

# Alberto Traverso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12131677/publications.pdf>

Version: 2024-02-01

22  
papers

1,813  
citations

623734

14  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation, comparison, and combination of algorithms for automatic detection of pulmonary nodules in computed tomography images: The LUNA16 challenge. <i>Medical Image Analysis</i> , 2017, 42, 1-13.	11.6	710
2	Repeatability and Reproducibility of Radiomic Features: A Systematic Review. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1143-1158.	0.8	527
3	Repeatability and reproducibility of MRI-based radiomic features in cervical cancer. <i>Radiotherapy and Oncology</i> , 2019, 135, 107-114.	0.6	112
4	Learning from scanners: Bias reduction and feature correction in radiomics. <i>Clinical and Translational Radiation Oncology</i> , 2019, 19, 33-38.	1.7	54
5	The radiation oncology ontology (<sc>ROO</sc>): Publishing linked data in radiation oncology using semantic web and ontology techniques. <i>Medical Physics</i> , 2018, 45, e854-e862.	3.0	49
6	Sensitivity of radiomic features to inter-observer variability and image pre-processing in Apparent Diffusion Coefficient (ADC) maps of cervix cancer patients. <i>Radiotherapy and Oncology</i> , 2020, 143, 88-94.	0.6	44
7	Stability of radiomic features of apparent diffusion coefficient (ADC) maps for locally advanced rectal cancer in response to image pre-processing. <i>Physica Medica</i> , 2019, 61, 44-51.	0.7	42
8	Machine learning helps identifying volume-confounding effects in radiomics. <i>Physica Medica</i> , 2020, 71, 24-30.	0.7	42
9	Technical Note: Ontology-guided radiomics analysis workflow (O&#x2013;RAW). <i>Medical Physics</i> , 2019, 46, 5677-5684.	3.0	38
10	Distributed radiomics as a signature validation study using the Personal Health Train infrastructure. <i>Scientific Data</i> , 2019, 6, 218.	5.3	37
11	A systematic review and quality of reporting checklist for repeatability and reproducibility of radiomic features. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 69-75.	2.9	37
12	Multicenter <sc>CT</sc> phantoms public dataset for radiomics reproducibility tests. <i>Medical Physics</i> , 2019, 46, 1512-1518.	3.0	26
13	From multisource data to clinical decision aids in radiation oncology: The need for a clinical data science community. <i>Radiotherapy and Oncology</i> , 2020, 153, 43-54.	0.6	20
14	FAIR-compliant clinical, radiomics and DICOM metadata of RIDER, interobserver, Lung1 and head&#x2013;Neck1 TCIA collections. <i>Medical Physics</i> , 2020, 47, 5931-5940.	3.0	20
15	User-controlled pipelines for feature integration and head and neck radiation therapy outcome predictions. <i>Physica Medica</i> , 2020, 70, 145-152.	0.7	14
16	Generative models improve radiomics reproducibility in low dose CTs: a simulation study. <i>Physics in Medicine and Biology</i> , 2021, 66, .	3.0	14
17	Prediction models for treatment-induced cardiac toxicity in patients with non-small-cell lung cancer: A systematic review and meta-analysis. <i>Clinical and Translational Radiation Oncology</i> , 2022, 33, 134-144.	1.7	8
18	Artificial Intelligence Applications to Improve the Treatment of Locally Advanced Non-Small Cell Lung Cancers. <i>Cancers</i> , 2021, 13, 2382.	3.7	5

#	ARTICLE	IF	CITATIONS
19	Radiomics integration into a picture archiving and communication system. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 30-33.	2.9	5
20	Prediction Models for Radiation-Induced Neurocognitive Decline in Adult Patients With Primary or Secondary Brain Tumors: A Systematic Review. <i>Frontiers in Psychology</i> , 2022, 13, 853472.	2.1	5
21	Artificial Intelligence in Radiation Therapy. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 158-181.	3.7	4
22	Segmentation Uncertainty Estimation as a Sanity Check for Image Biomarker Studies. <i>Cancers</i> , 2022, 14, 1288.	3.7	0