Bram van Ginneken

List of Publications by Year
in descending order

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418	44,055	4146 87	2571 195
papers	citations	h-index	g-index

428	428	428	35302
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How does artificial intelligence in radiology improve efficiency and health outcomes?. Pediatric Radiology, 2022, 52, 2087-2093.	2.0	59
2	Streaming Convolutional Neural Networks for End-to-End Learning With Multi-Megapixel Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1581-1590.	13.9	28
3	Automated COVID-19 Grading With Convolutional Neural Networks in Computed Tomography Scans: A Systematic Comparison. IEEE Transactions on Artificial Intelligence, 2022, 3, 129-138.	4.7	9
4	Scan-based competing death risk model for re-evaluating lung cancer computed tomography screening eligibility. European Respiratory Journal, 2022, 59, 2101613.	6.7	5
5	Imageâ€based automated Psoriasis Area Severity Index scoring by Convolutional Neural Networks. Journal of the European Academy of Dermatology and Venereology, 2022, 36, 68-75.	2.4	17
6	Diffuse idiopathic skeletal hyperostosis is associated with incident stroke in patients with increased cardiovascular risk. Rheumatology, 2022, 61, 2867-2874.	1.9	9
7	Robust Segmentation Models Using an Uncertainty Slice Sampling-Based Annotation Workflow. IEEE Access, 2022, 10, 4728-4738.	4.2	8
8	Automatic Placenta Localization From Ultrasound Imaging in a Resource-Limited Setting Using a Predefined Ultrasound Acquisition Protocol and Deep Learning. Ultrasound in Medicine and Biology, 2022, 48, 663-674.	1.5	6
9	Automated estimation of total lung volume using chest radiographs and deep learning. Medical Physics, 2022, 49, 4466-4477.	3.0	5
10	The Medical Segmentation Decathlon. Nature Communications, 2022, 13, .	12.8	252
11	Prostate158 - An expert-annotated 3T MRI dataset and algorithm for prostate cancer detection. Computers in Biology and Medicine, 2022, 148, 105817.	7.0	17
12	Automated Assessment of COVID-19 Reporting and Data System and Chest CT Severity Scores in Patients Suspected of Having COVID-19 Using Artificial Intelligence. Radiology, 2021, 298, E18-E28.	7.3	116
13	Lung cancer screening by nodule volume in Lung-RADS v1.1: negative baseline CT yields potential for increased screening interval. European Radiology, 2021, 31, 1956-1968.	4.5	24
14	Anisotropic 3D Multi-Stream CNN for Accurate Prostate Segmentation from Multi-Planar MRI. Computer Methods and Programs in Biomedicine, 2021, 200, 105821.	4.7	32
15	The Potential of Artificial Intelligence to Analyze Chest Radiographs for Signs of COVID-19 Pneumonia. Radiology, 2021, 299, E214-E215.	7.3	12
16	Combining pulmonary and cardiac computed tomography biomarkers for disease-specific risk modelling in lung cancer screening. European Respiratory Journal, 2021, 58, 2003386.	6.7	8
17	Computer-aided diagnosis of masses in breast computed tomography imaging: deep learning model with combined handcrafted and convolutional radiomic features. Journal of Medical Imaging, 2021, 8, 024501.	1.5	5
18	Development and Validation of a Convolutional Neural Network for Automated Detection of Scaphoid Fractures on Conventional Radiographs. Radiology: Artificial Intelligence, 2021, 3, e200260.	5.8	20

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19	Artificial intelligence in radiology: 100 commercially available products and their scientific evidence. European Radiology, 2021, 31, 3797-3804.	4.5	178
20	Artificial intelligence for detection and characterization of pulmonary nodules in lung cancer CT screening: ready for practice?. Translational Lung Cancer Research, 2021, 10, 2378-2388.	2.8	33
21	A Review of Deep Learning in Medical Imaging: Imaging Traits, Technology Trends, Case Studies With Progress Highlights, and Future Promises. Proceedings of the IEEE, 2021, 109, 820-838.	21.3	339
22	Visceral Adipose Tissue and Different Measures of Adiposity in Different Severities of Diffuse Idiopathic Skeletal Hyperostosis. Journal of Personalized Medicine, 2021, 11, 663.	2.5	14
23	Deep learning with robustness to missing data: A novel approach to the detection of COVID-19. PLoS ONE, 2021, 16, e0255301.	2.5	3
24	Deep learning for chest X-ray analysis: A survey. Medical Image Analysis, 2021, 72, 102125.	11.6	196
25	Deep Learning for Malignancy Risk Estimation of Pulmonary Nodules Detected at Low-Dose Screening CT. Radiology, 2021, 300, 438-447.	7.3	65
26	CNN-based lung CT registration with multiple anatomical constraints. Medical Image Analysis, 2021, 72, 102139.	11.6	39
27	Cost-effectiveness of artificial intelligence aided vessel occlusion detection in acute stroke: an early health technology assessment. Insights Into Imaging, 2021, 12, 133.	3.4	23
28	The Association Between Lung Hyperinflation and Coronary Artery Disease in Smokers. Chest, 2021, 160, 858-871.	0.8	7
29	Assisted versus Manual Interpretation of Low-Dose CT Scans for Lung Cancer Screening: Impact on Lung-RADS Agreement. Radiology Imaging Cancer, 2021, 3, e200160.	1.6	9
30	Adversarial attack vulnerability of medical image analysis systems: Unexplored factors. Medical Image Analysis, 2021, 73, 102141.	11.6	35
31	Deep Learning for Lung Cancer Detection on Screening CT Scans: Results of a Large-Scale Public Competition and an Observer Study with 11 Radiologists. Radiology: Artificial Intelligence, 2021, 3, e210027.	5.8	24
32	Stacked Bidirectional Convolutional LSTMs for Deriving 3D Non-Contrast CT From Spatiotemporal 4D CT. IEEE Transactions on Medical Imaging, 2020, 39, 985-996.	8.9	17
33	Disease Progression Modeling in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 294-302.	5.6	56
34	Automated deep-learning system for Gleason grading of prostate cancer using biopsies: a diagnostic study. Lancet Oncology, The, 2020, 21, 233-241.	10.7	407
35	Machine Learning Characterization of COPD Subtypes. Chest, 2020, 157, 1147-1157.	0.8	44
36	Evaluation of a deep learning system for the joint automated detection of diabetic retinopathy and ageâ€related macular degeneration. Acta Ophthalmologica, 2020, 98, 368-377.	1.1	68

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37	Image-level detection of arterial occlusions in 4D-CTA of acute stroke patients using deep learning. Medical Image Analysis, 2020, 66, 101810.	11.6	15
38	BIAS: Transparent reporting of biomedical image analysis challenges. Medical Image Analysis, 2020, 66, 101796.	11.6	59
39	GANs for medical image analysis. Artificial Intelligence in Medicine, 2020, 109, 101938.	6.5	211
40	Fully Automatic Volume Measurement of the Spleen at CT Using Deep Learning. Radiology: Artificial Intelligence, 2020, 2, e190102.	5.8	21
41	Typical CT Features of Intrapulmonary Lymph Nodes: A Review. Radiology: Cardiothoracic Imaging, 2020, 2, e190159.	2.5	8
42	COVID-19 on Chest Radiographs: A Multireader Evaluation of an Artificial Intelligence System. Radiology, 2020, 296, E166-E172.	7.3	167
43	Iterative Augmentation of Visual Evidence for Weakly-Supervised Lesion Localization in Deep Interpretability Frameworks: Application to Color Fundus Images. IEEE Transactions on Medical Imaging, 2020, 39, 3499-3511.	8.9	22
44	ESR/ERS statement paper on lung cancer screening. European Respiratory Journal, 2020, 55, 1900506.	6.7	57
45	Relational Modeling for Robust and Efficient Pulmonary Lobe Segmentation in CT Scans. IEEE Transactions on Medical Imaging, 2020, 39, 2664-2675.	8.9	81
46	A Deep Learning Model for Segmentation of Geographic Atrophy to Study Its Long-Term Natural History. Ophthalmology, 2020, 127, 1086-1096.	5.2	41
47	Cardiomegaly Detection on Chest Radiographs: Segmentation Versus Classification. IEEE Access, 2020, 8, 94631-94642.	4.2	32
48	Computer-aided diagnosis for World Health Organization-defined chest radiograph primary-endpoint pneumonia in children. Pediatric Radiology, 2020, 50, 482-491.	2.0	48
49	Computer aided detection of tuberculosis on chest radiographs: An evaluation of the CAD4TB v6 system. Scientific Reports, 2020, 10, 5492.	3.3	85
50	CO-RADS: A Categorical CT Assessment Scheme for Patients Suspected of Having COVID-19â€"Definition and Evaluation. Radiology, 2020, 296, E97-E104.	7.3	693
51	ESR/ERS statement paper on lung cancer screening. European Radiology, 2020, 30, 3277-3294.	4.5	83
52	Evaluation of computer aided detection of tuberculosis on chest radiography among people with diabetes in Karachi Pakistan. Scientific Reports, 2020, 10, 6276.	3.3	10
53	Immunoglobulin E as a Biomarker for the Overlap of Atopic Asthma and Chronic Obstructive Pulmonary Disease. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 1-12.	0.7	18
54	Feasibility of end-to-end trainable two-stage U-Net for detection of axillary lymph nodes in contrast-enhanced CT based on sparse annotations. , 2020, , .		2

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55	Observer variability for Lung-RADS categorisation of lung cancer screening CTs: impact on patient management. European Radiology, 2019, 29, 924-931.	4.5	46
56	iW-Net: an automatic and minimalistic interactive lung nodule segmentation deep network. Scientific Reports, 2019, 9, 11591.	3.3	52
57	Image Level Training and Prediction: Intracranial Hemorrhage Identification in 3D Non-Contrast CT. IEEE Access, 2019, 7, 92355-92364.	4.2	48
58	Automated chest X-ray reading for tuberculosis in the Philippines to improve case detection: a cohort study. International Journal of Tuberculosis and Lung Disease, 2019, 23, 805-810.	1.2	10
59	Epithelium segmentation using deep learning in H&E-stained prostate specimens with immunohistochemistry as reference standard. Scientific Reports, 2019, 9, 864.	3.3	107
60	Sex Differences in Coronary Artery and Thoracic Aorta Calcification and Their Association With Cardiovascular Mortality in Heavy Smokers. JACC: Cardiovascular Imaging, 2019, 12, 1808-1817.	5.3	25
61	Googleâ€™s lung cancer AI: a promising tool that needs further validation. Nature Reviews Clinical Oncology, 2019, 16, 532-533.	27.6	26
62	Reducing inter-observer variability and interaction time of MR liver volumetry by combining automatic CNN-based liver segmentation and manual corrections. PLoS ONE, 2019, 14, e0217228.	2.5	40
63	The St. Georgeâ€™s Respiratory Questionnaire Definition of Chronic Bronchitis May Be aÂBetter Predictor of COPD Exacerbations Compared With the Classic Definition. Chest, 2019, 156, 685-695.	0.8	40
64	Multiclass Brain Tissue Segmentation in 4D CT Using Convolutional Neural Networks. IEEE Access, 2019, 7, 51557-51569.	4.2	12
65	Predicting all-cause and lung cancer mortality using emphysema score progression rate between baseline and follow-up chest CT images: A comparison of risk model performances. PLoS ONE, 2019, 14, e0212756.	2.5	4
66	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. Nature Genetics, 2019, 51, 494-505.	21.4	257
67	Iterative fully convolutional neural networks for automatic vertebra segmentation and identification. Medical Image Analysis, 2019, 53, 142-155.	11.6	170
68	Intracerebral Haemorrhage Segmentation in Non-Contrast CT. Scientific Reports, 2019, 9, 17858.	3.3	33
69	From Detection of Individual Metastases to Classification of Lymph Node Status at the Patient Level: The CAMELYON17 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 550-560.	8.9	269
70	Automated Fetal Head Detection and Circumference Estimation from Free-Hand Ultrasound Sweeps Using Deep Learning in Resource-Limited Countries. Ultrasound in Medicine and Biology, 2019, 45, 773-785.	1.5	59
71	Predicting Malignancy Risk of Screen-Detected Lung Nodulesâ€“Mean Diameter or Volume. Journal of Thoracic Oncology, 2019, 14, 203-211.	1.1	34
72	Deep Learning for Triage of Chest Radiographs: Should Every Institution Train Its Own System?. Radiology, 2019, 290, 545-546.	7.3	8

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73	Airway wall thickening on CT: Relation to smoking status and severity of COPD. Respiratory Medicine, 2019, 146, 36-41.	2.9	47
74	Integrative Genomics Analysis Identifies ACVR1B as a Candidate Causal Gene of Emphysema Distribution. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 388-398.	2.9	15
75	mlVIRNET: Multilevel Variational Image Registration Network. Lecture Notes in Computer Science, 2019, , 257-265.	1.3	32
76	Handling label noise through model confidence and uncertainty: application to chest radiograph classification. , 2019, , .		9
77	Resolution-agnostic tissue segmentation in whole-slide histopathology images with convolutional neural networks. PeerJ, 2019, 7, e8242.	2.0	39
78	In vivo growth of 60 non-screening detected lung cancers: a computed tomography study. European Respiratory Journal, 2018, 51, 1702183.	6.7	12
79	Automatic Calcium Scoring in Low-Dose Chest CT Using Deep Neural Networks With Dilated Convolutions. IEEE Transactions on Medical Imaging, 2018, 37, 615-625.	8.9	176
80	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline. Chest, 2018, 153, 368-377.	0.8	14
81	Automatic segmentation of the solid core and enclosed vessels in subsolid pulmonary nodules. Scientific Reports, 2018, 8, 646.	3.3	14
82	Lung cancer risk to personalise annual and biennial follow-up computed tomography screening. Thorax, 2018, 73, 626-633.	5.6	33
83	Detection of Subsolid Nodules in Lung Cancer Screening. Investigative Radiology, 2018, 53, 441-449.	6.2	35
84	Efficient organ localization using multi-label convolutional neural networks in thorax-abdomen CT scans. Physics in Medicine and Biology, 2018, 63, 085003.	3.0	29
85	Incidental perifissural nodules on routine chest computed tomography: lung cancer or not?. European Radiology, 2018, 28, 1095-1101.	4.5	28
86	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. Chest, 2018, 153, 65-76.	0.8	36
87	ES01.03 Deep Machine Learning for Screening LDCT. Journal of Thoracic Oncology, 2018, 13, S190.	1.1	0
88	Why rankings of biomedical image analysis competitions should be interpreted with care. Nature Communications, 2018, 9, 5217.	12.8	198
89	Towards an Automatic Lung Cancer Screening System in Low Dose Computed Tomography. Lecture Notes in Computer Science, 2018, , 310-318.	1.3	8
90	MA20.09 Improved Lung Cancer and Mortality Prediction Accuracy Using Survival Models Based on Semi-Automatic CT Image Measurements. Journal of Thoracic Oncology, 2018, 13, S428.	1.1	0

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91	Automatic liver tumor segmentation in CT with fully convolutional neural networks and object-based postprocessing. Scientific Reports, 2018, 8, 15497.	3.3	155
92	Long-Term Active Surveillance of Screening Detected Subsolid Nodules is a Safe Strategy to Reduce Overtreatment. Journal of Thoracic Oncology, 2018, 13, 1454-1463.	1.1	51
93	Brock malignancy risk calculator for pulmonary nodules: validation outside a lung cancer screening population. Thorax, 2018, 73, 857-863.	5.6	36
94	Classification of CT Pulmonary Opacities as Perifissural Nodules: Reader Variability. Radiology, 2018, 288, 867-875.	7.3	40
95	Accuracy of an automated system for tuberculosis detection on chest radiographs in high-risk screening. International Journal of Tuberculosis and Lung Disease, 2018, 22, 567-571.	1.2	24
96	Deep learning approach for the detection and quantification of intraretinal cystoid fluid in multivendor optical coherence tomography. Biomedical Optics Express, 2018, 9, 1545.	2.9	124
97	Comparison Study of Low-Cost Ultrasound Devices for Estimation of Gestational Age in Resource-Limited Countries. Ultrasound in Medicine and Biology, 2018, 44, 2250-2260.	1.5	7
98	Small airway segmentation in thoracic computed tomography scans: a machine learning approach. Physics in Medicine and Biology, 2018, 63, 155024.	3.0	12
99	Automated measurement of fetal head circumference using 2D ultrasound images. PLoS ONE, 2018, 13, e0200412.	2.5	117
100	Computer-assisted chest radiography reading for tuberculosis screening in people living with diabetes mellitus. International Journal of Tuberculosis and Lung Disease, 2018, 22, 1088-1094.	1.2	24
101	Evaluation of the diagnostic accuracy of Computer-Aided Detection of tuberculosis on Chest radiography among private sector patients in Pakistan. Scientific Reports, 2018, 8, 12339.	3.3	45
102	Visual discrimination of screen-detected persistent from transient subsolid nodules: An observer study. PLoS ONE, 2018, 13, e0191874.	2.5	8
103	Using deep convolutional neural networks to identify and classify tumor-associated stroma in diagnostic breast biopsies. Modern Pathology, 2018, 31, 1502-1512.	5.5	145
104	Iterative convolutional neural networks for automatic vertebra identification and segmentation in CT images. , 2018, , .		5
105	Student beats the teacher: deep neural networks for lateral ventricles segmentation in brain MR. , 2018, , .		3
106	Real-Life Artificial Intelligence Applications. Journal of the Belgian Society of Radiology, 2018, 102, .	0.3	1
107	Image Analysis for Moving Organ, Breast, and Thoracic Images. Lecture Notes in Computer Science, 2018, , .	1.3	3
108	Subsolid pulmonary nodule morphology and associated patient characteristics in a routine clinical population. European Radiology, 2017, 27, 689-696.	4.5	16

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109	Discriminating solitary cysts from soft tissue lesions in mammography using a pretrained deep convolutional neural network. Medical Physics, 2017, 44, 1017-1027.	3.0	84
110	Comparison of the effects of model-based iterative reconstruction and filtered back projection algorithms on software measurements in pulmonary subsolid nodules. European Radiology, 2017, 27, 3266-3274.	4.5	17
111	Fast and effective quantification of symmetry in medical images for pathology detection: Application to chest radiography. Medical Physics, 2017, 44, 2242-2256.	3.0	7
112	Fifty years of computer analysis in chest imaging: rule-based, machine learning, deep learning. Radiological Physics and Technology, 2017, 10, 23-32.	1.9	133
113	Deep multi-scale location-aware 3D convolutional neural networks for automated detection of lacunes of presumed vascular origin. NeuroImage: Clinical, 2017, 14, 391-399.	2.7	99
114	Organ detection in thorax abdomen CT using multi-label convolutional neural networks. , 2017, , .		4
115	Automatic cerebrospinal fluid segmentation in non-contrast CT images using a 3D convolutional network. , 2017, , .		3
116	Fovea detection in optical coherence tomography using convolutional neural networks. Proceedings of SPIE, 2017, , .	0.8	0
117	Computed tomography quantification of tracheal abnormalities in COPD and their influence on airflow limitation. Medical Physics, 2017, 44, 3594-3603.	3.0	5
118	Computed tomographic findings in subjects who died from respiratory disease in the National Lung Screening Trial. European Respiratory Journal, 2017, 49, 1601814.	6.7	26
119	Towards automatic pulmonary nodule management in lung cancer screening with deep learning. Scientific Reports, 2017, 7, 46479.	3.3	230
120	Malignancy estimation of Lung-RADS criteria for subsolid nodules on CT: accuracy of low and high risk spectrum when using NLST nodules. European Radiology, 2017, 27, 4672-4679.	4.5	15
121	Fast interactive segmentation of the pulmonary lobes from thoracic computed tomography data. Physics in Medicine and Biology, 2017, 62, 6649-6665.	3.0	11
122	Lung-RADS Category 4X: Does It Improve Prediction of Malignancy in Subsolid Nodules?. Radiology, 2017, 284, 264-271.	7.3	46
123	White Matter and Gray Matter Segmentation in 4D Computed Tomography. Scientific Reports, 2017, 7, 119.	3.3	21
124	Malignancy risk estimation of screen-detected nodules at baseline CT: comparison of the PanCan model, Lung-RADS and NCCN guidelines. European Radiology, 2017, 27, 4019-4029.	4.5	42
125	Robust cranial cavity segmentation in CT and CT perfusion images of trauma and suspected stroke patients. Medical Image Analysis, 2017, 36, 216-228.	11.6	20
126	Use of Volumetry for Lung Nodule Management: Theory and Practice. Radiology, 2017, 284, 630-644.	7.3	111

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127	A survey on deep learning in medical image analysis. Medical Image Analysis, 2017, 42, 60-88.	11.6	7,976
128	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	7.4	2,003
129	Robust Segmentation of the Full Cerebral Vasculature in 4D CT of Suspected Stroke Patients. Scientific Reports, 2017, 7, 15622.	3.3	38
130	Comparison of different methods for tissue segmentation in histopathological whole-slide images. , 2017, , .		29
131	Validation, comparison, and combination of algorithms for automatic detection of pulmonary nodules in computed tomography images: The LUNA16 challenge. Medical Image Analysis, 2017, 42, 1-13.	11.6	710
132	Location Sensitive Deep Convolutional Neural Networks for Segmentation of White Matter Hyperintensities. Scientific Reports, 2017, 7, 5110.	3.3	171
133	The importance of stain normalization in colorectal tissue classification with convolutional networks. , 2017, , .		105
134	Improving airway segmentation in computed tomography using leak detection with convolutional networks. Medical Image Analysis, 2017, 36, 52-60.	11.6	78
135	Large scale deep learning for computer aided detection of mammographic lesions. Medical Image Analysis, 2017, 35, 303-312.	11.6	728
136	Interleaving cerebral CT perfusion with neck CT angiography part I. Proof of concept and accuracy of cerebral perfusion values. European Radiology, 2017, 27, 2649-2656.	4.5	9
137	Interleaving cerebral CT perfusion with neck CT angiography. Part II: clinical implementation and image quality. European Radiology, 2017, 27, 2411-2418.	4.5	12
138	MA 14.11 Malignancy Risk Prediction of Pulmonary Nodule in Lung Cancer Screening â€“ Diameter Or Volumetric Measurement. Journal of Thoracic Oncology, 2017, 12, S1859-S1860.	1.1	0
139	Automated Staging of Age-Related Macular Degeneration Using Optical Coherence Tomography. , 2017, 58, 2318.		93
140	Automatic detection of the foveal center in optical coherence tomography. Biomedical Optics Express, 2017, 8, 5160.	2.9	26
141	Robust total retina thickness segmentation in optical coherence tomography images using convolutional neural networks. Biomedical Optics Express, 2017, 8, 3292.	2.9	106
142	Automatic versus human reading of chest X-rays in the Zambia National Tuberculosis Prevalence Survey. International Journal of Tuberculosis and Lung Disease, 2017, 21, 880-886.	1.2	25
143	Malignancy risk estimation of pulmonary nodules in screening CTs: Comparison between a computer model and human observers. PLoS ONE, 2017, 12, e0185032.	2.5	28
144	Normalized emphysema scores on low dose CT: Validation as an imaging biomarker for mortality. PLoS ONE, 2017, 12, e0188902.	2.5	14

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145	Transfer Learning for Domain Adaptation in MRI: Application in Brain Lesion Segmentation. Lecture Notes in Computer Science, 2017, , 516-524.	1.3	167
146	Context-aware stacked convolutional neural networks for classification of breast carcinomas in whole-slide histopathology images. Journal of Medical Imaging, 2017, 4, 1.	1.5	126
147	A step towards measuring the fetal head circumference with the use of obstetric ultrasound in a low resource setting. Proceedings of SPIE, 2017, , .	0.8	3
148	Combining Automated Image Analysis with Obstetric Sweeps for Prenatal Ultrasound Imaging in Developing Countries. Lecture Notes in Computer Science, 2017, , 105-112.	1.3	2
149	Smokers with emphysema and small airway disease on computed tomography have lower bone density. International Journal of COPD, 2016, 11, 1207.	2.3	15
150	Optimization Strategies for Interactive Classification of Interstitial Lung Disease Textures. Frontiers in ICT, 2016, 3, .	3.6	0
151	The Effect of Supplementary Bone-Suppressed Chest Radiographs on the Assessment of a Variety of Common Pulmonary Abnormalities. Journal of Thoracic Imaging, 2016, 31, 119-125.	1.5	7
152	Automatic differentiation of color fundus images containing drusen or exudates using a contextual spatial pyramid approach. Biomedical Optics Express, 2016, 7, 709.	2.9	8
153	An automated tuberculosis screening strategy combining X-ray-based computer-aided detection and clinical information. Scientific Reports, 2016, 6, 25265.	3.3	100
154	Deep learning as a tool for increased accuracy and efficiency of histopathological diagnosis. Scientific Reports, 2016, 6, 26286.	3.3	764
155	Semi-automatic classification of textures in thoracic CT scans. Physics in Medicine and Biology, 2016, 61, 5906-5924.	3.0	6
156	Fleischner recommendations for the management of subsolid pulmonary nodules: high awareness but limited conformance â€“ a survey study. European Radiology, 2016, 26, 3840-3849.	4.5	28
157	Software performance in segmenting ground-glass and solid components of subsolid nodules in pulmonary adenocarcinomas. European Radiology, 2016, 26, 4465-4474.	4.5	42
158	Follow-up of CT-derived airway wall thickness: Correcting for changes in inspiration level improves reliability. European Journal of Radiology, 2016, 85, 2008-2013.	2.6	8
159	Deep convolutional neural networks for automatic coronary calcium scoring in a screening study with low-dose chest CT. Proceedings of SPIE, 2016, , .	0.8	22
160	Non-uniform patch sampling with deep convolutional neural networks for white matter hyperintensity segmentation. , 2016, , .		41
161	The effect of late-phase contrast enhancement on semi-automatic software measurements of CT attenuation and volume of part-solid nodules in lung adenocarcinomas. European Journal of Radiology, 2016, 85, 1174-1180.	2.6	15
162	Guest Editorial Deep Learning in Medical Imaging: Overview and Future Promise of an Exciting New Technique. IEEE Transactions on Medical Imaging, 2016, 35, 1153-1159.	8.9	1,261

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163	Content-Based Image Retrieval by Metric Learning From Radiology Reports: Application to Interstitial Lung Diseases. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 281-292.	6.3	33
164	Pulmonary Nodule Detection in CT Images: False Positive Reduction Using Multi-View Convolutional Networks. IEEE Transactions on Medical Imaging, 2016, 35, 1160-1169.	8.9	926
165	Computer Vision Tool and Technician as First Reader of Lung Cancer Screening CT Scans. Journal of Thoracic Oncology, 2016, 11, 709-717.	1.1	30
166	Computer-aided detection of pulmonary nodules: a comparative study using the public LIDC/IDRI database. European Radiology, 2016, 26, 2139-2147.	4.5	87
167	Fast Convolutional Neural Network Training Using Selective Data Sampling: Application to Hemorrhage Detection in Color Fundus Images. IEEE Transactions on Medical Imaging, 2016, 35, 1273-1284.	8.9	335
168	Automatic detection of pleural effusion in chest radiographs. Medical Image Analysis, 2016, 28, 22-32.	11.6	31
169	On Combining Multiple-Instance Learning and Active Learning for Computer-Aided Detection of Tuberculosis. IEEE Transactions on Medical Imaging, 2016, 35, 1013-1024.	8.9	45
170	Normalizing computed tomography data reconstructed with different filter kernels: effect on emphysema quantification. European Radiology, 2016, 26, 478-486.	4.5	52
171	Quantitative Dose Dependency Analysis of Whole-Brain CT Perfusion Imaging. Radiology, 2016, 278, 190-197.	7.3	22
172	A 4D CT digital phantom of an individual human brain for perfusion analysis. PeerJ, 2016, 4, e2683.	2.0	3
173	Screening for pulmonary tuberculosis in a Tanzanian prison and computer-aided interpretation of chest X-rays. Public Health Action, 2015, 5, 249-254.	1.2	19
174	Automatic detection of large pulmonary solid nodules in thoracic CT images. Medical Physics, 2015, 42, 5642-5653.	3.0	109
175	Automated chest-radiography as a triage for Xpert testing in resource-constrained settings: a prospective study of diagnostic accuracy and costs. Scientific Reports, 2015, 5, 12215.	3.3	54
176	Observer Variability for Classification of Pulmonary Nodules on Low-Dose CT Images and Its Effect on Nodule Management. Radiology, 2015, 277, 863-871.	7.3	145
177	Parametric Response Mapping Adds Value to Current Computed Tomography Biomarkers in Diagnosing Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1084-1086.	5.6	28
178	Automatic Detection of Tuberculosis in Chest Radiographs Using a Combination of Textural, Focal, and Shape Abnormality Analysis. IEEE Transactions on Medical Imaging, 2015, 34, 2429-2442.	8.9	62
179	Automatic detection of spiculation of pulmonary nodules in computed tomography images. , 2015, , .		2
180	Computer-aided detection of lung cancer: combining pulmonary nodule detection systems with a tumor risk prediction model. Proceedings of SPIE, 2015, , .	0.8	2

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181	Robust semi-automatic segmentation of pulmonary subsolid nodules in chest computed tomography scans. Physics in Medicine and Biology, 2015, 60, 1307-1323.	3.0	61
182	Airway wall thickness associated with forced expiratory volume in 1 second decline and development of airflow limitation. European Respiratory Journal, 2015, 45, 644-651.	6.7	50
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