Yaorong Ge

List of Publications by Year
in descending order

44 papers	1,708 citations	394421 19 h-index	302126 39 g-index
50 all docs	50 docs citations	50 times ranked	2290 citing authors

#	Article	IF	Citations
1	Comorbidity Clusters in Autism Spectrum Disorders: An Electronic Health Record Time-Series Analysis. Pediatrics, 2014, 133, e54-e63.	2.1	302
2	A planning quality evaluation tool for prostate adaptive IMRT based on machine learning. Medical Physics, 2011, 38, 719-726.	3.0	274
3	Quantitative analysis of the factors which affect the interpatient organ‐at‐risk dose sparing variation in IMRT plans. Medical Physics, 2012, 39, 6868-6878.	3.0	227
4	Knowledge‐based planning for intensity‐modulated radiation therapy: A review of data‐driven approaches. Medical Physics, 2019, 46, 2760-2775.	3.0	140
5	Modeling the dosimetry of organ‐at‐risk in head and neck IMRT planning: An intertechnique and interinstitutional study. Medical Physics, 2013, 40, 121704.	3.0	85
6	Scalable Collaborative Infrastructure for a Learning Healthcare System (SCILHS): Architecture. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 615-620.	4.4	76
7	Machine learning and modeling: Data, validation, communication challenges. Medical Physics, 2018, 45, e834-e840.	3.0	67
8	Computing the Centerline of a Colon: A Robust and Efficient Method Based on 3D Skeletons. Journal of Computer Assisted Tomography, 1999, 23, 786-794.	0.9	49
9	Prevalence of Inflammatory Bowel Disease Among Patients with Autism Spectrum Disorders. Inflammatory Bowel Diseases, 2015, 21, 1.	1.9	33
10	An Ensemble Approach to Knowledge-Based Intensity-Modulated Radiation Therapy Planning. Frontiers in Oncology, 2018, 8, 57.	2.8	30
11	Accurately Differentiating Between Patients With COVID-19, Patients With Other Viral Infections, and Healthy Individuals: Multimodal Late Fusion Learning Approach. Journal of Medical Internet Research, 2021, 23, e25535.	4.3	30
12	Fluence Map Prediction Using Deep Learning Models – Direct Plan Generation for Pancreas Stereotactic Body Radiation Therapy. Frontiers in Artificial Intelligence, 2020, 3, 68.	3.4	29
13	A Multimodality Machine Learning Approach to Differentiate Severe and Nonsevere COVID-19: Model Development and Validation. Journal of Medical Internet Research, 2021, 23, e23948.	4.3	27
14	Retrospective Registration of PET and MR Brain Images. Journal of Computer Assisted Tomography, 1994, 18, 800-810.	0.9	24
15	Diagnostic Value of Coronary Artery Calcium Score for Cardiovascular Disease in African Americans: The Jackson Heart Study. British Journal of Medicine and Medical Research, 2016, 11, 1-9.	0.2	24
16	Association of circulating sclerostin with vascular calcification in Afro-Caribbean men. Atherosclerosis, 2015, 239, 218-223.	0.8	23
17	Incorporating single‐side sparing in models for predicting parotid dose sparing in head and neck IMRT. Medical Physics, 2014, 41, 021728.	3.0	22
18	Automatic Planning of Whole Breast Radiation Therapy Using Machine Learning Models. Frontiers in Oncology, 2019, 9, 750.	2.8	22

#	ARTICLE	IF	CITATIONS
19	Outlier identification in radiation therapy knowledge‐based planning: A study of pelvic cases. Medical Physics, 2017, 44, 5617-5626.	3.0	20
20	Temporal lobe injury patterns following intensity modulated radiotherapy in a large cohort of nasopharyngeal carcinoma patients. Oral Oncology, 2018, 85, 8-14.	1.5	19
21	Cerebral White Matter Hyperintensity in African Americans and European Americans with Type 2 Diabetes. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, e46-e52.	1.6	18
22	Contrasting Misinformation and Real-Information Dissemination Network Structures on Social Media During a Health Emergency. American Journal of Public Health, 2020, 110, S340-S347.	2.7	17
23	Segmentation in virtual colonoscopy using a geometric deformable model. Computerized Medical Imaging and Graphics, 2006, 30, 17-30.	5.8	16
24	Deep Learning‐Based Fluence Map Prediction for Pancreas Stereotactic Body Radiation Therapy With Simultaneous Integrated Boost. Advances in Radiation Oncology, 2021, 6, 100672.	1.2	16
25	Modeling of multiple planning target volumes for head and neck treatments in knowledge‐based treatment planning. Medical Physics, 2019, 46, 3812-3822.	3.0	15
26	Identifying Influential Factors in the Discussion Dynamics of Emerging Health Issues on Social Media: Computational Study. JMIR Public Health and Surveillance, 2020, 6, e17175.	2.6	14
27	Knowledge-Based Statistical Inference Method for Plan Quality Quantification. Technology in Cancer Research and Treatment, 2019, 18, 153303381985775.	1.9	10
28	Artificial intelligence applications in intensity modulated radiation treatment planning: an overview. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4859-4880.	2.0	9
29	Using Social Media to Understand Web-Based Social Factors Concerning Obesity: Systematic Review. JMIR Public Health and Surveillance, 2022, 8, e25552.	2.6	9
30	Response to â€œComment on â€˜A planning quality evaluation tool for prostate adaptive IMRT based on machine learningâ€™â€‰â€•[Med. Phys. 38, 719 (2011)]. Medical Physics, 2011, 38, 2821-2821.	3.0	8
31	A Novel Machine Learning Framework for Comparison of Viral COVID-19â€"Related Sina Weibo and Twitter Posts: Workflow Development and Content Analysis. Journal of Medical Internet Research, 2021, 23, e24889.	4.3	8
32	A Multiple Feature Category Data Mining and Machine Learning Approach to Characterize and Detect Health Misinformation on Social Media. IEEE Internet Computing, 2021, 25, 43-51.	3.3	7
33	Minimum reliable scale selection in 3D. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 481-487.	13.9	5
34	Transfer learning for fluence map prediction in adrenal stereotactic body radiation therapy. Physics in Medicine and Biology, 2021, 66, .	3.0	5
35	Developing a healthcare dataset information resource (DIR) based on Semantic Web. BMC Medical Genomics, 2018, 11, 102.	1.5	3
36	Knowledge Models as Teaching Aid for Training Intensity Modulated Radiation Therapy Planning: A Lung Cancer Case Study. Frontiers in Artificial Intelligence, 2020, 3, 66.	3.4	3

#	Article	IF	Citations
37	DIR â€" A semantic information resource for healthcare datasets. , 2017, , .		2
38	Incorporating Case-Based Reasoning for Radiation Therapy Knowledge Modeling: A Pelvic Case Study. Technology in Cancer Research and Treatment, 2019, 18, 153303381987478.	1.9	2
39	Self-supervised extractive text summarization for biomedical literatures. , 2021, , .		2
40	CORONARY ARTERY STRUCTURAL REMODELING BY COMPUTED TOMOGRAPHY AND ECHOCARDIOGRAPHIC LEFT VENTRICULAR MASS CHANGES OVER THE NEXT 5 YEARS: THE CORONARY ARTERY RISK DEVELOPMENT IN YOUNG ADULTS (CARDIA) STUDY. Journal of the American College of Cardiology, 2017, 69, 1604.	2.8	1
41	CASMIâ€"An Entropic Feature Selection Method in Turingâ€™s Perspective. Entropy, 2019, 21, 1179.	2.2	1
42	Assessing the robustness of artificial intelligence powered planning tools in radiotherapy clinical settingsâ€"a phantom simulation approach. Quantitative Imaging in Medicine and Surgery, 2021, 11, 0-0.	2.0	1
43	An Association-Based Intrinsic Quality Index for Healthcare Dataset Ranking. , 2019, , .		0
44	A deep-learning based system for accurate extraction of blood pressure data in clinical narratives. AMIA Summits on Translational Science Proceedings, 2020, 2020, 703-709.	0.4	0