

# Steven F Petit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2292721/publications.pdf>

Version: 2024-02-01

23  
papers

500  
citations

759233

12  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial intelligence in radiation oncology. <i>Nature Reviews Clinical Oncology</i> , 2020, 17, 771-781.	27.6	167
2	Fully automated VMAT treatment planning for advanced-stage NSCLC patients. <i>Strahlentherapie Und Onkologie</i> , 2017, 193, 402-409.	2.0	40
3	Impact of model and dose uncertainty on model-based selection of oropharyngeal cancer patients for proton therapy. <i>Acta Oncologica</i> , 2017, 56, 1444-1450.	1.8	33
4	Evaluation of plan quality assurance models for prostate cancer patients based on fully automatically generated Pareto-optimal treatment plans. <i>Physics in Medicine and Biology</i> , 2016, 61, 4268-4282.	3.0	23
5	MR guided applicator reconstruction for brachytherapy of cervical cancer using the novel titanium Rotterdam applicator. <i>Radiotherapy and Oncology</i> , 2013, 107, 88-92.	0.6	22
6	Pareto-optimal plans as ground truth for validation of a commercial system for knowledge-based DVH-prediction. <i>Physica Medica</i> , 2018, 55, 98-106.	0.7	22
7	Professional quality of life and burnout among medical physicists working in radiation oncology: The role of alexithymia and empathy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 38-43.	2.9	22
8	Professional quality of life and burnout amongst radiation oncologists: The impact of alexithymia and empathy. <i>Radiotherapy and Oncology</i> , 2020, 147, 162-168.	0.6	22
9	Accurate prediction of target dose-escalation and organ-at-risk dose levels for non-small cell lung cancer patients. <i>Radiotherapy and Oncology</i> , 2015, 117, 453-458.	0.6	21
10	Independent knowledge-based treatment planning QA to audit Pinnacle autoplanning. <i>Radiotherapy and Oncology</i> , 2019, 133, 198-204.	0.6	21
11	Prospective clinical validation of independent DVH prediction for plan QA in automatic treatment planning for prostate cancer patients. <i>Radiotherapy and Oncology</i> , 2017, 125, 500-506.	0.6	20
12	The impact of organ-at-risk contour variations on automatically generated treatment plans for NSCLC. <i>Radiotherapy and Oncology</i> , 2021, 163, 136-142.	0.6	14
13	Long-term outcomes following stereotactic body radiotherapy boost for oropharyngeal squamous cell carcinoma. <i>Acta Oncologica</i> , 2019, 58, 926-933.	1.8	11
14	The role of alexithymia and empathy on radiation therapists' professional quality of life. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2020, 15, 29-36.	1.9	11
15	Increasing maximum tumor dose to manage range uncertainties in IMPT treatment planning. <i>Physics in Medicine and Biology</i> , 2013, 58, 7329-7341.	3.0	9
16	Knowledge-based dose prediction models for head and neck cancer are strongly affected by interorgan dependency and dataset inconsistency. <i>Medical Physics</i> , 2019, 46, 934-943.	3.0	9
17	An optimal acquisition and post-processing pipeline for hybrid IVIM-DKI in head and neck. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 777-789.	3.0	7
18	An individualized strategy to estimate the effect of deformable registration uncertainty on accumulated dose in the upper abdomen. <i>Physics in Medicine and Biology</i> , 2018, 63, 125005.	3.0	5

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19	Locoregional failures and their relation to radiation fields following stereotactic body radiotherapy boost for oropharyngeal squamous cell carcinoma. <i>Head and Neck</i> , 2019, 41, 1622-1631.	2.0	5
20	Predicting patient specific Pareto fronts from patient anatomy only. <i>Radiotherapy and Oncology</i> , 2020, 150, 46-50.	0.6	5
21	Alexithymia and professional quality of life in radiation oncology: The moderator effect of the professional profile. <i>Radiotherapy and Oncology</i> , 2021, 158, 48-54.	0.6	5
22	Establishing a benchmark of diversity, equity, inclusion and workforce engagement in radiation oncology in Europe – An ESTRO collaborative project. <i>Radiotherapy and Oncology</i> , 2022, 171, 198-204.	0.6	4
23	Deep-Learning-based Segmentation of Organs-at-Risk in the Head for MR-assisted Radiation Therapy Planning. , 2021, , .		2