Hong Liu

List of Publications by Year
in descending order

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26	731	566801 15	642321 23
papers	citations	h-index	g-index

26	26	26	598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of a new CAD-generated imaging marker to predict risk of having mammography-occult tumors. , 2022, , .		0
2	Transformers Improve Breast Cancer Diagnosis from Unregistered Multi-View Mammograms. Diagnostics, 2022, 12, 1549.	1.3	15
3	Applying a Random Projection Algorithm to Optimize Machine Learning Model for Breast Lesion Classification. IEEE Transactions on Biomedical Engineering, 2021, 68, 2764-2775.	2.5	14
4	Development and Assessment of a New Global Mammographic Image Feature Analysis Scheme to Predict Likelihood of Malignant Cases. IEEE Transactions on Medical Imaging, 2020, 39, 1235-1244.	5.4	35
5	The role of chest computed tomography in the management of COVID-19: A review of results and recommendations. Experimental Biology and Medicine, 2020, 245, 1096-1103.	1.1	10
6	Applying a new quantitative image analysis scheme based on global mammographic features to assist diagnosis of breast cancer. Computer Methods and Programs in Biomedicine, 2019, 179, 104995.	2.6	21
7	Applying a new computer-aided detection scheme generated imaging marker to predict short-term breast cancer risk. Physics in Medicine and Biology, 2018, 63, 105005.	1.6	18
8	Prediction of breast cancer risk using a machine learning approach embedded with a locality preserving projection algorithm. Physics in Medicine and Biology, 2018, 63, 035020.	1.6	70
9	Prediction of chemotherapy response in ovarian cancer patients using a new clustered quantitative image marker. Physics in Medicine and Biology, 2018, 63, 155020.	1.6	35
10	Novel Detection Scheme for X-Ray Small-Angle Scattering. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 315-325.	2.7	4
11	Conventional and phase contrast x-ray imaging techniques and ultrasound imaging method in breast tumor detection: initial comparison studies using phantom. , 2018, , .		0
12	Laboratory designs and validations of a glandularity-adjustable dual-purpose breast tissue phantom. , 2018, , .		0
13	A new approach to develop computer-aided diagnosis scheme of breast mass classification using deep learning technology. Journal of X-Ray Science and Technology, 2017, 25, 751-763.	0.7	69
14	Using Microbubble as Contrast Agent for High-energy X-ray In-line Phase Contrast Imaging: Demonstration and Comparison Study. IEEE Transactions on Biomedical Engineering, 2017, 65, 1-1.	2.5	7
15	Quantitative investigation of the edge enhancement in in-line phase contrast projections and tomosynthesis provided by distributing microbubbles on the interface between two tissues: a phantom study. Physics in Medicine and Biology, 2017, 62, 9357-9376.	1.6	5
16	Quantitative measurement of adiposity using CT images to predict the benefit of bevacizumab-based chemotherapy in epithelial ovarian cancer patients. Oncology Letters, 2016, 12, 680-686.	0.8	15
17	Characterization of a highâ€energy inâ€line phase contrast tomosynthesis prototype. Medical Physics, 2015, 42, 2404-2420.	1.6	22
18	A new approach to develop computer-aided detection schemes of digital mammograms. Physics in Medicine and Biology, 2015, 60, 4413-4427.	1.6	33

#	Article	IF	Citations
19	Assessment of a Four-View Mammographic Image Feature Based Fusion Model to Predict Near-Term Breast Cancer Risk. Annals of Biomedical Engineering, 2015, 43, 2416-2428.	1.3	48
20	Dose and detectability improvements with high energy phase sensitive x-ray imaging in comparison to low energy conventional imaging. Physics in Medicine and Biology, 2014, 59, N37-N48.	1.6	19
21	The effects of x-ray beam hardening on detective quantum efficiency and radiation dose. Journal of X-Ray Science and Technology, 2011, 19, 509-519.	0.7	10
22	Preliminary Feasibility Study of an In-line Phase Contrast X-Ray Imaging Prototype. IEEE Transactions on Biomedical Engineering, 2008, 55, 2249-2257.	2.5	28
23	An experimental method of determining relative phase-contrast factor for x-ray imaging systems. Medical Physics, 2004, 31, 997-1002.	1.6	23
24	Clinical implementation of x-ray phase-contrast imaging: Theoretical foundations and design considerations. Medical Physics, 2003, 30, 2169-2179.	1.6	147
25	A general theoretical formalism for X-ray phase contrast imaging. Journal of X-Ray Science and Technology, 2003, 11, 33-42.	0.7	66
26	Characterization of a CCD-based digital x-ray imaging system for small-animal studies: properties of spatial resolution. Applied Optics, 2002, 41, 2420.	2.1	17