

Holly S Lay

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

291
citations

1163117

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1281871

11
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27
all docs

27
docs citations

27
times ranked

312
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent magnetic manipulation for gastrointestinal ultrasound. <i>Science Robotics</i> , 2019, 4, .	17.6	77
2	In Vivo Characterization of a Wireless Telemetry Module for a Capsule Endoscopy System Utilizing a Conformal Antenna. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 95-105.	4.0	64
3	Ultrasound capsule endoscopy: sounding out the future. <i>Annals of Translational Medicine</i> , 2017, 5, 201-201.	1.7	28
4	<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
5	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
6	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
7	Design and Simulation of a Ring-Shaped Linear Array for Microultrasound Capsule Endoscopy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 589-599.	3.0	17
8	Acoustic Sensing and Ultrasonic Drug Delivery in Multimodal Theranostic Capsule Endoscopy. <i>Sensors</i> , 2017, 17, 1553.	3.8	15
9	Design and simulation of a high-frequency ring-shaped linear array for capsule ultrasound endoscopy. , 2014, , .		8
10	High Resolution Microultrasound ($\frac{1}{4}$ US) Investigation of the Gastrointestinal (GI) Tract. <i>Methods in Molecular Biology</i> , 2017, 1572, 541-561.	0.9	4
11	Beamforming and Imaging Approaches for Array-Based Dual-Frequency Acoustic Angiography. , 2019, , .		4
12	Novel interconnection and fabrication method for high-frequency ultrasound arrays. , 2010, , .		2
13	High-Frequency Annular Array Fabrication Using a Flex Circuit Matching Layer. <i>Ultrasonic Imaging</i> , 2012, 34, 196-204.	2.6	2
14	Ultrasound Capsule Endoscopy Components for in vivo and ex vivo Microultrasound Near-Field Imaging. , 2019, , .		2
15	A low cost receive beamformer for a high frequency annular array. , 2011, , .		1
16	Microultrasound and small bowel inflammation: Tissue phantom studies. , 2015, , .		1
17	Integrated Front End Circuitry for Microultrasound Capsule Endoscopy. , 2018, , .		1
18	Twisting waves increase the visibility of nonlinear behaviour. <i>New Journal of Physics</i> , 2020, 22, 063021.	2.9	1

#	ARTICLE	IF	CITATIONS
19	An easy and inexpensive method for fabricating high frequency annular arrays. , 2010, , .		0
20	Development of a hybrid custom / commercial multi-channel, high-frequency transmit pulser and beamformer system. , 2015, , .		0
21	Translational trial outcomes for capsule endoscopy test devices. , 2017, , .		0
22	Translational trial outcomes for capsule endoscopy test devices. , 2017, , .		0
23	Notice of Removal: Thin film PZT-based PMUT arrays for microultrasound capsule endoscopy. , 2017, , .		0
24	Virtual Prototyping of a Catheter Transducer Array for Internal Hepatic Sonoporation. , 2018, , .		0
25	A Robust, Compact SPICE Model for Piezoelectric Ultrasonic Transducer Array Elements. , 2018, , .		0
26	Complex beam shaping always alters the propagation speed of a coherent wavefront (Conference) Tj ETQq0 0 0 rgBT /Overlogk 10 Tf 50		