Alberto Traverso

List of Publications by Year
in descending order

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	Artificial Intelligence in Radiation Therapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 158-181.	3.7	4
2	Segmentation Uncertainty Estimation as a Sanity Check for Image Biomarker Studies. Cancers, 2022, 14, 1288.	3.7	0
3	Prediction Models for Radiation-Induced Neurocognitive Decline in Adult Patients With Primary or Secondary Brain Tumors: A Systematic Review. Frontiers in Psychology, 2022, 13, 853472.	2.1	5
4	Prediction models for treatment-induced cardiac toxicity in patients with non-small-cell lung cancer: A systematic review and meta-analysis. Clinical and Translational Radiation Oncology, 2022, 33, 134-144.	1.7	8
5	Artificial Intelligence Applications to Improve the Treatment of Locally Advanced Non-Small Cell Lung Cancers. Cancers, 2021, 13, 2382.	3.7	5
6	Generative models improve radiomics reproducibility in low dose CTs: a simulation study. Physics in Medicine and Biology, 2021, 66, .	3.0	14
7	Radiomics integration into a picture archiving and communication system. Physics and Imaging in Radiation Oncology, 2021, 20, 30-33.	2.9	5
8	A systematic review and quality of reporting checklist for repeatability and reproducibility of radiomic features. Physics and Imaging in Radiation Oncology, 2021, 20, 69-75.	2.9	37
9	Sensitivity of radiomic features to inter-observer variability and image pre-processing in Apparent Diffusion Coefficient (ADC) maps of cervix cancer patients. Radiotherapy and Oncology, 2020, 143, 88-94.	0.6	44
10	From multisource data to clinical decision aids in radiation oncology: The need for a clinical data science community. Radiotherapy and Oncology, 2020, 153, 43-54.	0.6	20
11	FAIRâ€compliant clinical, radiomics and DICOM metadata of RIDER, interobserver, Lung1 and headâ€Neck1 TCIA collections. Medical Physics, 2020, 47, 5931-5940.	3.0	20
12	User-controlled pipelines for feature integration and head and neck radiation therapy outcome predictions. Physica Medica, 2020, 70, 145-152.	0.7	14
13	Machine learning helps identifying volume-confounding effects in radiomics. Physica Medica, 2020, 71, 24-30.	0.7	42
14	Distributed radiomics as a signature validation study using the Personal Health Train infrastructure. Scientific Data, 2019, 6, 218.	5.3	37
15	Technical Note: Ontologyâ€guided radiomics analysis workflow (Oâ€RAW). Medical Physics, 2019, 46, 5677-5684.	3.0	38
16	Learning from scanners: Bias reduction and feature correction in radiomics. Clinical and Translational Radiation Oncology, 2019, 19, 33-38.	1.7	54
17	Stability of radiomic features of apparent diffusion coefficient (ADC) maps for locally advanced rectal cancer in response to image pre-processing. Physica Medica, 2019, 61, 44-51.	0.7	42
18	Repeatability and reproducibility of MRI-based radiomic features in cervical cancer. Radiotherapy and Oncology, 2019, 135, 107-114.	0.6	112

#	Article	IF	Citations
19	Multicenter <scp>CT</scp> phantoms public dataset for radiomics reproducibility tests. Medical Physics, 2019, 46, 1512-1518.	3.0	26
20	The radiation oncology ontology (<scp>ROO</scp>): Publishing linked data in radiation oncology using semantic web and ontology techniques. Medical Physics, 2018, 45, e854-e862.	3.0	49
21	Repeatability and Reproducibility of Radiomic Features: A Systematic Review. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1143-1158.	0.8	527
22	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