Janita van Timmeren

List of Publications by Year
in descending order

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43 papers	5,532 citations	394286 19 h-index	302012 39 g-index
43 all docs	43 docs citations	43 times ranked	6265 citing authors

#	Article	IF	Citations
1	Radiomics: the bridge between medical imaging and personalized medicine. Nature Reviews Clinical Oncology, 2017, 14, 749-762.	12.5	3,216
2	Radiomics in medical imagingâ€"â€œhow-toâ€•guide and critical reflection. Insights Into Imaging, 2020, 11, 91.	1.6	599
3	Influence of gray level discretization on radiomic feature stability for different CT scanners, tube currents and slice thicknesses: a comprehensive phantom study. Acta OncolÃ³gica, 2017, 56, 1544-1553.	0.8	183
4	Tracking tumor biology with radiomics: A systematic review utilizing a radiomics quality score. Radiotherapy and Oncology, 2018, 127, 349-360.	0.3	175
5	Radiomics: from qualitative to quantitative imaging. British Journal of Radiology, 2020, 93, 20190948.	1.0	164
6	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. Radiotherapy and Oncology, 2017, 123, 363-369.	0.3	136
7	Testâ€"Retest Data for Radiomics Feature Stability Analysis: Generalizable or Study-Specific?. Tomography, 2016, 2, 361-365.	0.8	135
8	Decision support systems for personalized and participative radiation oncology. Advanced Drug Delivery Reviews, 2017, 109, 131-153.	6.6	113
9	Decision Support Systems in Oncology. JCO Clinical Cancer Informatics, 2019, 3, 1-9.	1.0	85
10	Radiomics applied to lung cancer: a review. Translational Cancer Research, 2016, 5, 398-409.	0.4	71
11	4DCT imaging to assess radiomics feature stability: An investigation for thoracic cancers. Radiotherapy and Oncology, 2017, 125, 147-153.	0.3	61
12	18F-fluorodeoxyglucose positron-emission tomography (FDG-PET)-Radiomics of metastatic lymph nodes and primary tumor in non-small cell lung cancer (NSCLC) â€" A prospective externally validated study. PLoS ONE, 2018, 13, e0192859.	1.1	57
13	Feature selection methodology for longitudinal cone-beam CT radiomics. Acta OncolÃ³gica, 2017, 56, 1537-1543.	0.8	55
14	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.	0.3	48
15	MRI-based radiomics in breast cancer: feature robustness with respect to inter-observer segmentation variability. Scientific Reports, 2020, 10, 14163.	1.6	47
16	Automated detection and segmentation of non-small cell lung cancer computed tomography images. Nature Communications, 2022, 13, .	5.8	44
17	Challenges and caveats of a multi-center retrospective radiomics study: an example of early treatment response assessment for NSCLC patients using FDG-PET/CT radiomics. PLoS ONE, 2019, 14, e0217536.	1.1	38
18	MR-Guided Radiotherapy for Head and Neck Cancer: Current Developments, Perspectives, and Challenges. Frontiers in Oncology, 2021, 11, 616156.	1.3	37

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19	Treatment plan quality during online adaptive re-planning. Radiation Oncology, 2020, 15, 203.	1.2	36
20	Can radiomics help to predict skeletal muscle response to chemotherapy in stage IV non-small cell lung cancer?. European Journal of Cancer, 2019, 120, 107-113.	1.3	22
21	Distance to isocenter is not associated with an increased risk for local failure in LINAC-based single-isocenter SRS or SRT for multiple brain metastases. Radiotherapy and Oncology, 2021, 159, 168-175.	0.3	22
22	Evaluation of the prognostic value of the ESTRO EORTC classification of oligometastatic disease in patients treated with stereotactic body radiotherapy: A retrospective single center study. Radiotherapy and Oncology, 2022, 168, 256-264.	0.3	20
23	Head and neck radiotherapy on the MR linac: aÂmulticenter planning challenge amongst MRIdian platform users. Strahlentherapie Und Onkologie, 2021, 197, 1093-1103.	1.0	17
24	Gating has a negligible impact on dose delivered in MRI-guided online adaptive radiotherapy of prostate cancer. Radiotherapy and Oncology, 2022, 170, 205-212.	0.3	17
25	Dental extraction, intensity-modulated radiotherapy of head and neck cancer, and osteoradionecrosis. Strahlentherapie Und Onkologie, 2022, 198, 219-228.	1.0	16
26	Measurement of LV Volumes andÂFunction Using Oxygen-15 Water-Gated PET and Comparison With CMR Imaging. JACC: Cardiovascular Imaging, 2016, 9, 1472-1474.	2.3	15
27	MR-Guided Adaptive Radiotherapy for Head and Neck Cancer: Prospective Evaluation of Migration and Anatomical Changes of the Major Salivary Glands. Cancers, 2021, 13, 5404.	1.7	13
28	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. Cancers, 2021, 13, 3271.	1.7	12
29	Machine learning for grading and prognosis of esophageal dysplasia using mass spectrometry and histological imaging. Computers in Biology and Medicine, 2021, 138, 104918.	3.9	12
30	Systematic Review on the Association of Radiomics with Tumor Biological Endpoints. Cancers, 2021, 13, 3015.	1.7	11
31	Single-isocenter versus multiple-isocenters for multiple lung metastases: Evaluation of lung dose. Radiotherapy and Oncology, 2022, 166, 189-194.	0.3	10
32	A 2.5D convolutional neural network for HPV prediction in advanced oropharyngeal cancer. Computers in Biology and Medicine, 2022, 142, 105215.	3.9	9
33	Comparison of beam segment versus full plan re-optimization in daily magnetic resonance imaging-guided online-adaptive radiotherapy. Physics and Imaging in Radiation Oncology, 2021, 17, 43-46.	1.2	7
34	Comprehensive summary and retrospective evaluation of prognostic scores for patients with newly diagnosed brain metastases treated with upfront radiosurgery in a modern patient collective. Radiotherapy and Oncology, 2022, 172, 23-31.	0.3	7
35	Tumor regression during radiotherapy for non-small cell lung cancer patients using cone-beam computed tomography images. Strahlentherapie Und Onkologie, 2020, 196, 159-171.	1.0	6
36	Cochlea sparing optimized radiotherapy for nasopharyngeal carcinoma. Radiation Oncology, 2021, 16, 64.	1.2	5

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37	Margin calculation for multiple lung metastases treated with single-isocenter SBRT. Radiotherapy and Oncology, 2021, 162, 105-111.	0.3	4
38	Quantification of theÂspatial distribution of primary tumors in the lung to develop new prognostic biomarkers for locally advanced NSCLC. Scientific Reports, 2021, 11, 20890.	1.6	3
39	Predicting Adverse Radiation Effects in Brain Tumors After Stereotactic Radiotherapy With Deep Learning and Handcrafted Radiomics. Frontiers in Oncology, 0, 12, .	1.3	3
40	EP-1608: Deriving HPV status from standard CT imaging: a radiomic approach with independent validation. Radiotherapy and Oncology, 2017, 123, S868-S869.	0.3	1
41	EP-1600: Delta radiomics of NSCLC using weekly conebeam CT imaging: a feasibility study. Radiotherapy and Oncology, 2017, 123, S862-S863.	0.3	0
42	EP-2112: How accurate should a GTV delineation be for radiomics? A study in NSCLC patients. Radiotherapy and Oncology, 2018, 127, S1161-S1162.	0.3	0
43	PET-Plan: potential for dose escalation by target volume reduction in locally advanced NSCLC. Translational Lung Cancer Research, 2020, 9, 1595-1598.	1.3	0