Geert Bosmans

List of Publications by Year in descending order

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22 papers	1,634 citations	430874 18 h-index	677142 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. Radiotherapy and Oncology, 2009, 91, 386-392.	0.6	340
2	PET-CTâ€“Based Auto-Contouring in Nonâ€“Small-Cell Lung Cancer Correlates With Pathology and Reduces Interobserver Variability in the Delineation of the Primary Tumor and Involved Nodal Volumes. International Journal of Radiation Oncology Biology Physics, 2007, 68, 771-778.	0.8	274
3	The current status of FDGâ€“PET in tumour volume definition in radiotherapy treatment planning. Cancer Treatment Reviews, 2006, 32, 245-260.	7.7	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. International Journal of Radiation Oncology Biology Physics, 2006, 66, 748-753.	0.8	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. Radiotherapy and Oncology, 2007, 82, 145-152.	0.6	101
6	Stability of 18F-Deoxyglucose Uptake Locations Within Tumor During Radiotherapy for NSCLC: A Prospective Study. International Journal of Radiation Oncology Biology Physics, 2008, 71, 1402-1407.	0.8	81
7	Radiation Dose Prescription for Nonâ€“Small-Cell Lung Cancer According to Normal Tissue Dose Constraints: An In Silico Clinical Trial. International Journal of Radiation Oncology Biology Physics, 2008, 71, 1103-1110.	0.8	66
8	Correlation of intra-tumour heterogeneity on 18F-FDG PET with pathologic features in non-small cell lung cancer: A feasibility study. Radiotherapy and Oncology, 2008, 87, 55-58.	0.6	66
9	Tumour delineation and cumulative dose computation in radiotherapy based on deformable registration of respiratory correlated CT images of lung cancer patients. Radiotherapy and Oncology, 2007, 85, 232-238.	0.6	64
10	Modern clinical research: How rapid learning health care and cohort multiple randomised clinical trials complement traditional evidence based medicine. Acta OncolÃ³gica, 2015, 54, 1289-1300.	1.8	59
11	Individualized Radical Radiotherapy of Nonâ€“Small-Cell Lung Cancer Based on Normal Tissue Dose Constraints: A Feasibility Study. International Journal of Radiation Oncology Biology Physics, 2008, 71, 1394-1401.	0.8	57
12	The integration of PET-CT scans from different hospitals into radiotherapy treatment planning. Radiotherapy and Oncology, 2008, 87, 142-146.	0.6	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. Radiotherapy and Oncology, 2012, 102, 228-233.	0.6	40
14	Tumor Delineation Based on Timeâ€“Activity Curve Differences Assessed With Dynamic Fluorodeoxyglucose Positron Emission Tomographyâ€“Computed Tomography in Rectal Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2009, 73, 456-465.	0.8	31
15	Beam commissioning of the first compact proton therapy system with spot scanning and dynamic field collimation. British Journal of Radiology, 2020, 93, 20190598.	2.2	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. Radiotherapy and Oncology, 2017, 123, 189-194.	0.6	29
17	An â€œin silicoâ€•clinical trial comparing free breathing, slow and respiration correlated computed tomography in lung cancer patients. Radiotherapy and Oncology, 2006, 81, 73-80.	0.6	28
18	Time Trends in Nodal Volumes and Motion During Radiotherapy for Patients With Stage III Non-Small-Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2008, 71, 139-144.	0.8	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.	1.8	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.	0.8	9
21	Results of an independent dosimetry audit for scanned proton beam therapy facilities. Zeitschrift Fur Medizinische Physik, 2021, 31, 145-153.	1.5	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.	3.0	4