Sema Candemir

List of Publications by Year
in descending order

40 papers	2,283 citations	516215 16 h-index	552369 26 g-index
41 all docs	41 docs citations	41 times ranked	1957 citing authors

#	Article	IF	Citations
1	Lung Segmentation in Chest Radiographs Using Anatomical Atlases With Nonrigid Registration. IEEE Transactions on Medical Imaging, 2014, 33, 577-590.	5.4	418
2	Automatic Tuberculosis Screening Using Chest Radiographs. IEEE Transactions on Medical Imaging, 2014, 33, 233-245.	5.4	403
3	Two public chest X-ray datasets for computer-aided screening of pulmonary diseases. Quantitative Imaging in Medicine and Surgery, 2014, 4, 475-7.	1.1	370
4	Visualization and Interpretation of Convolutional Neural Network Predictions in Detecting Pneumonia in Pediatric Chest Radiographs. Applied Sciences (Switzerland), 2018, 8, 1715.	1.3	191
5	Feature Selection for Automatic Tuberculosis Screening in Frontal Chest Radiographs. Journal of Medical Systems, 2018, 42, 146.	2.2	116
6	Combination of texture and shape features to detect pulmonary abnormalities in digital chest X-rays. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 99-106.	1.7	98
7	A review on lung boundary detection in chest X-rays. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 563-576.	1.7	98
8	Automatic screening for tuberculosis in chest radiographs: a survey. Quantitative Imaging in Medicine and Surgery, 2013, 3, 89-99.	1.1	68
9	Detecting drug-resistant tuberculosis in chest radiographs. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1915-1925.	1.7	41
10	A novel stacked generalization of models for improved TB detection in chest radiographs. , 2018, 2018, 718-721.		38
11	Automated coronary artery atherosclerosis detection and weakly supervised localization on coronary CT angiography with a deep 3-dimensional convolutional neural network. Computerized Medical Imaging and Graphics, 2020, 83, 101721.	3.5	36
12	RSILC: Rotation- and Scale-Invariant, Line-based Color-aware descriptor. Image and Vision Computing, 2015, 42, 1-12.	2.7	35
13	Training Strategies for Radiology Deep Learning Models in Data-limited Scenarios. Radiology: Artificial Intelligence, 2021, 3, e210014.	3.0	35
14	Chest X-ray Image View Classification. , 2015, , .		32
15	Atlas-based rib-bone detection in chest X-rays. Computerized Medical Imaging and Graphics, 2016, 51, 32-39.	3.5	24
16	Comparing deep learning models for population screening using chest radiography. , 2018, , .		24
17	Deep Learning for Grading Cardiomegaly Severity in Chest X-Rays: An Investigation. , 2018, , .		22
18	Foreign object detection in chest X-rays. , 2015, , .		21

#	Article	IF	Citations
19	Automatically Detecting Rotation in Chest Radiographs Using Principal Rib-Orientation Measure for Quality Control. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1557001.	0.7	21
20	Visualizing and explaining deep learning predictions for pneumonia detection in pediatric chest radiographs. , 2019, , .		21
21	Hybrid Automatic Lung Segmentation on Chest CT Scans. IEEE Access, 2020, 8, 73293-73306.	2.6	20
22	A User Interface for Optimizing Radiologist Engagement in Image Data Curation for Artificial Intelligence. Radiology: Artificial Intelligence, 2019, 1, e180095.	3.0	19
23	Performance of a Deep Neural Network Algorithm Based on a Small Medical Image Dataset: Incremental Impact of 3D-to-2D Reformation Combined with Novel Data Augmentation, Photometric Conversion, or Transfer Learning. Journal of Digital Imaging, 2020, 33, 431-438.	1.6	16
24	Adaptive Regularization Parameter for Graph Cut Segmentation. Lecture Notes in Computer Science, 2010, , 117-126.	1.0	16
25	Visualizing abnormalities in chest radiographs through salient network activations in Deep Learning. , 2017, , .		13
26	Multi-class regularization parameter learning for graph cut image segmentation. , 2013, , .		12
27	Lung boundary detection in pediatric chest x-rays. Proceedings of SPIE, 2015, , .	0.8	9
28	Local-global classifier fusion for screening chest radiographs. Proceedings of SPIE, 2017, , .	0.8	9
29	Predicting rate of cognitive decline at baseline using a deep neural network with multidata analysis. Journal of Medical Imaging, 2020, 7, 1.	0.8	9
30	Automatic heart localization and radiographic index computation in chest x-rays. Proceedings of SPIE, 2016, , .	0.8	6
31	Statistical Significance Based Graph Cut Segmentation for Shrinking Bias. Lecture Notes in Computer Science, 2011, , 304-313.	1.0	6
32	Feature fusion using ranking for object tracking in aerial imagery. , 2012, , .		5
33	Region of Interest Detection in Fundus Images Using Deep Learning and Blood Vessel Information. , 2018, , .		5
34	Artificial Intelligence to Assist in Exclusion of Coronary Atherosclerosis During CCTA Evaluation of Chest Pain in the Emergency Department: Preparing an Application for Real-world Use. Journal of Digital Imaging, 2021, 34, 554-571.	1.6	5
35	Predicting Mental Decline Rates in Mild Cognitive Impairment From Baseline MRI Volumetric Data. Alzheimer Disease and Associated Disorders, 2021, 35, 1-7.	0.6	4
36	Feature prominence-based weighting scheme for video tracking. , 2012, , .		3

#	Article	IF	Citations
37	Statistical significance based graph cut regularization for medical image segmentation. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	3
38	A nonparametric statistical approach for stereo correspondence. , 2007, , .		2
39	Rotation Detection in Chest Radiographs Based on Generalized Line Histogram of Rib-Orientations. , 2014, , .		2
40	Novel Method for Storyboarding Biomedical Videos for Medical Informatics. , 2017, , .		0