Stephanie Tanadini-Lang

List of Publications by Year
in descending order

74	4,564	304602	110317
papers	citations	22 h-index	64 g-index

77	77	77	5249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	3.6	1,869
2	Radiomics in medical imagingâ€"â€œhow-toâ€•guide and critical reflection. Insights Into Imaging, 2020, 11, 91.	1.6	599
3	ESTRO ACROP consensus guideline on implementation and practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer. Radiotherapy and Oncology, 2017, 124, 11-17.	0.3	230
4	Computed Tomography Radiomics Predicts HPV Status and Local Tumor Control After Definitive Radiochemotherapy in Head and Neck Squamous Cell Carcinoma. International Journal of Radiation Oncology Biology Physics, 2017, 99, 921-928.	0.4	161
5	Influence of inter-observer delineation variability on radiomics stability in different tumor sites. Acta OncolÃ³gica, 2018, 57, 1070-1074.	0.8	152
6	Comparison of PET and CT radiomics for prediction of local tumor control in head and neck squamous cell carcinoma. Acta OncolÃ³gica, 2017, 56, 1531-1536.	0.8	123
7	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.	1.0	109
8	Definition and quality requirements for stereotactic radiotherapy: consensus statement from the DEGRO/DGMP Working Group Stereotactic Radiotherapy and Radiosurgery. Strahlentherapie Und Onkologie, 2020, 196, 417-420.	1.0	96
9	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.	0.3	89
10	Radiomics, Tumor Volume, and Blood Biomarkers for Early Prediction of Pseudoprogression in Patients with Metastatic Melanoma Treated with Immune Checkpoint Inhibition. Clinical Cancer Research, 2020, 26, 4414-4425.	3.2	70
11	Artificial Intelligence in magnetic Resonance guided Radiotherapy: Medical and physical considerations on state of art and future perspectives. Physica Medica, 2021, 85, 175-191.	0.4	60
12	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. Radiotherapy and Oncology, 2020, 152, 203-207.	0.3	59
13	CT radiomics and PET radiomics: ready for clinical implementation?. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2019, 63, 355-370.	0.4	58
14	Respiratory motion-management in stereotactic body radiation therapy for lung cancer â€“ A dosimetric comparison in an anthropomorphic lung phantom (LuCa). Radiotherapy and Oncology, 2016, 121, 328-334.	0.3	52
15	Privacy-preserving distributed learning of radiomics to predict overall survival and HPV status in head and neck cancer. Scientific Reports, 2020, 10, 4542.	1.6	46
16	ITV, mid-ventilation, gating or couch tracking â€“ A comparison of respiratory motion-management techniques based on 4D dose calculations. Radiotherapy and Oncology, 2017, 124, 80-88.	0.3	45
17	Combined CT radiomics of primary tumor and metastatic lymph nodes improves prediction of loco-regional control in head and neck cancer. Scientific Reports, 2019, 9, 15198.	1.6	42
18	Treatment plan quality during online adaptive re-planning. Radiation Oncology, 2020, 15, 203.	1.2	36

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19	Variation in current prescription practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer: Recommendations for prescribing and recording according to the ACROP guideline and ICRU report 91. Radiotherapy and Oncology, 2020, 142, 217-223.	0.3	29
20	Benefit of replanning in MR-guided online adaptive radiation therapy in the treatment of liver metastasis. Radiation Oncology, 2021, 16, 84.	1.2	29
21	Exploratory Radiomics in Computed Tomography Perfusion of Prostate Cancer. Anticancer Research, 2018, 38, 685-690.	0.5	29
22	Radiomic biomarkers for head and neck squamous cell carcinoma. Strahlentherapie Und Onkologie, 2020, 196, 868-878.	1.0	28
23	A tumor-immune interaction model for hepatocellular carcinoma based on measured lymphocyte counts in patients undergoing radiotherapy. Radiotherapy and Oncology, 2020, 151, 73-81.	0.3	26
24	Computed tomography-based radiomics decodes prognostic and molecular differences in interstitial lung disease related to systemic sclerosis. European Respiratory Journal, 2022, 59, 2004503.	3.1	26
25	Comparison of robust to standardized CT radiomics models to predict overall survival for nonâ€small cell lung cancer patients. Medical Physics, 2020, 47, 4045-4053.	1.6	23
26	Interchangeability of radiomic features between [18F]â€<scp>FDG PET</scp>/<scp>CT</scp> and [18F]â€<scp>FDG PET</scp>/<scp>MR</scp>. Medical Physics, 2019, 46, 1677-1685.	1.6	22
27	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
28	ELPHA: Dynamically deformable liver phantom for realâ€time motionâ€adaptive radiotherapy treatments. Medical Physics, 2019, 46, 839-850.	1.6	21
29	The TRENDY multi-center randomized trial on hepatocellular carcinoma â€“ Trial QA including automated treatment planning and benchmark-case results. Radiotherapy and Oncology, 2017, 125, 507-513.	0.3	20
30	Performance comparison of prediction filters for respiratory motion tracking in radiotherapy. Medical Physics, 2020, 47, 643-650.	1.6	20
31	Re-irradiation in the thorax â€“ An analysis of efficacy and safety based on accumulated EQD2 doses. Radiotherapy and Oncology, 2020, 152, 56-62.	0.3	19
32	Validation of dynamic treatment-couch tracking for prostate SBRT. Medical Physics, 2017, 44, 2466-2477.	1.6	18
33	Radiomics Feature Activation Maps as a New Tool for Signature Interpretability. Frontiers in Oncology, 2020, 10, 578895.	1.3	17
34	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
35	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
36	Comparison of multi-leaf collimator tracking and treatment-couch tracking during stereotactic body radiation therapy of prostate cancer. Radiotherapy and Oncology, 2017, 125, 445-452.	0.3	16

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37	Impact of CT convolution kernel on robustness of radiomic features for different lung diseases and tissue types. British Journal of Radiology, 2021, 94, 20200947.	1.0	16
38	Radiomic Analysis to Predict Outcome in Recurrent Glioblastoma Based on Multi-Center MR Imaging From the Prospective DIRECTOR Trial. Frontiers in Oncology, 2021, 11, 636672.	1.3	15
39	Targeting Treatment Resistance in Head and Neck Squamous Cell Carcinoma â€“ Proof of Concept for CT Radiomics-Based Identification of Resistant Sub-Volumes. Frontiers in Oncology, 2021, 11, 664304.	1.3	14
40	Leukoencephalopathy after prophylactic whole-brain irradiation with or without hippocampal sparing: a longitudinal magnetic resonance imaging analysis. European Journal of Cancer, 2020, 124, 194-203.	1.3	13
41	Dosimetric and geometric end-to-end accuracy of a magnetic resonance guided linear accelerator. Physics and Imaging in Radiation Oncology, 2020, 16, 109-112.	1.2	13
42	Single-fraction prostate stereotactic body radiotherapy: Dose reconstruction with electromagnetic intrafraction motion tracking. Radiotherapy and Oncology, 2021, 156, 145-152.	0.3	13
43	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
44	Operating procedures, risk management and challenges during implementation of adaptive and non-adaptive MR-guided radiotherapy: 1-year single-center experience. Radiation Oncology, 2021, 16, 217.	1.2	13
45	Potential dosimetric benefits of adaptive tumor tracking over the internal target volume concept for stereotactic body radiation therapy of pancreatic cancer. Radiation Oncology, 2017, 12, 175.	1.2	12
46	Dosimetric analysis of local failures in skull-base chordoma and chondrosarcoma following pencil beam scanning proton therapy. Radiation Oncology, 2020, 15, 266.	1.2	12
47	MR-guided beam gating: Residual motion, gating efficiency and dose reconstruction for stereotactic treatments of the liver and lung. Radiotherapy and Oncology, 2022, 174, 101-108.	0.3	12
48	Systematic Review on the Association of Radiomics with Tumor Biological Endpoints. Cancers, 2021, 13, 3015.	1.7	11
49	Preselection of robust radiomic features does not improve outcome modelling in non-small cell lung cancer based on clinical routine FDG-PET imaging. EJNMMI Research, 2021, 11, 79.	1.1	11
50	Management of multiple brain metastases: a patterns of care survey within the German Society for Radiation Oncology. Journal of Neuro-Oncology, 2021, 152, 395-404.	1.4	10
51	Single-isocenter versus multiple-isocenters for multiple lung metastases: Evaluation of lung dose. Radiotherapy and Oncology, 2022, 166, 189-194.	0.3	10
52	A 2.5D convolutional neural network for HPV prediction in advanced oropharyngeal cancer. Computers in Biology and Medicine, 2022, 142, 105215.	3.9	9
53	Evaluation of 18Fâ€FDG PET/CT as an early imaging biomarker for response monitoring after radiochemotherapy using cetuximab in head and neck squamous cell carcinoma. Head and Neck, 2020, 42, 163-170.	0.9	7
54	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

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55	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
56	Dosimetric comparison of protons vs photons in re-irradiation of intracranial meningioma. British Journal of Radiology, 2019, 92, 20190113.	1.0	6
57	The ideal couch tracking systemâ€"Requirements and evaluation of current systems. Journal of Applied Clinical Medical Physics, 2019, 20, 152-159.	0.8	5
58	Long-term cancer survivors treated with multiple courses of repeat radiation therapy. Radiation Oncology, 2021, 16, 208.	1.2	5
59	Dosimetric influence of pitch in patient positioning for radiotherapy of long treatment volumes; the usefulness of six degree of freedom couch. British Journal of Radiology, 2018, 91, 20170704.	1.0	4
60	Margin calculation for multiple lung metastases treated with single-isocenter SBRT. Radiotherapy and Oncology, 2021, 162, 105-111.	0.3	4
61	4D-CT-based motion correction of PET images using 3D iterative deconvolution. Oncotarget, 2019, 10, 2987-2995.	0.8	4
62	Computed-tomography-based radiomics features for staging of interstitial lung disease â€“ transferability from experimental to human lung fibrosis - a proof-of-concept study. , 2019, , .		4
63	Body motion during dynamic couch tracking with healthy volunteers. Physics in Medicine and Biology, 2019, 64, 015001.	1.6	3
64	Consolidation cetuximab after concurrent triplet radiochemotherapy+cetuximab in patients with advanced head and neck cancer: A randomized phase II study. Radiotherapy and Oncology, 2020, 150, 62-69.	0.3	3
65	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
66	Unconscious physiological response of healthy volunteers to dynamic respiration-synchronized couch motion. Radiation Oncology, 2017, 12, 189.	1.2	2
67	A Novel Radiomics-Based Tumor Volume Segmentation Algorithm for Lung Tumors in FDG-PET/CT after 3D Motion Correctionâ€"A Technical Feasibility and Stability Study. Diagnostics, 2022, 12, 576.	1.3	2
68	Improved Survival Prediction by Combining Radiological Imaging and S-100B Levels Into a Multivariate Model in Metastatic Melanoma Patients Treated With Immune Checkpoint Inhibition. Frontiers in Oncology, 2022, 12, 830627.	1.3	2
69	Performance behavior of prediction filters for respiratory motion compensation in radiotherapy. Current Directions in Biomedical Engineering, 2017, 3, 429-432.	0.2	1
70	Optimizing a perfusion CT protocol for head and neck cancer. Current Directions in Biomedical Engineering, 2017, 3, 591-594.	0.2	1
71	Delta-radiomics for prediction of pseudoprogression in malignant melanoma treated with immune checkpoint inhibition.. Journal of Clinical Oncology, 2019, 37, 9575-9575.	0.8	1
72	Reply to: The potential and challenges of radiomics in uncovering prognostic and molecular differences in interstitial lung disease associated with systemic sclerosis. European Respiratory Journal, 2022, 59, 2200303.	3.1	1

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73	Reduced Normal Tissue Doses Through Advanced Technology. Medical Radiology, 2016, , 75-103.	0.0	0
74	THU0345â€…TEXTURE-BASED RADIOMICS FEATURES DISCRIMINATE DIFFERENT STAGES OF EXPERIMENTAL INTERSTITIAL LUNG DISEASE. , 2019, , .		0