

Ralph T H Leijenaar

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

15,355
citations

257450

24
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

12272
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomics: Extracting more information from medical images using advanced feature analysis. <i>European Journal of Cancer</i> , 2012, 48, 441-446.	2.8	3,846
2	Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach. <i>Nature Communications</i> , 2014, 5, 4006.	12.8	3,355
3	Radiomics: the bridge between medical imaging and personalized medicine. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 749-762.	27.6	3,216
4	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020, 295, 328-338.	7.3	1,869
5	Robust Radiomics Feature Quantification Using Semiautomatic Volumetric Segmentation. <i>PLoS ONE</i> , 2014, 9, e102107.	2.5	488
6	Radiomic feature clusters and Prognostic Signatures specific for Lung and Head & Neck cancer. <i>Scientific Reports</i> , 2015, 5, 11044.	3.3	384
7	Stability of FDG-PET Radiomics features: An integrated analysis of test-retest and inter-observer variability. <i>Acta Oncologica</i> , 2013, 52, 1391-1397.	1.8	353
8	Defining the biological basis of radiomic phenotypes in lung cancer. <i>ELife</i> , 2017, 6, .	6.0	258
9	Influence of gray level discretization on radiomic feature stability for different CT scanners, tube currents and slice thicknesses: a comprehensive phantom study. <i>Acta Oncologica</i> , 2017, 56, 1544-1553.	1.8	183
10	“Rapid Learning health care in oncology” An approach towards decision support systems enabling customised radiotherapy. <i>Radiotherapy and Oncology</i> , 2013, 109, 159-164.	0.6	175
11	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. <i>Radiotherapy and Oncology</i> , 2017, 123, 363-369.	0.6	136
12	Test “Retest Data for Radiomics Feature Stability Analysis: Generalizable or Study-Specific?”. <i>Tomography</i> , 2016, 2, 361-365.	1.8	135
13	Decision support systems for personalized and participative radiation oncology. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 131-153.	13.7	113
14	Development and validation of a radiomic signature to predict HPV (p16) status from standard CT imaging: a multicenter study. <i>British Journal of Radiology</i> , 2018, 91, 20170498.	2.2	109
15	A review in radiomics: Making personalized medicine a reality via routine imaging. <i>Medicinal Research Reviews</i> , 2022, 42, 426-440.	10.5	103
16	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. <i>Oral Oncology</i> , 2017, 71, 150-155.	1.5	92
17	Post-radiochemotherapy PET radiomics in head and neck cancer “ The influence of radiomics implementation on the reproducibility of local control tumor models. <i>Radiotherapy and Oncology</i> , 2017, 125, 385-391.	0.6	89
18	Decision Support Systems in Oncology. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	2.1	85

#	ARTICLE	IF	CITATIONS
19	Systematic Review of Privacy-Preserving Distributed Machine Learning From Federated Databases in Health Care. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 184-200.	2.1	72
20	Modern clinical research: How rapid learning health care and cohort multiple randomised clinical trials complement traditional evidence based medicine. <i>Acta Oncologica</i> , 2015, 54, 1289-1300.	1.8	59
21	Pre-treatment CT radiomics to predict 3-year overall survival following chemoradiotherapy of esophageal cancer. <i>Acta Oncologica</i> , 2018, 57, 1475-1481.	1.8	58
22	Privacy-preserving distributed learning of radiomics to predict overall survival and HPV status in head and neck cancer. <i>Scientific Reports</i> , 2020, 10, 4542.	3.3	46
23	Blockchain for Privacy Preserving and Trustworthy Distributed Machine Learning in Multicentric Medical Imaging (C-DistriM). <i>IEEE Access</i> , 2020, 8, 183939-183951.	4.2	44
24	Development and Validation of an Automated Radiomic CT Signature for Detecting COVID-19. <i>Diagnostics</i> , 2021, 11, 41.	2.6	31
25	[18F]FDG PET/CT-based response assessment of stage IV non-small cell lung cancer treated with paclitaxel-carboplatin-bevacizumab with or without nitroglycerin patches. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 8-16.	6.4	20
26	A Prospectively Validated Prognostic Model for Patients with Locally Advanced Squamous Cell Carcinoma of the Head and Neck Based on Radiomics of Computed Tomography Images. <i>Cancers</i> , 2021, 13, 3271.	3.7	12
27	Deciphering the glioblastoma phenotype by computed tomography radiomics. <i>Radiotherapy and Oncology</i> , 2021, 160, 132-139.	0.6	9
28	An externally validated fully automated deep learning algorithm to classify COVID-19 and other pneumonias on chest computed tomography. <i>ERJ Open Research</i> , 2022, 8, 00579-2021.	2.6	6