

Congzhi Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3379657/publications.pdf>

Version: 2024-02-01

20
papers

493
citations

933447

10
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning based classification of breast tumors with shear-wave elastography. <i>Ultrasonics</i> , 2016, 72, 150-157.	3.9	181
2	Computer-Aided Diagnosis Based on Quantitative Elastographic Features with Supersonic Shear Wave Imaging. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 275-286.	1.5	46
3	Ultrasound image reconstruction from plane wave radio-frequency data by self-supervised deep neural network. <i>Medical Image Analysis</i> , 2021, 70, 102018.	11.6	46
4	Quantification of Elastic Heterogeneity Using Contourlet-Based Texture Analysis in Shear-Wave Elastography for Breast Tumor Classification. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 588-600.	1.5	44
5	A Portable Ultrasound System for Non-Invasive Ultrasonic Neuro-Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 2509-2515.	4.9	38
6	Active Acoustic Metasurface: Complete Elimination of Grating Lobes for High-Quality Ultrasound Focusing and Controllable Steering. <i>Physical Review Applied</i> , 2019, 11, .	3.8	23
7	Computer-assisted assessment of ultrasound real-time elastography: Initial experience in 145 breast lesions. <i>European Journal of Radiology</i> , 2014, 83, e1-e7.	2.6	19
8	3D Acoustic Manipulation of Living Cells and Organisms Based On 2D Array. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2342-2352.	4.2	19
9	A PMN-PT Composite-Based Circular Array for Endoscopic Ultrasonic Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2354-2362.	3.0	13
10	Ultrafast Endoscopic Ultrasonography With Circular Array. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2110-2120.	8.9	10
11	Diagnosing Muscle Atrophy by Use of a Comprehensive Method of Assessing the Elastic Properties of Muscle During Passive Stretching. <i>American Journal of Roentgenology</i> , 2020, 214, 862-870.	2.2	8
12	Development of Scalable 2D Plane Array for Transcranial Ultrasonic Neuromodulation on Non-Human Primates: An Ex Vivo Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 361-369.	4.9	8
13	<i>In Vivo</i> Ultrasound Localization Microscopy Imaging of the Kidney's Microvasculature With Block-Matching 3-D Denoising. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 523-533.	3.0	8
14	Development of multi-layer lateral-mode ultrasound needle transducer for brain stimulation in mice. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 67, 1-1.	4.2	7
15	Quantitative Estimation of Passive Elastic Properties of Individual Skeletal Muscle <i>in Vivo</i> Using Normalized Elastic Modulus-Length Curve. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 3371-3379.	4.2	5
16	A General Framework for Inverse Problem Solving using Self-Supervised Deep Learning: Validations in Ultrasound and Photoacoustic Image Reconstruction. , 2021, , .		5
17	Transformable Ultrasonic Array Transducer for Multiscale Imaging and Beamforming. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 3078-3087.	7.9	4
18	Ultrasonic characterization of localized passive elastic properties of human pennate muscle with a single-probe setup. <i>Ultrasonics</i> , 2021, 116, 106512.	3.9	4

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19	1.5-Dimensional Circular Array Transducer for <i>In Vivo</i> Endoscopic Ultrasonography. IEEE Transactions on Biomedical Engineering, 2021, 68, 2930-2939.	4.2	3
20	A Digital Multigate Doppler Method for High Frequency Ultrasound. Sensors, 2014, 14, 13348-13360.	3.8	2