

# Qiong He

## List of Publications by Year in descending order

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docs citations

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times ranked

838  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Analysis of Pleural Line and B-Lines in Lung Ultrasound Images for Severity Assessment of COVID-19 Pneumonia. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 73-83.	1.7	11
2	A novel quantitative ultrasound technique for identifying non-alcoholic steatohepatitis. Liver International, 2022, 42, 80-91.	1.9	6
3	Acceleration of reconstruction for compressed sensing based synthetic transmit aperture imaging by using in-phase/quadrature data. Ultrasonics, 2022, 118, 106576.	2.1	6
4	Natural Herbal Remedy Wumei Decoction Ameliorates Intestinal Mucosal Inflammation by Inhibiting Th1/Th17 Cell Differentiation and Maintaining Microbial Homeostasis. Inflammatory Bowel Diseases, 2022, 28, 1061-1071.	0.9	12
5	The Development and Validation of Anti-paratuberculosis-nocardia Polypeptide Antibody [Anti-pTNP] for the Diagnosis of Crohn's Disease. Journal of Crohn's and Colitis, 2022, , .	0.6	2
6	Hadamard-Encoded Synthetic Transmit Aperture Imaging for Improved Lateral Motion Estimation in Ultrasound Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1204-1218.	1.7	3
7	Improved Ultrafast Power Doppler Imaging by Using Spatiotemporal Non-Local Means Filtering. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1610-1624.	1.7	17
8	In vivo assessment of hypertensive nephrosclerosis using ultrasound localization microscopy. Medical Physics, 2022, 49, 2295-2308.	1.6	16
9	Unsupervised Convolutional Neural Network for Motion Estimation in Ultrasound Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2236-2247.	1.7	10
10	Influence of key parameters on motion artifacts in lateral strain estimation with spatial angular compounding. Ultrasonics, 2022, 125, 106799.	2.1	0
11	Ultrasound image reconstruction from plane wave radio-frequency data by self-supervised deep neural network. Medical Image Analysis, 2021, 70, 102018.	7.0	46
12	Perivascular Space Detection by Using Contrast-enhanced Ultrafast Power Doppler Imaging: A Feasibility Study. , 2021, , .		0
13	A General Framework for Inverse Problem Solving using Self-Supervised Deep Learning: Validations in Ultrasound and Photoacoustic Image Reconstruction. , 2021, , .		5
14	Spatiotemporal Nonlocal Means Based Denoising for Ultrasound Microvascular Imaging. , 2021, , .		2
15	In Vivo Assessment of Diabetic Kidney Disease using Ultrasound Localization Microscopy. , 2021, , .		2
16	Pleural line and B-lines based image analysis for severity evaluation of COVID-19 pneumonia. , 2021, , .		2
17	Hadamard-encoded synthetic transmit aperture imaging for improvement of strain estimation. , 2021, , .		0
18	Contrast-free Ultrasound Microvascular Imaging for Intraoperative Detection of Human Spinal Cord Tumor: An In vivo Feasibility Study. , 2021, , .		8

#	ARTICLE	IF	CITATIONS
19	Deep Unfolded Robust PCA With Application to Clutter Suppression in Ultrasound. IEEE Transactions on Medical Imaging, 2020, 39, 1051-1063.	5.4	117
20	Self-Supervised Learning of a Deep Neural Network for Ultrafast Ultrasound Imaging as an Inverse Problem. , 2020, , .		6
21	Fast Randomized Singular Value Decomposition-Based Clutter Filtering for Shear Wave Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 2363-2377.	1.7	5
22	Deep Learning for Ultrasound Localization Microscopy. IEEE Transactions on Medical Imaging, 2020, 39, 3064-3078.	5.4	72
23	qULM-DL: Quantitative Ultrasound Localization Microscopy via Deep Learning. , 2020, , .		2
24	A Deep Learning Method for Reduction of Microbubble Accumulation Time in Ultrasound Localization Microscopy. , 2020, , .		2
25	Intraoperative Ultrasound Localization Microscopy of Human Spinal Cord: An In Vivo Feasibility Study. , 2020, , .		1
26	Evaluating HIFU-mediated local drug release using thermal strain imaging: Phantom and preliminary <i>in vivo</i> studies. Medical Physics, 2019, 46, 3864-3876.	1.6	11
27	Spatial Angular Compounding With Affine-Model-Based Optical Flow for Improvement of Motion Estimation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 701-716.	1.7	9
28	Coded Excitation for Crosstalk Suppression in Multi-line Transmit Beamforming: Simulation Study and Experimental Validation. Applied Sciences (Switzerland), 2019, 9, 486.	1.3	11
29	Non-rigid Motion Correction for Ultrasound Localization Microscopy of the Liver in vivo. , 2019, , .		15
30	An in vivo Comparison of Principal and Polar Strains in Carotid Atherosclerotic Plaques. , 2019, , .		0
31	Compressed Sensing Based Synthetic Transmit Aperture Imaging: Validation in a Convex Array Configuration. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 300-315.	1.7	22
32	Cardiac Deformation Imaging Based on Coherent Compounding of Diverging Waves with Coded Excitation. , 2018, , .		1
33	Assessment of Diabetic Kidney Disease Using Ultrasound Localization Microscopy: An in Vivo Feasibility Study in Rats. , 2018, , .		10
34	2D Motion Estimation Based on Diverging Wave Coherent Compounding and Transverse Oscillations. , 2018, , .		1
35	High-Quality Reconstruction of Plane-Wave Imaging Using Generative Adversarial Network. , 2018, , .		21
36	Electromagnetic tracking-based freehand 3D quasi-static elastography with 1D linear array: a phantom study. Physics in Medicine and Biology, 2018, 63, 245006.	1.6	4

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37	Non-Invasive Identification of Vulnerable Atherosclerotic Plaques Using Texture Analysis in Ultrasound Carotid Elastography: An In Vivo Feasibility Study Validated by Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 817-830.	0.7	25
38	Novel Method for Vessel Cross-Sectional Shear Wave Imaging. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1520-1532.	0.7	15
39	An Inverse Method to Determine Arterial Stiffness with Guided Axial Waves. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 505-516.	0.7	23
40	A Compressed Sensing Strategy for Synthetic Transmit Aperture Ultrasound Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 878-891.	5.4	53
41	An ultrasound elastography method to determine the local stiffness of arteries with guided circumferential waves. <i>Journal of Biomechanics</i> , 2017, 51, 97-104.	0.9	23
42	Tumor-homing, pH- and ultrasound-responsive polypeptide-doxorubicin nanoconjugates overcome doxorubicin resistance in cancer therapy. <i>Journal of Controlled Release</i> , 2017, 264, 66-75.	4.8	58
43	Performance optimization of lateral displacement estimation with spatial angular compounding. <i>Ultrasonics</i> , 2017, 73, 9-21.	2.1	18
44	Notice of Removal: An MRI-compatible mock model for intra-cardiac flow imaging. , 2017, , .		0
45	Comparison of different motion estimation methods for vessel cross-sectional shear wave imaging. , 2017, , .		0
46	Notice of Removal: Guided wave elastography of pressurized artery in both longitudinal and transverse sections: Validation in phantom experiments. , 2017, , .		0
47	Notice of Removal: Feasibility of thermal strain imaging in noninvasive monitoring of HIFU-mediated local drug delivery. , 2017, , .		1
48	Comparison of different motion estimation methods for vessel cross-sectional shear wave imaging. , 2017, , .		0
49	Evaluating the Significance of Viscoelasticity in Diagnosing Early-Stage Liver Fibrosis with Transient Elastography. <i>PLoS ONE</i> , 2017, 12, e0170073.	1.1	16
50	High frame rate and high line density ultrasound imaging for local pulse wave velocity estimation using motion matching: A feasibility study on vessel phantoms. <i>Ultrasonics</i> , 2016, 67, 41-54.	2.1	12
51	Ultrasound-Based Carotid Elastography for Detection of Vulnerable Atherosclerotic Plaques Validated by Magnetic Resonance Imaging. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 365-377.	0.7	61
52	Real-time phase-contrast flow cardiovascular magnetic resonance with low-rank modeling and parallel imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 19.	1.6	31
53	Compressed sensing for synthetic transmit aperture. , 2015, , .		0
54	Regulatory mechanism underlying cyclic changes in mouse uterine bicarbonate secretion: role of estrogen. <i>Reproduction</i> , 2010, 140, 903-910.	1.1	31

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55	Abnormally up-regulated cystic fibrosis transmembrane conductance regulator expression and uterine fluid accumulation contribute to Chlamydia trachomatis-induced female infertility. <i>Fertility and Sterility</i> , 2010, 93, 2608-2614.	0.5	24
56	Cyclic changes in uterine bicarbonate secretion and the underlying mechanisms. <i>Cell Biology International</i> , 2008, 32, S43-S43.	1.4	0