2020, , .		1
165	Development of Moderate Intensity Focused Ultrasound (MIFU) for Ocular Drug Delivery. BME Frontiers, 2022, 2022, .	4.5	1
166	Fabrication of MEMS ZnO dome-shaped-diaphragm transducers for high frequency ultrasonic imaging. , 0, , .		0
167	Ultrasonic Doppler measurements of blood flow velocity of rabbit retinal vessels with high-frequency angled needle transducer. , 2008, , .		0
168	In situ measurements of attenuation coefficient for evaluating the hardness of cataract lens by a high frequency ultrasonic needle transducer. , 2009, , .		0
169	High-resolution co-registered intravascular imaging with integrated high frequency ultrasound and OCT probe. , 2010, , .		0
170	A 40 MHz high frequency ultrasound embedded epidural needle for assisting epidural access in pig study. , 2010, , .		0
171	Intravascular ultrasound chirp imaging. , 2011, , .		0
172	A flexible annular array imaging platform for micro-ultrasound. , 2012, , .		0
173	Dual-frequency acoustic cavitation for noninvasively breaking down a cataractous lens. , 2012, , .		0
174	Optoacoustic elastography for tissue biomechanical property characterization using a ring transducer. , 2013, , .		0
175	Fabrication and characteristics of inversion layer LiNbO<inf>3</inf> for high frequency ultrasound transducers. , 2014, , .		0
176	Notice of Removal: Multi-focused acoustic holograms by 3D printing. , 2017, , .		0
177	Notice of Removal: Retina stimulation on rat in vivo with low-frequency ultrasound. , 2017, , .		0
178	KNN-based single crystal high frequency transducer for intravascular photoacoustic imaging. , 2017, , .		0
179	Notice of Removal: 3D printing of piezoelectric transducer/array for ultrasonic imaging. , 2017, , .		0
180	Notice of Removal: Assessment of corneal biomechanical properties using the ultrasonic micro-elastography. , 2017, , .		0

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181	Notice of Removal: Quantitative assessment of plate-like tissue viscoelastic properties using ultrasonic micro-elsatography with lamb wave model. , 2017, , .		0