

Yongqiang Qiu

List of Publications by Year in descending order

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30
papers

606
citations

840776

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1125743

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docs citations

31
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Micromachined Ultrasound Transducer (PMUT) Arrays for Integrated Sensing, Actuation and Imaging. <i>Sensors</i> , 2015, 15, 8020-8041.	3.8	257
2	Array-controlled ultrasonic manipulation of particles in planar acoustic resonator. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012, 59, 1258-1266.	3.0	85
3	Acoustic Devices for Particle and Cell Manipulation and Sensing. <i>Sensors</i> , 2014, 14, 14806-14838.	3.8	53
4	Letters: optically transparent piezoelectric transducer for ultrasonic particle manipulation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2014, 61, 389-391.	3.0	43
5	<i>In-Vivo</i> Evaluation of Microultrasound and Thermometric Capsule Endoscopes. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 632-639.	4.2	25
6	Light sheet microscopy with acoustic sample confinement. <i>Nature Communications</i> , 2019, 10, 669.	12.8	25
7	Thin Film PZT-Based PMUT Arrays for Deterministic Particle Manipulation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 1606-1615.	3.0	20
8	Ultrasound Capsule Endoscopy With a Mechanically Scanning Micro-ultrasound: A Porcine Study. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 796-804.	1.5	19
9	A Prototype Therapeutic Capsule Endoscope for Ultrasound-Mediated Targeted Drug Delivery. <i>Journal of Medical Robotics Research</i> , 2018, 03, 1840001.	1.2	17
10	Screen-printed ultrasonic 2-D matrix array transducers for microparticle manipulation. <i>Ultrasonics</i> , 2015, 62, 136-146.	3.9	15
11	Acoustic Sensing and Ultrasonic Drug Delivery in Multimodal Theranostic Capsule Endoscopy. <i>Sensors</i> , 2017, 17, 1553.	3.8	15
12	Micromachined diaphragm transducers for miniaturised ultrasound arrays. , 2012, , .		9
13	Transducer arrays for ultrasonic particle manipulation. , 2010, , .		7
14	2-D crossed-electrode transducer arrays for ultrasonic particle manipulation. , 2016, , .		3
15	Multi-Channel Signal-Generator ASIC for Acoustic Holograms. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 49-56.	3.0	3
16	Multi-wavelength ultrasonic standing wave device for non-invasive cell manipulation and characterisation. , 2011, , .		2
17	Particle manipulation in a microfluidic channel with an electronically controlled linear piezoelectric array. , 2012, , .		2
18	Investigating the motility of <i>Dictyostelium discoideum</i> using high frequency ultrasound as a method of manipulation. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Ultrasound Capsule Endoscopy Components for in vivo and ex vivo Microultrasound Near-Field Imaging. , 2019, , .		2
20	Implementation of a PMN-PT piezocrystal-based focused array with geodesic faceted structure. Ultrasonics, 2016, 69, 137-143.	3.9	1
21	Integrated Front End Circuitry for Microultrasound Capsule Endoscopy. , 2018, , .		1
22	Thick film PZT transducer arrays for particle manipulation. , 2013, , .		0
23	FPGA embedded system for ultrasound particle manipulation with Sonotweezers. , 2014, , .		0
24	Translational trial outcomes for capsule endoscopy test devices. , 2017, , .		0
25	Translational trial outcomes for capsule endoscopy test devices. , 2017, , .		0
26	Notice of Removal: Thin film PZT-based PMUT arrays for microultrasound capsule endoscopy. , 2017, , .		0
27	A Robust, Compact SPICE Model for Piezoelectric Ultrasonic Transducer Array Elements. , 2018, , .		0
28	Optimization of Ultrasonic Tool Performance in Surgery. IFMBE Proceedings, 2009, , 899-902.	0.3	0
29	Planar Particle Trapping and Manipulation with Ultrasonic Transducer Arrays. , 2013, , .		0
30	Optically enhanced acoustophoresis. , 2017, , .		0