

# Yang Xiao

## List of Publications by Year in descending order

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31  
papers

1,072  
citations

687363

13  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning radiomics can predict axillary lymph node status in early-stage breast cancer. <i>Nature Communications</i> , 2020, 11, 1236.	12.8	276
2	Deep learning based classification of breast tumors with shear-wave elastography. <i>Ultrasonics</i> , 2016, 72, 150-157.	3.9	181
3	Sonoelastomics for Breast Tumor Classification: A Radiomics Approach with Clustering-Based Feature Selection on Sonoelastography. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1058-1069.	1.5	89
4	Influence of Measurement Depth on the Stiffness Assessment of Healthy Liver with Real-Time Shear Wave Elastography. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 461-469.	1.5	78
5	Hyperthermia-triggered drug delivery from iRGD-modified temperature-sensitive liposomes enhances the anti-tumor efficacy using high intensity focused ultrasound. <i>Journal of Controlled Release</i> , 2016, 243, 333-341.	9.9	69
6	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
7	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
8	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
9	Dual-mode artificially-intelligent diagnosis of breast tumours in shear-wave elastography and B-mode ultrasound using deep polynomial networks. <i>Medical Engineering and Physics</i> , 2019, 64, 1-6.	1.7	34
10	Breast lesion classification based on supersonic shear-wave elastography and automated lesion segmentation from B-mode ultrasound images. <i>Computers in Biology and Medicine</i> , 2018, 93, 31-46.	7.0	26
11	The study of antiviral drugs targeting SARS-CoV-2 nucleocapsid and spike proteins through large-scale compound repurposing. <i>Heliyon</i> , 2021, 7, e06387.	3.2	25
12	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
13	Classification of Carotid Plaque Echogenicity by Combining Texture Features and Morphologic Characteristics. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 2253-2261.	1.7	19
14	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
15	Evaluation of lung involvement in COVID-19 pneumonia based on ultrasound images. <i>BioMedical Engineering OnLine</i> , 2021, 20, 27.	2.7	13
16	Ultrasound Strain Elastography for Breast Lesions: Computer-Aided Evaluation With Quantifiable Elastographic Features. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 1089-1100.	1.7	10
17	Ultrafast Endoscopic Ultrasonography With Circular Array. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2110-2120.	8.9	10
18	Quantitative Evaluation of Gastrocnemius Medialis Stiffness During Passive Stretching Using Shear Wave Elastography in Patients with Parkinson's Disease: A Prospective Preliminary Study. <i>Korean Journal of Radiology</i> , 2021, 22, 1841-1849.	3.4	10

#	ARTICLE	IF	CITATIONS
19	Diagnosing Muscle Atrophy by Use of a Comprehensive Method of Assessing the Elastic Properties of Muscle During Passive Stretching. American Journal of Roentgenology, 2020, 214, 862-870.	2.2	8
20	Development of multi-layer lateral-mode ultrasound needle transducer for brain stimulation in mice. IEEE Transactions on Biomedical Engineering, 2019, 67, 1-1.	4.2	7
21	Strain estimation in elastography using scale-invariant keypoints tracking. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 706-717.	3.0	6
22	Detection of Subclinical Atherosclerosis in Asymptomatic Subjects Using Ultrasound Radiofrequency-Tracking Technology. PLoS ONE, 2014, 9, e111926.	2.5	6
23	Standard deviation of carotid young's modulus and presence or absence of plaque improves prediction of coronary heart disease risk. Clinical Physiology and Functional Imaging, 2017, 37, 682-687.	1.2	5
24	Quantitative Estimation of Passive Elastic Properties of Individual Skeletal Muscle <i>in Vivo</i> Using Normalized Elastic Modulus-Length Curve. IEEE Transactions on Biomedical Engineering, 2020, 67, 3371-3379.	4.2	5
25	Reliability and diagnostic accuracy of corrected slack angle derived from 2D-SWE in quantitating muscle spasticity of stroke patients. Journal of NeuroEngineering and Rehabilitation, 2022, 19, 15.	4.6	5
26	Transformable Ultrasonic Array Transducer for Multiscale Imaging and Beamforming. IEEE Transactions on Industrial Electronics, 2022, 69, 3078-3087.	7.9	4
27	Ultrasonic characterization of localized passive elastic properties of human pennate muscle with a single-probe setup. Ultrasonics, 2021, 116, 106512.	3.9	4
28	Prediction of programmed cell death protein 1 in hepatocellular carcinoma patients using radiomics analysis with radiofrequency-based ultrasound multifeature maps. BioMedical Engineering OnLine, 2022, 21, 24.	2.7	4
29	Optimized Study and Column Experiments on Treatment Process of Metronidazole Pharmaceutical Wastewater by Microelectrolysis and Fenton Oxidation. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	3
30	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
31	A Digital Multigate Doppler Method for High Frequency Ultrasound. Sensors, 2014, 14, 13348-13360.	3.8	2