Ralph Th Leijenaar

List of Publications by Year
in descending order

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25 papers	7,701 citations	331670 21 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	8133 citing authors

#	Article	IF	Citations
1	Radiomics: the bridge between medical imaging and personalized medicine. Nature Reviews Clinical Oncology, 2017, 14, 749-762.	27.6	3,216
2	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	7.3	1,869
3	CT-based radiomic signature predicts distant metastasis in lung adenocarcinoma. Radiotherapy and Oncology, 2015, 114, 345-350.	0.6	576
4	The effect of SUV discretization in quantitative FDG-PET Radiomics: the need for standardized methodology in tumor texture analysis. Scientific Reports, 2015, 5, 11075.	3.3	318
5	Defining the biological basis of radiomic phenotypes in lung cancer. ELife, 2017, 6, .	6.0	258
6	â€˜Rapid Learning health care in oncologyâ€™ â€“ An approach towards decision support systems enabling customised radiotherapyâ€™. Radiotherapy and Oncology, 2013, 109, 159-164.	0.6	175
7	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. Radiotherapy and Oncology, 2017, 123, 363-369.	0.6	136
8	Testâ€“Retest Data for Radiomics Feature Stability Analysis: Generalizable or Study-Specific?. Tomography, 2016, 2, 361-365.	1.8	135
9	Decision support systems for personalized and participative radiation oncology. Advanced Drug Delivery Reviews, 2017, 109, 131-153.	13.7	113
10	Development and validation of a radiomic signature to predict HPV (p16) status from standard CT imaging: a multicenter study. British Journal of Radiology, 2018, 91, 20170498.	2.2	109
11	Is there a causal relationship between genetic changes and radiomics-based image features? An in vivo preclinical experiment with doxycycline inducible GADD34 tumor cells. Radiotherapy and Oncology, 2015, 116, 462-466.	0.6	106
12	A review in radiomics: Making personalized medicine a reality via routine imaging. Medicinal Research Reviews, 2022, 42, 426-440.	10.5	103
13	Predictive and prognostic value of CT based radiomics signature in locally advanced head and neck cancers patients treated with concurrent chemoradiotherapy or bioradiotherapy and its added value to Human Papillomavirus status. Oral Oncology, 2017, 71, 150-155.	1.5	92
14	Post-radiochemotherapy PET radiomics in head and neck cancer â€“ The influence of radiomics implementation on the reproducibility of local control tumor models. Radiotherapy and Oncology, 2017, 125, 385-391.	0.6	89
15	Decision Support Systems in Oncology. JCO Clinical Cancer Informatics, 2019, 3, 1-9.	2.1	85
16	A review on radiomics and the future of theranostics for patient selection in precision medicine. British Journal of Radiology, 2018, 91, 20170926.	2.2	63
17	4DCT imaging to assess radiomics feature stability: An investigation for thoracic cancers. Radiotherapy and Oncology, 2017, 125, 147-153.	0.6	61
18	Longitudinal radiomics of cone-beam CT images from non-small cell lung cancer patients: Evaluation of the added prognostic value for overall survival and locoregional recurrence. Radiotherapy and Oncology, 2019, 136, 78-85.	0.6	48

#	Article	IF	Citations
19	Computed Tomography-based Radiomics for Risk Stratification in Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2019, 105, 448-456.	0.8	41
20	Applicability of a prognostic CT-based radiomic signature model trained on stage I-III non-small cell lung cancer in stage IV non-small cell lung cancer. Lung Cancer, 2018, 124, 6-11.	2.0	39
21	Individualized early death and long-term survival prediction after stereotactic radiosurgery for brain metastases of non-small cell lung cancer: Two externally validated nomograms. Radiotherapy and Oncology, 2017, 123, 189-194.	0.6	29
22	Non-invasive imaging prediction of tumor hypoxia: A novel developed and externally validated CT and FDG-PET-based radiomic signatures. Radiotherapy and Oncology, 2020, 153, 97-105.	0.6	19
23	Privacy preserving distributed learning classifiers â€“ Sequential learning with small sets of data. Computers in Biology and Medicine, 2021, 136, 104716.	7.0	12
24	Deciphering the glioblastoma phenotype by computed tomography radiomics. Radiotherapy and Oncology, 2021, 160, 132-139.	0.6	9
25	El papel emergente de la radiÃ³mica en la EPOC y el cÃ¡ncer de pulmÃ³n. Karger Kompass NeumologÃa, 2020, , 46-53.	0.0	0