Chung-Ming Lo

List of Publications by Year
in descending order

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42 papers	862 citations	516710 16 h-index	501196 28 g-index
43 all docs	43 docs citations	43 times ranked	1258 citing authors

#	Article	IF	Citations
1	Computer-aided diagnosis of liver tumors on computed tomography images. Computer Methods and Programs in Biomedicine, 2017, 145, 45-51.	4.7	82
2	Quantification of breast tumor heterogeneity for ER status, HER2 status, and TN molecular subtype evaluation on DCE-MRI. Magnetic Resonance Imaging, 2016, 34, 809-819.	1.8	69
3	Computer-aided grading of gliomas based on local and global MRI features. Computer Methods and Programs in Biomedicine, 2017, 139, 31-38.	4.7	69
4	Quantitative glioma grading using transformed gray-scale invariant textures of MRI. Computers in Biology and Medicine, 2017, 83, 102-108.	7.0	56
5	Tumor detection in automated breast ultrasound images using quantitative tissue clustering. Medical Physics, 2014, 41, 042901.	3.0	50
6	Computer-aided diagnosis of breast masses using quantified BI-RADS findings. Computer Methods and Programs in Biomedicine, 2013, 111, 84-92.	4.7	44
7	Radiomic model for predicting mutations in the isocitrate dehydrogenase gene in glioblastomas. Oncotarget, 2017, 8, 45888-45897.	1.8	43
8	The adaptive computer-aided diagnosis system based on tumor sizes for the classification of breast tumors detected at screening ultrasound. Ultrasonics, 2017, 76, 70-77.	3.9	41
9	Computerâ€aided classification of breast masses using speckle features of automated breast ultrasound images. Medical Physics, 2012, 39, 6465-6473.	3.0	38
10	Computer-aided diagnosis for distinguishing between triple-negative breast cancer and fibroadenomas based on ultrasound texture features. Medical Physics, 2015, 42, 3024-3035.	3.0	37
11	Intensity-Invariant Texture Analysis for Classification of BI-RADS Category 3 Breast Masses. Ultrasound in Medicine and Biology, 2015, 41, 2039-2048.	1.5	27
12	Rapid Assessment of Acute Ischemic Stroke by Computed Tomography Using Deep Convolutional Neural Networks. Journal of Digital Imaging, 2021, 34, 637-646.	2.9	25
13	Quantitative breast lesion classification based on multichannel distributions in shear-wave imaging. Computer Methods and Programs in Biomedicine, 2015, 122, 354-361.	4.7	23
14	Computer-Aided Diagnosis of Different Rotator Cuff Lesions Using Shoulder Musculoskeletal Ultrasound. Ultrasound in Medicine and Biology, 2016, 42, 2315-2322.	1.5	19
15	Quantitative breast mass classification based on the integration of B-mode features and strain features in elastography. Computers in Biology and Medicine, 2015, 64, 91-100.	7.0	17
16	A Novel Machine Learning Algorithm to Automatically Predict Visual Outcomes in Intravitreal Ranibizumab-Treated Patients with Diabetic Macular Edema. Journal of Clinical Medicine, 2018, 7, 475.	2.4	17
17	Classification of lung cancer subtypes based on autofluorescence bronchoscopic pattern recognition: A preliminary study. Computer Methods and Programs in Biomedicine, 2018, 163, 33-38.	4.7	17
18	Effect of a computer-aided diagnosis system on radiologists' performance in grading gliomas with MRI. PLoS ONE, 2017, 12, e0171342.	2.5	16

#	Article	IF	Citations
19	Computer-Aided Detection of Hyperacute Stroke Based on Relative Radiomic Patterns in Computed Tomography. Applied Sciences (Switzerland), 2019, 9, 1668.	2.5	16
20	A machine learning texture model for classifying lung cancer subtypes using preliminary bronchoscopic findings. Medical Physics, 2018, 45, 5509-5514.	3.0	14
21	Intelligent Glioma Grading Based on Deep Transfer Learning of MRI Radiomic Features. Applied Sciences (Switzerland), 2019, 9, 4926.	2.5	13
22	Computer-Aided Bacillus Detection in Whole-Slide Pathological Images Using a Deep Convolutional Neural Network. Applied Sciences (Switzerland), 2020, 10, 4059.	2.5	12
23	Quantitative breast density analysis using tomosynthesis and comparison with MRI and digital mammography. Computer Methods and Programs in Biomedicine, 2018, 154, 99-107.	4.7	11
24	Quantitative diagnosis of rotator cuff tears based on sonographic pattern recognition. PLoS ONE, 2019, 14, e0212741.	2.5	11
25	Computer-Aided Strain Evaluation for Acoustic Radiation Force Impulse Imaging of Breast Masses. Ultrasonic Imaging, 2014, 36, 151-166.	2.6	10
26	Quantitative analysis of breast echotexture patterns in automated breast ultrasound images. Medical Physics, 2015, 42, 4566-4578.	3.0	10
27	Computer-aided diagnosis of isocitrate dehydrogenase genotypes in glioblastomas from radiomic patterns. Medicine (United States), 2020, 99, e19123.	1.0	10
28	Deep Convolutional Neural Networks Detect Tumor Genotype from Pathological Tissue Images in Gastrointestinal Stromal Tumors. Cancers, 2021, 13, 5787.	3.7	10
29	Computer-aided diagnosis of ischemic stroke using multi-dimensional image features in carotid color Doppler. Computers in Biology and Medicine, 2022, 147, 105779.	7.0	9
30	Whole-Breast Ultrasound for Breast Screening and Archiving. Ultrasound in Medicine and Biology, 2017, 43, 926-933.	1.5	8
31	Cancer quantification from data mining to artificial intelligence. Computer Methods and Programs in Biomedicine, 2017, 145, A1.	4.7	7
32	Supraspinatus Segmentation From Shoulder Ultrasound Images Using a Multilayer Self-Shrinking Snake. IEEE Access, 2019, 7, 146724-146731.	4.2	7
33	RNA editing-based classification of diffuse gliomas: predicting isocitrate dehydrogenase mutation and chromosome 1p/19q codeletion. BMC Bioinformatics, 2019, 20, 659.	2.6	7
34	Feasibility Testing: Three-dimensional Tumor Mapping in Different Orientations of Automated Breast Ultrasound. Ultrasound in Medicine and Biology, 2016, 42, 1201-1210.	1.5	6
35	Quantitative Analysis of Melanosis Coli Colonic Mucosa Using Textural Patterns. Applied Sciences (Switzerland), 2020, 10, 404.	2.5	4
36	Machine learning based cancer detection using various image modalities. Computer Methods and Programs in Biomedicine, 2018, 156, A1.	4.7	3

#	Article	IF	Citations
37	The use of multimedia medical data and machine learning for various diagnoses. Computer Methods and Programs in Biomedicine, 2018, 165, A1.	4.7	2
38	The informative exhibition of diagnostic imaging. Computer Methods and Programs in Biomedicine, 2017, 141, A1.	4.7	1
39	Automatic methods for managements of cancer, medicine, and behavior. Computer Methods and Programs in Biomedicine, 2017, 146, A1.	4.7	1
40	Computer-Aided Tumor Detection in Automated Breast Ultrasound Images. , 2014, , 279-297.		0
41	Editorial. Computer Methods and Programs in Biomedicine, 2016, 124, 1.	4.7	0
42	The integration of image processing and machine learning for the diagnosis of stroke in CT. Computer Methods and Programs in Biomedicine, 2017, 148, A1.	4.7	0