

Avishek Chatterjee

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

872
citations

623188

14
h-index

580395

25
g-index

27
all docs

27
docs citations

27
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparency of deep neural networks for medical image analysis: A review of interpretability methods. <i>Computers in Biology and Medicine</i> , 2022, 140, 105111.	3.9	131
2	Improving and Externally Validating Mortality Prediction Models for COVID-19 Using Publicly Available Data. <i>BioMed</i> , 2022, 2, 13-26.	0.6	3
3	Data harmonisation for information fusion in digital healthcare: A state-of-the-art systematic review, meta-analysis and future research directions. <i>Information Fusion</i> , 2022, 82, 99-122.	11.7	62
4	Development and Validation of Multiparametric MRI-based Radiomics Models for Preoperative Risk Stratification of Endometrial Cancer. <i>Radiology</i> , 2022, 305, 375-386.	3.6	30
5	Can predicting COVID-19 mortality in a European cohort using only demographic and comorbidity data surpass age-based prediction: An externally validated study. <i>PLoS ONE</i> , 2021, 16, e0249920.	1.1	16
6	Knowledge Graphs for COVID-19: An Exploratory Review of the Current Landscape. <i>Journal of Personalized Medicine</i> , 2021, 11, 300.	1.1	18
7	Limitations of Only Reporting the Odds Ratio in the Age of Precision Medicine: A Deterministic Simulation Study. <i>Frontiers in Medicine</i> , 2021, 8, 640854.	1.2	5
8	Modeling-Based Decision Support System for Radical Prostatectomy Versus External Beam Radiotherapy for Prostate Cancer Incorporating an In Silico Clinical Trial and a Cost-Utility Study. <i>Cancers</i> , 2021, 13, 2687.	1.7	1
9	MRI-Based Radiomics Analysis for the Pretreatment Prediction of Pathologic Complete Tumor Response to Neoadjuvant Systemic Therapy in Breast Cancer Patients: A Multicenter Study. <i>Cancers</i> , 2021, 13, 2447.	1.7	20
10	An artificial intelligence framework integrating longitudinal electronic health records with real-world data enables continuous pan-cancer prognostication. <i>Nature Cancer</i> , 2021, 2, 709-722.	5.7	41
11	Site-Specific Variation in Radiomic Features of Head and Neck Squamous Cell Carcinoma and Its Impact on Machine Learning Models. <i>Cancers</i> , 2021, 13, 3723.	1.7	5
12	Exploratory Radiomic Analysis of Conventional vs. Quantitative Brain MRI: Toward Automatic Diagnosis of Early Multiple Sclerosis. <i>Frontiers in Neuroscience</i> , 2021, 15, 679941.	1.4	7
13	Covid19Risk.ai: An Open Source Repository and Online Calculator of Prediction Models for Early Diagnosis and Prognosis of Covid-19. <i>BioMed</i> , 2021, 1, 41-49.	0.6	3
14	Investigating the impact of the CT Hounsfield unit range on radiomic feature stability using dual energy CT data. <i>Physica Medica</i> , 2021, 88, 272-277.	0.4	6
15	Making Radiomics More Reproducible across Scanner and Imaging Protocol Variations: A Review of Harmonization Methods. <i>Journal of Personalized Medicine</i> , 2021, 11, 842.	1.1	72
16	Comparison of quantitative and qualitative scoring approaches for radiation-induced pulmonary fibrosis as applied to a preliminary investigation into the efficacy of mesenchymal stem cell delivery methods in a rat model. <i>BJR Open</i> , 2021, 3, 20210006.	0.4	0
17	Reply to "COVID-19 prediction models should adhere to methodological and reporting standards". <i>European Respiratory Journal</i> , 2020, 56, 2002918.	3.1	1
18	Overlooked pitfalls in multi-class machine learning classification in radiation oncology and how to avoid them. <i>Physica Medica</i> , 2020, 70, 96-100.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Comparing local control and distant metastasis in NSCLC patients between CyberKnife and conventional SBRT. <i>Radiotherapy and Oncology</i> , 2020, 144, 201-208.	0.3	12
20	Radiomics and Artificial Intelligence for Biomarker and Prediction Model Development in Oncology. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 995-1008.	1.9	124
21	Creating Robust Predictive Radiomic Models for Data From Independent Institutions Using Normalization. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 210-215.	2.7	35
22	Head and neck squamous cell carcinoma: prediction of cervical lymph node metastasis by dual-energy CT texture analysis with machine learning. <i>European Radiology</i> , 2019, 29, 6172-6181.	2.3	79
23	Deep learning in head & neck cancer outcome prediction. <i>Scientific Reports</i> , 2019, 9, 2764.	1.6	145
24	Comparison of Radiomics Models Built Through Machine Learning in a Multicentric Context With Independent Testing: Identical Data, Similar Algorithms, Different Methodologies. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 192-200.	2.7	16
25	An Empirical Approach for Avoiding False Discoveries When Applying High-Dimensional Radiomics to Small Datasets. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 201-209.	2.7	16
26	Can dose outside the PTV influence the risk of distant metastases in stage I lung cancer patients treated with stereotactic body radiotherapy (SBRT)?. <i>Radiotherapy and Oncology</i> , 2018, 128, 513-519.	0.3	19
27	Predicting Adverse Radiation Effects in Brain Tumors After Stereotactic Radiotherapy With Deep Learning and Handcrafted Radiomics. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3