

# Han Wang

## List of Publications by Year in descending order

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24  
papers

190  
citations

1478505

6  
h-index

1372567

10  
g-index

24  
all docs

24  
docs citations

24  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Devices for Particle and Cell Manipulation and Sensing. Sensors, 2014, 14, 14806-14838.	3.8	53
2	Attention fusion network for multi-spectral semantic segmentation. Pattern Recognition Letters, 2021, 146, 179-184.	4.2	38
3	LBP-BEGAN: A generative adversarial network architecture for infrared and visible image fusion. Infrared Physics and Technology, 2020, 104, 103144.	2.9	20
4	Screen-printed ultrasonic 2-D matrix array transducers for microparticle manipulation. Ultrasonics, 2015, 62, 136-146.	3.9	15
5	Lithium niobate transducers for MRI-guided ultrasonic microsurgery. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1570-1576.	3.0	13
6	A DenseUnet generative adversarial network for near-infrared face image colorization. Signal Processing, 2021, 183, 108007.	3.7	13
7	Dual Orientation 16-MHz Single-Element Ultrasound Needle Transducers for Image-Guided Neurosurgical Intervention. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 233-244.	3.0	5
8	Two-dimensional flexural ultrasonic phased array for flow measurement. , 2017, , .		5
9	Hybrid optical and acoustic force based sorting. , 2014, , .		4
10	Air-coupled 40-kHz ultrasonic 2D-phased array based on a 3D-printed waveguide structure. , 2017, , .		4
11	A sonic screwdriver: Acoustic angular momentum transfer for ultrasonic manipulation. , 2011, , .		3
12	2-D crossed-electrode transducer arrays for ultrasonic particle manipulation. , 2016, , .		3
13	Ultrasonic phased array for sound drift compensation in gas flow metering. , 2017, , .		3
14	A Multibeam Steerable Parametric Array Loudspeaker for Distinct Audio Content Directing. IEEE Sensors Journal, 2022, 22, 13640-13647.	4.7	3
15	Lithium niobate ultrasound transducers for high-resolution focused ultrasound surgery. , 2010, , .		2
16	Particle manipulation in a microfluidic channel with an electronically controlled linear piezoelectric array. , 2012, , .		2
17	Ex-vivo navigation of neurosurgical biopsy needles using microultrasound transducers with M-mode imaging. , 2015, , .		1
18	Single-transducer acoustic levitator with equidistant vertical positioning capability. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Impact of Worst-Case Excitation for DDR interface Signal and Power Integrity Co-Simulation. Journal of Electronic Testing: Theory and Applications (JETTA), 2020, 36, 365-374.	1.2	1
20	Magnetic Matching-Aided Indoor Localization System Based on a Waist-Mounted Self-Contained Sensor Array. Journal of Sensors, 2022, 2022, 1-15.	1.1	1
21	High-frequency transducer for MR-guided FUS. Biomedizinische Technik, 2012, 57, .	0.8	0
22	Thick film PZT transducer arrays for particle manipulation. , 2013, , .		0
23	FPGA embedded system for ultrasound particle manipulation with Sonotweezers. , 2014, , .		0
24	Planar Particle Trapping and Manipulation with Ultrasonic Transducer Arrays. , 2013, , .		0