

# Geert Bosmans

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,634  
citations

430442

18  
h-index

676716

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of residual metabolic-active areas within individual NSCLC tumours using a pre-radiotherapy 18Fluorodeoxyglucose-PET-CT scan. <i>Radiotherapy and Oncology</i> , 2009, 91, 386-392.	0.3	340
2	PET-CT-Based Auto-Contouring in Non-Small-Cell Lung Cancer Correlates With Pathology and Reduces Interobserver Variability in the Delineation of the Primary Tumor and Involved Nodal Volumes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 771-778.	0.4	274
3	The current status of FDG-PET in tumour volume definition in radiotherapy treatment planning. <i>Cancer Treatment Reviews</i> , 2006, 32, 245-260.	3.4	153
4	Intra-patient variability of tumor volume and tumor motion during conventionally fractionated radiotherapy for locally advanced non-small-cell lung cancer: A prospective clinical study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 748-753.	0.4	105
5	Time trends in the maximal uptake of FDG on PET scan during thoracic radiotherapy. A prospective study in locally advanced non-small cell lung cancer (NSCLC) patients. <i>Radiotherapy and Oncology</i> , 2007, 82, 145-152.	0.3	101
6	Stability of 18F-Deoxyglucose Uptake Locations Within Tumor During Radiotherapy for NSCLC: A Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1402-1407.	0.4	81
7	Radiation Dose Prescription for Non-Small-Cell Lung Cancer According to Normal Tissue Dose Constraints: An In Silico Clinical Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1103-1110.	0.4	66
8	Correlation of intra-tumour heterogeneity on 18F-FDG PET with pathologic features in non-small cell lung cancer: A feasibility study. <i>Radiotherapy and Oncology</i> , 2008, 87, 55-58.	0.3	66
9	Tumour delineation and cumulative dose computation in radiotherapy based on deformable registration of respiratory correlated CT images of lung cancer patients. <i>Radiotherapy and Oncology</i> , 2007, 85, 232-238.	0.3	64
10	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.	0.8	59
11	Individualized Radical Radiotherapy of Non-Small-Cell Lung Cancer Based on Normal Tissue Dose Constraints: A Feasibility Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1394-1401.	0.4	57
12	The integration of PET-CT scans from different hospitals into radiotherapy treatment planning. <i>Radiotherapy and Oncology</i> , 2008, 87, 142-146.	0.3	52
13	Individualised isotoxic accelerated radiotherapy and chemotherapy are associated with improved long-term survival of patients with stage III NSCLC: A prospective population-based study. <i>Radiotherapy and Oncology</i> , 2012, 102, 228-233.	0.3	40
14	Tumor Delineation Based on Time-Activity Curve Differences Assessed With Dynamic Fluorodeoxyglucose Positron Emission Tomography-Computed Tomography in Rectal Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 456-465.	0.4	31
15	Beam commissioning of the first compact proton therapy system with spot scanning and dynamic field collimation. <i>British Journal of Radiology</i> , 2020, 93, 20190598.	1.0	30
16	Individualized early death and long-term survival prediction after stereotactic radiosurgery for brain metastases of non-small cell lung cancer: Two externally validated nomograms. <i>Radiotherapy and Oncology</i> , 2017, 123, 189-194.	0.3	29
17	An in silico-clinical trial comparing free breathing, slow and respiration correlated computed tomography in lung cancer patients. <i>Radiotherapy and Oncology</i> , 2006, 81, 73-80.	0.3	28
18	Time Trends in Nodal Volumes and Motion During Radiotherapy for Patients With Stage III Non-Small-Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 139-144.	0.4	27

#	ARTICLE	IF	CITATIONS
19	High dose rate and flattening filter free irradiation can be safely implemented in clinical practice. International Journal of Radiation Biology, 2015, 91, 778-785.	1.0	12
20	Phased Versus Midventilation Attenuation-Corrected Respiration-Correlated PET for Patients with Non-Small Cell Lung Cancer. Journal of Nuclear Medicine Technology, 2009, 37, 208-214.	0.4	9
21	Results of an independent dosimetry audit for scanned proton beam therapy facilities. Zeitschrift Fur Medizinische Physik, 2021, 31, 145-153.	0.6	6
22	Joint EURADOS WG9-WG11 rem-counter intercomparison in a Mevion S250i proton therapy facility with Hyperscan pulsed synchrocyclotron. Physics in Medicine and Biology, 2022, 67, 075005.	1.6	4