

Jayashree Kalpathy-Cramer

List of Publications by Citations

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159
papers

9,626
citations

38
h-index

97
g-index

180
ext. papers

12,927
ext. citations

4.7
avg, IF

5.7
L-index

#	Paper	IF	Citations
159	3D Slicer as an image computing platform for the Quantitative Imaging Network. <i>Magnetic Resonance Imaging</i> , 2012 , 30, 1323-41	3.3	2965
158	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 1993-2024	11.7	2132
157	Improved tumor oxygenation and survival in glioblastoma patients who show increased blood perfusion after cediranib and chemoradiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19059-64	11.5	266
156	Automated Diagnosis of Plus Disease in Retinopathy of Prematurity Using Deep Convolutional Neural Networks. <i>JAMA Ophthalmology</i> , 2018 , 136, 803-810	3.9	246
155	Consensus recommendations for a standardized Brain Tumor Imaging Protocol in clinical trials. <i>Neuro-Oncology</i> , 2015 , 17, 1188-98	1	224
154	Residual Convolutional Neural Network for the Determination of Status in Low- and High-Grade Gliomas from MR Imaging. <i>Clinical Cancer Research</i> , 2018 , 24, 1073-1081	12.9	189
153	Radiomics in Brain Tumor: Image Assessment, Quantitative Feature Descriptors, and Machine-Learning Approaches. <i>American Journal of Neuroradiology</i> , 2018 , 39, 208-216	4.4	176
152	Nomogram for predicting the benefit of adjuvant chemoradiotherapy for resected gallbladder cancer. <i>Journal of Clinical Oncology</i> , 2011 , 29, 4627-32	2.2	154
151	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. <i>Radiology</i> , 2019 , 291, 781-791	20.5	148
150	The RSNA Pediatric Bone Age Machine Learning Challenge. <i>Radiology</i> , 2019 , 290, 498-503	20.5	144
149	Distributed deep learning networks among institutions for medical imaging. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 945-954	8.6	137
148	Quantitative imaging biomarkers: a review of statistical methods for computer algorithm comparisons. <i>Statistical Methods in Medical Research</i> , 2015 , 24, 68-106	2.3	99
147	Advanced magnetic resonance imaging of the physical processes in human glioblastoma. <i>Cancer Research</i> , 2014 , 74, 4622-4637	10.1	97
146	Variations of dynamic contrast-enhanced magnetic resonance imaging in evaluation of breast cancer therapy response: a multicenter data analysis challenge. <i>Translational Oncology</i> , 2014 , 7, 153-66	4.9	93
145	Evaluating performance of biomedical image retrieval systems--an overview of the medical image retrieval task at ImageCLEF 2004-2013. <i>Computerized Medical Imaging and Graphics</i> , 2015 , 39, 55-61	7.6	82
144	Radiomics of Lung Nodules: A Multi-Institutional Study of Robustness and Agreement of Quantitative Imaging Features. <i>Tomography</i> , 2016 , 2, 430-437	3.1	79
143	NIMG-09. CHARACTERIZING GLIOMA MICROENVIRONMENT WITH ULTRA-HIGH GRADIENT DIFFUSION MRI. <i>Neuro-Oncology</i> , 2017 , 19, vi144-vi144	1	78

142	Automatic assessment of glioma burden: a deep learning algorithm for fully automated volumetric and bidimensional measurement. <i>Neuro-Oncology</i> , 2019 , 21, 1412-1422	1	76
141	Computer-Based Image Analysis for Plus Disease Diagnosis in Retinopathy of Prematurity: Performance of the "i-ROP" System and Image Features Associated With Expert Diagnosis. <i>Translational Vision Science and Technology</i> , 2015 , 4, 5	3.3	76
140	Expert Diagnosis of Plus Disease in Retinopathy of Prematurity From Computer-Based Image Analysis. <i>JAMA Ophthalmology</i> , 2016 , 134, 651-7	3.9	68
139	Beyond mean pharyngeal constrictor dose for beam path toxicity in non-target swallowing muscles: Dose-volume correlates of chronic radiation-associated dysphagia (RAD) after oropharyngeal intensity modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2016 , 118, 304-14	5.3	63
138	Standard chemoradiation for glioblastoma results in progressive brain volume loss. <i>Neurology</i> , 2015 , 85, 683-91	6.5	56
137	Quantitative Imaging Network: Data Sharing and Competitive Algorithm Validation Leveraging The Cancer Imaging Archive. <i>Translational Oncology</i> , 2014 , 7, 147-52	4.9	53
136	Evaluation of a deep learning image assessment system for detecting severe retinopathy of prematurity. <i>British Journal of Ophthalmology</i> , 2018 ,	5.5	53
135	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge. <i>Tomography</i> , 2016 , 2, 56-66	3.1	51
134	A Comparison of Lung Nodule Segmentation Algorithms: Methods and Results from a Multi-institutional Study. <i>Journal of Digital Imaging</i> , 2016 , 29, 476-87	5.3	50
133	PROSTATEx Challenges for computerized classification of prostate lesions from multiparametric magnetic resonance images. <i>Journal of Medical Imaging</i> , 2018 , 5, 044501	2.6	48
132	Automated Assessment and Tracking of COVID-19 Pulmonary Disease Severity on Chest Radiographs using Convolutional Siamese Neural Networks. <i>Radiology: Artificial Intelligence</i> , 2020 , 2, e200079	8.7	48
131	Accuracy, repeatability, and interplatform reproducibility of T quantification methods used for DCE-MRI: Results from a multicenter phantom study. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2564-2574	7.4	48
130	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017 , 131, 603-610	4.8	47
129	Plus Disease in Retinopathy of Prematurity: A Continuous Spectrum of Vascular Abnormality as a Basis of Diagnostic Variability. <i>Ophthalmology</i> , 2016 , 123, 2338-2344	7.3	45
128	Challenges Related to Artificial Intelligence Research in Medical Imaging and the Importance of Image Analysis Competitions. <i>Radiology: Artificial Intelligence</i> , 2019 , 1, e180031	8.7	44
127	Monitoring Disease Progression With a Quantitative Severity Scale for Retinopathy of Prematurity Using Deep Learning. <i>JAMA Ophthalmology</i> , 2019 ,	3.9	43
126	Statistical issues in the comparison of quantitative imaging biomarker algorithms using pulmonary nodule volume as an example. <i>Statistical Methods in Medical Research</i> , 2015 , 24, 107-40	2.3	43
125	Plus Disease in Retinopathy of Prematurity: Improving Diagnosis by Ranking Disease Severity and Using Quantitative Image Analysis. <i>Ophthalmology</i> , 2016 , 123, 2345-2351	7.3	43

124	Quality assurance assessment of diagnostic and radiation therapy-simulation CT image registration for head and neck radiation therapy: anatomic region of interest-based comparison of rigid and deformable algorithms. <i>Radiology</i> , 2015 , 274, 752-63	20.5	42
123	Construction of a Machine Learning Dataset through Collaboration: The RSNA 2019 Brain CT Hemorrhage Challenge. <i>Radiology: Artificial Intelligence</i> , 2020 , 2, e190211	8.7	39
122	Consensus recommendations for a dynamic susceptibility contrast MRI protocol for use in high-grade gliomas. <i>Neuro-Oncology</i> , 2020 , 22, 1262-1275	1	38
121	The ImageCLEFmed medical image retrieval task test collection. <i>Journal of Digital Imaging</i> , 2009 , 22, 648-55	5.3	38
120	Introduction to Machine Learning, Neural Networks, and Deep Learning. <i>Translational Vision Science and Technology</i> , 2020 , 9, 14	3.3	35
119	Intravoxel incoherent motion imaging kinetics during chemoradiotherapy for human papillomavirus-associated squamous cell carcinoma of the oropharynx: preliminary results from a prospective pilot study. <i>NMR in Biomedicine</i> , 2015 , 28, 1645-54	4.4	34
118	The RSNA International COVID-19 Open Radiology Database (RICORD). <i>Radiology</i> , 2021 , 299, E204-E213	20.5	34
117	Repeatability of Cerebral Perfusion Using Dynamic Susceptibility Contrast MRI in Glioblastoma Patients. <i>Translational Oncology</i> , 2015 , 8, 137-46	4.9	33
116	Automated Fundus Image Quality Assessment in Retinopathy of Prematurity Using Deep Convolutional Neural Networks. <i>Ophthalmology Retina</i> , 2019 , 3, 444-450	3.8	31
115	Siamese neural networks for continuous disease severity evaluation and change detection in medical imaging. <i>Npj Digital Medicine</i> , 2020 , 3, 48	15.7	31
114	A Quantitative Severity Scale for Retinopathy of Prematurity Using Deep Learning to Monitor Disease Regression After Treatment. <i>JAMA Ophthalmology</i> , 2019 ,	3.9	31
113	CM-101: Type I Collagen-targeted MR Imaging Probe for Detection of Liver Fibrosis. <i>Radiology</i> , 2018 , 287, 581-589	20.5	31
112	Overview of the ImageCLEFmed 2008 Medical Image Retrieval Task. <i>Lecture Notes in Computer Science</i> , 2009 , 512-522	0.9	28
111	Segmentation and Classification in Digital Pathology for Glioma Research: Challenges and Deep Learning Approaches. <i>Frontiers in Neuroscience</i> , 2020 , 14, 27	5.1	27
110	Bevacizumab Reduces Permeability and Concurrent Temozolomide Delivery in a Subset of Patients with Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , 2020 , 26, 206-212	12.9	27
109	Multimodality imaging and mathematical modelling of drug delivery to glioblastomas. <i>Interface Focus</i> , 2016 , 6, 20160039	3.9	25
108	Multisite Concordance of DSC-MRI Analysis for Brain Tumors: Results of a National Cancer Institute Quantitative Imaging Network Collaborative Project. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1008-1016	4.4	25
107	Improving Automated Pediatric Bone Age Estimation Using Ensembles of Models from the 2017 RSNA Machine Learning Challenge. <i>Radiology: Artificial Intelligence</i> , 2019 , 1, e190053	8.7	24

106	Plus disease diagnosis in retinopathy of prematurity: vascular tortuosity as a function of distance from optic disk. <i>Retina</i> , 2013 , 33, 1700-7	3.6	22
105	Machine Learning Models can Detect Aneurysm Rupture and Identify Clinical Features Associated with Rupture. <i>World Neurosurgery</i> , 2019 , 131, e46-e51	2.1	20
104	Multi-Institutional Assessment and Crowdsourcing Evaluation of Deep Learning for Automated Classification of Breast Density. <i>Journal of the American College of Radiology</i> , 2020 , 17, 1653-1662	3.5	20
103	Assessing the (Un)Trustworthiness of Saliency Maps for Localizing Abnormalities in Medical Imaging		19
102	CoVA: An Acuity Score for Outpatient Screening that Predicts Coronavirus Disease 2019 Prognosis. <i>Journal of Infectious Diseases</i> , 2021 , 223, 38-46	7	18
101	Accounting for data variability in multi-institutional distributed deep learning for medical imaging. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 700-708	8.6	17
100	Chronic radiation-associated dysphagia in oropharyngeal cancer survivors: Towards age-adjusted dose constraints for deglutitive muscles. <i>Clinical and Translational Radiation Oncology</i> , 2019 , 18, 16-22	4.6	17
99	Multisite concordance of apparent diffusion coefficient measurements across the NCI Quantitative Imaging Network. <i>Journal of Medical Imaging</i> , 2018 , 5, 011003	2.6	16
98	Accuracy and Reliability of Eye-Based vs Quadrant-Based Diagnosis of Plus Disease in Retinopathy of Prematurity. <i>JAMA Ophthalmology</i> , 2018 , 136, 648-655	3.9	15
97	Towards Generation, Management, and Exploration of Combined Radiomics and Pathomics Datasets for Cancer Research. <i>AMIA Summits on Translational Science Proceedings</i> , 2017 , 2017, 85-94	1.1	15
96	Democratizing AI. <i>Journal of the American College of Radiology</i> , 2019 , 16, 961-963	3.5	14
95	Implementation and Validation of a Three-dimensional Cardiac Motion Estimation Network. <i>Radiology: Artificial Intelligence</i> , 2019 , 1, e180080	8.7	14
94	Low incidence of pseudoprogression by imaging in newly diagnosed glioblastoma patients treated with cediranib in combination with chemoradiation. <i>Oncologist</i> , 2014 , 19, 75-81	5.7	14
93	An interactive tool for individualized estimation of conditional survival in rectal cancer. <i>Annals of Surgical Oncology</i> , 2011 , 18, 1547-52	3.1	14
92	Creating a classification of image types in the medical literature for visual categorization 2012 ,		14
91	Evaluating Multisite rCBV Consistency from DSC-MRI Imaging Protocols and Postprocessing Software Across the NCI Quantitative Imaging Network Sites Using a Digital Reference Object (DRO). <i>Tomography</i> , 2019 , 5, 110-117	3.1	14
90	Assessing the Trustworthiness of Saliency Maps for Localizing Abnormalities in Medical Imaging. <i>Radiology: Artificial Intelligence</i> , 2021 , 3, e200267	8.7	14
89	Magnetic resonance imaging of swallowing-related structures in nasopharyngeal carcinoma patients receiving IMRT: Longitudinal dose-response characterization of quantitative signal kinetics. <i>Radiotherapy and Oncology</i> , 2016 , 118, 315-22	5.3	14

88	Prospective assessment of an atlas-based intervention combined with real-time software feedback in contouring lymph node levels and organs-at-risk in the head and neck: Quantitative assessment of conformance to expert delineation. <i>Practical Radiation Oncology</i> , 2013 , 3, 186-193	2.8	13
87	Multimodal medical image retrieval 2010 ,		13
86	Prognostic value of pretherapy platelet elevation in oropharyngeal cancer patients treated with chemoradiation. <i>International Journal of Cancer</i> , 2016 , 138, 1290-7	7.5	13
85	Evaluation of artificial intelligence-based telemedicine screening for retinopathy of prematurity. <i>Journal of AAPOS</i> , 2020 , 24, 160-162	1.3	12
84	Contour-based shape representation using principal curves. <i>Pattern Recognition</i> , 2013 , 46, 1140-1150	7.7	12
83	Level Sets for Retinal Vasculature Segmentation Using Seeds from Ridges and Edges from Phase Maps 2012 , 1-6		12
82	Radiomics Repeatability Pitfalls in a Scan-Rescan MRI Study of Glioblastoma. <i>Radiology: Artificial Intelligence</i> , 2021 , 3, e190199	8.7	12
81	Classification and comparison via neural networks. <i>Neural Networks</i> , 2019 , 118, 65-80	9.1	11
80	Aggressive Posterior Retinopathy of Prematurity: Clinical and Quantitative Imaging Features in a Large North American Cohort. <i>Ophthalmology</i> , 2020 , 127, 1105-1112	7.3	11
79	Semi-automated pulmonary nodule interval segmentation using the NLST data. <i>Medical Physics</i> , 2018 , 45, 1093-1107	4.4	11
78	Field of View Normalization in Multi-Site Brain MRI. <i>Neuroinformatics</i> , 2018 , 16, 431-444	3.2	11
77	Computational Challenges and Collaborative Projects in the NCI Quantitative Imaging Network. <i>Tomography</i> , 2016 , 2, 242-249	3.1	11
76	Medical Image Retrieval and Automated Annotation: OHSU at ImageCLEF 2006. <i>Lecture Notes in Computer Science</i> , 2007 , 660-669	0.9	11
75	Automated assessment of COVID-19 pulmonary disease severity on chest radiographs using convolutional Siamese neural networks 2020 ,		11
74	DeepNeuro: an open-source deep learning toolbox for neuroimaging. <i>Neuroinformatics</i> , 2021 , 19, 127-140	3.2	11
73	Automatic image modality based classification and annotation to improve medical image retrieval. <i>Studies in Health Technology and Informatics</i> , 2007 , 129, 1334-8	0.5	11
72	Development of a software for quantitative evaluation radiotherapy target and organ-at-risk segmentation comparison. <i>Journal of Digital Imaging</i> , 2014 , 27, 108-19	5.3	10
71	Effectiveness of Global Features for Automatic Medical Image Classification and Retrieval - the experiences of OHSU at ImageCLEFmed. <i>Pattern Recognition Letters</i> , 2008 , 29, 2032-2038	4.7	10

70	Target Contour Testing/Instructional Computer Software (TaCTICS): A Novel Training and Evaluation Platform for Radiotherapy Target Delineation 2010 , 2010, 361-5	0.7	10
69	The RSNA Pulmonary Embolism CT Dataset. <i>Radiology: Artificial Intelligence</i> , 2021 , 3, e200254	8.7	10
68	Plus Disease in Retinopathy of Prematurity: Convolutional Neural Network Performance Using a Combined Neural Network and Feature Extraction Approach. <i>Translational Vision Science and Technology</i> , 2020 , 9, 10	3.3	9
67	Standard chemoradiation in combination with VEGF targeted therapy for glioblastoma results in progressive gray and white matter volume loss. <i>Neuro-Oncology</i> , 2018 , 20, 289-291	1	9
66	Structure-based level set method for automatic retinal vasculature segmentation. <i>Eurasip Journal on Image and Video Processing</i> , 2014 , 2014,	2.5	9
65	Individualized estimation of conditional survival for patients with head and neck cancer. <i>Otolaryngology - Head and Neck Surgery</i> , 2011 , 145, 71-3	5.5	9
64	Analysis of Stroke Detection during the COVID-19 Pandemic Using Natural Language Processing of Radiology Reports. <i>American Journal of Neuroradiology</i> , 2021 , 42, 429-434	4.4	9
63	Evaluation of a Deep Learning-Derived Quantitative Retinopathy of Prematurity Severity Scale. <i>Ophthalmology</i> , 2021 , 128, 1070-1076	7.3	9
62	Right Ventricular Strain Is Common in Intubated COVID-19 Patients and Does Not Reflect Severity of Respiratory Illness. <i>Journal of Intensive Care Medicine</i> , 2021 , 36, 900-909	3.3	9
61	Plus Disease in Retinopathy of Prematurity: Diagnostic Trends in 2016 Versus 2007. <i>American Journal of Ophthalmology</i> , 2017 , 176, 70-76	4.9	8
60	A prospective in silico analysis of interdisciplinary and interobserver spatial variability in post-operative target delineation of high-risk oral cavity cancers: Does physician specialty matter?. <i>Clinical and Translational Radiation Oncology</i> , 2018 , 12, 40-46	4.6	8
59	Parametric survival models for predicting the benefit of adjuvant chemoradiotherapy in gallbladder cancer 2010 , 2010, 847-51	0.7	8
58	A pilot prospective feasibility study of organ-at-risk definition using Target Contour Testing/Instructional Computer Software (TaCTICS), a training and evaluation platform for radiotherapy target delineation 2011 , 2011, 654-63	0.7	8
57	Deep Learning for Image Quality Assessment of Fundus Images in Retinopathy of Prematurity 2018 , 2018, 1224-1232	0.7	8
56	Applications of Artificial Intelligence for Retinopathy of Prematurity Screening. <i>Pediatrics</i> , 2021 , 147,	7.4	8
55	Putting the Content Into Context. <i>International Journal of Healthcare Information Systems and Informatics</i> , 2009 , 4, 88-98	1.1	7
54	Probing tumor microenvironment in patients with newly diagnosed glioblastoma during chemoradiation and adjuvant temozolomide with functional MRI. <i>Scientific Reports</i> , 2018 , 8, 17062	4.9	7
53	Deep Learning for the Diagnosis of Stage in Retinopathy of Prematurity: Accuracy and Generalizability across Populations and Cameras. <i>Ophthalmology Retina</i> , 2021 , 5, 1027-1035	3.8	7

52	Web based tools for visualizing imaging data and development of XNATView, a zero footprint image viewer. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 53	3.9	6
51	Improvement and Multi-Population Generalizability of a Deep Learning-Based Chest Radiograph Severity Score for COVID-19 2020 ,		6
50	Kinetic Analysis of Lesions Identified on a Rapid Abridged Multiphase (RAMP) Breast MRI Protocol. <i>Academic Radiology</i> , 2020 , 27, 672-681	4.3	6
49	Quantitative Imaging Informatics for Cancer Research. <i>JCO Clinical Cancer Informatics</i> , 2020 , 4, 444-453	5.2	5
48	Accurate determination of imaging modality using an ensemble of text- and image-based classifiers. <i>Journal of Digital Imaging</i> , 2012 , 25, 37-42	5.3	5
47	Sequential neural networks for biologically informed glioma segmentation 2018 ,		5
46	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge, Part II. <i>Tomography</i> , 2019 , 5, 99-109	3.1	5
45	The ImageCLEF Medical Retrieval Task at ICPR 2010 – Information Fusion to Combine Visual and Textual Information. <i>Lecture Notes in Computer Science</i> , 2010 , 99-108	0.9	5
44	Multi-Radiologist User Study for Artificial Intelligence-Guided Grading of COVID-19 Lung Disease Severity on Chest Radiographs. <i>Academic Radiology</i> , 2021 , 28, 572-576	4.3	5
43	Quantitative tumor heterogeneity MRI profiling improves machine learning-based prognostication in patients with metastatic colon cancer. <i>European Radiology</i> , 2021 , 31, 5759-5767	8	5
42	DeepStrain: A Deep Learning Workflow for the Automated Characterization of Cardiac Mechanics. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 730316	5.4	5
41	Evaluation of Simulated Lesions as Surrogates to Clinical Lesions for Thoracic CT Volumetry: The Results of an International Challenge. <i>Academic Radiology</i> , 2019 , 26, e161-e173	4.3	4
40	Quantitative assessment of target delineation variability for thymic cancers: Agreement evaluation of a prospective segmentation challenge. <i>Journal of Radiation Oncology</i> , 2016 , 5, 55-61	0.7	4
39	Retinal vasculature segmentation using principal spanning forests 2012 ,		4
38	Comparing the quality of accessing medical literature using content-based visual and textual information retrieval 2009 ,		4
37	Multimodal Medical Image Retrieval OHSU at ImageCLEF 2008. <i>Lecture Notes in Computer Science</i> , 2009 , 744-751	0.9	4
36	Variability in Plus Disease Identified Using a Deep Learning-Based Retinopathy of Prematurity Severity Scale. <i>Ophthalmology Retina</i> , 2020 , 4, 1016-1021	3.8	4
35	Deep Learning-Based Automatic Tumor Burden Assessment of Pediatric High-Grade Gliomas, Medulloblastomas, and Other Leptomeningeal Seeding Tumors. <i>Neuro-Oncology</i> , 2021 ,	1	4

34	In the Era of Deep Learning, Why Reconstruct an Image at All?. <i>Journal of the American College of Radiology</i> , 2021 , 18, 170-173	3.5	4
33	Severity of Chest Imaging is Correlated with Risk of Acute Neuroimaging Findings among Patients with COVID-19. <i>American Journal of Neuroradiology</i> , 2021 , 42, 831-837	4.4	4
32	MRI Simulation Study Investigating Effects of Vessel Topology, Diffusion, and Susceptibility on Transverse Relaxation Rates Using a Cylinder Fork Model. <i>Scientific Reports</i> , 2017 , 7, 16223	4.9	3
31	Experiences from the ImageCLEF Medical Retrieval and Annotation Tasks. <i>The Kluwer International Series on Information Retrieval</i> , 2019 , 231-250	0.7	3
30	Using medline queries to generate image retrieval tasks for benchmarking. <i>Studies in Health Technology and Informatics</i> , 2008 , 136, 523-8	0.5	3
29	An quality assurance study of contouring target volumes in thoracic tumors within a cooperative group setting. <i>Clinical and Translational Radiation Oncology</i> , 2019 , 15, 83-92	4.6	2
28	Upsampling dynamic contrast enhanced MRI 2015 ,		2
27	Auto-segmentation of the brachial plexus assessed with TaCTICS - a software platform for rapid multiple-metric quantitative evaluation of contours. <i>Acta Oncologica</i> , 2015 , 54, 557-60	3.2	2
26	Exercise-induced calf muscle hyperemia: Rapid mapping of magnetic resonance imaging using deep learning approach. <i>Physiological Reports</i> , 2020 , 8, e14563	2.6	2
25	Deepfakes in Ophthalmology. <i>Ophthalmology Science</i> , 2021 , 1, 100079		2
24	A Fully Automated Deep Learning Pipeline for Multi-Vertebral Level Quantification and Characterization of Muscle and Adipose Tissue on Chest CT Scans.. <i>Radiology: Artificial Intelligence</i> , 2022 , 4, e210080	8.7	2
23	Vascular dysfunction promotes regional hypoxia after bevacizumab therapy in recurrent glioblastoma patients. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa157	0.9	2
22	Prolonged Intubation in Patients With Prior Cerebrovascular Disease and COVID-19. <i>Frontiers in Neurology</i> , 2021 , 12, 642912	4.1	2
21	Artificial intelligence applied to musculoskeletal oncology: a systematic review. <i>Skeletal Radiology</i> , 2021 , 1	2.7	2
20	SPIE-AAPM-NCI BreastPathQ challenge: an image analysis challenge for quantitative tumor cellularity assessment in breast cancer histology images following neoadjuvant treatment. <i>Journal of Medical Imaging</i> , 2021 , 8, 034501	2.6	2
19	The ImageCLEF Medical Retrieval Task at ICPR 2010 <i>Information Fusion</i> 2010 ,		1
18	2010 ,		1
17	Survival prediction models for estimating the benefit of post-operative radiation therapy for gallbladder cancer and lung cancer 2008 , 348-52	0.7	1

16	Radiology Implementation Considerations for Artificial Intelligence (AI) Applied to COVID-19, From the Special Series on AI Applications. <i>American Journal of Roentgenology</i> , 2021 ,	5.4	1
15	MR spectroscopic imaging predicts early response to anti-angiogenic therapy in recurrent glioblastoma. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab060	0.9	1
14	Basic Artificial Intelligence Techniques: Evaluation of Artificial Intelligence Performance. <i>Radiologic Clinics of North America</i> , 2021 , 59, 941-954	2.3	0
13	Using Media Fusion and Domain Dimensions to Improve Precision in Medical Image Retrieval. <i>Lecture Notes in Computer Science</i> , 2010 , 223-230	0.9	0
12	Toward a severity index for ROP: An unsupervised approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 1312-1315	0.9	0
11	Reply. <i>Ophthalmology</i> , 2018 , 125, e86	7.3	0
10	RSNA-MICCAI Panel Discussion: Machine Learning for Radiology from Challenges to Clinical Applications. <i>Radiology: Artificial Intelligence</i> , 2021 , 3, e210118	8.7	0
9	Automated tracking of emergency department abdominal CT findings during the COVID-19 pandemic using natural language processing. <i>American Journal of Emergency Medicine</i> , 2021 , 49, 52-57	2.9	0
8	Interpretable Machine Learning for the Prediction of Amputation Risk Following Lower Extremity Infrainguinal Endovascular Interventions for Peripheral Arterial Disease.. <i>CardioVascular and Interventional Radiology</i> , 2022 , 1	2.7	0
7	NIMG-05. ADVANCED IMAGING TO ASSESS LONGITUDINAL VASCULAR CHANGES IN BRAIN METASTASES TREATED WITH CHECKPOINT INHIBITION. <i>Neuro-Oncology</i> , 2020 , 22, ii147-ii147	1	
6	Improved training efficiency for retinopathy of prematurity deep learning models using comparison versus class labels. <i>Ophthalmology Science</i> , 2022 , 100122		
5	Radiomics and Radiogenomics with Deep Learning in Neuro-oncology. <i>Lecture Notes in Computer Science</i> , 2020 , 199-211	0.9	
4	Segmentation and Other Image Operations 2021 , 1-20		
3	NIMG-22. MRI CHANGES IN NEWLY DIAGNOSED GLIOBLASTOMA DURING CHEMORADIATION AND ADJUVANT TEMOZOLOMIDE. <i>Neuro-Oncology</i> , 2016 , 18, vi128-vi129	1	
2	NIMG-42. PENETRATION OF RADIOLABELED TEMOZOLOMIDE CORRELATES WITH CONTRAST ENHANCEMENT IN PATIENTS WITH RECURRENT GBM TREATED WITH BEVACIZUMAB. <i>Neuro-Oncology</i> , 2016 , 18, vi133-vi133	1	
1	Retrieving similar cases from the medical literature - the ImageCLEF experience. <i>Studies in Health Technology and Informatics</i> , 2010 , 160, 1189-93	0.5	