Thierry Gevaert

List of Publications by Year
in descending order

68	2,482	270111	223390
papers	citations	25 h-index	49 g-index

69	69	69	3295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Letter to the editor regarding the article â€œOnline adaptive MR-guided radiotherapy for rectal cancer; feasibility of the workflow on a 1.5T MR-linac: Clinical implementation and initial experienceâ€•by Intven et al. Radiotherapy and Oncology, 2021, 158, 244-245.	0.3	0
2	Dichloroacetate Radiosensitizes Hypoxic Breast Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 9367.	1.8	16
3	In vivo dosimetry for patients with prostate cancer to assess possible impact of bladder and rectum preparation. Technical Innovations and Patient Support in Radiation Oncology, 2020, 16, 65-69.	0.6	8
4	Frameless Image Guidance in Stereotactic Radiosurgery. , 2020, , 37-48.		2
5	Piperlongumine increases sensitivity of colorectal cancer cells to radiation: Involvement of ROS production via dual inhibition of glutathione and thioredoxin systems. Cancer Letters, 2019, 450, 42-52.	3.2	58
6	Is there any benefit to particles over photon radiotherapy?. Ecancermedicalscience, 2019, 13, 982.	0.6	6
7	Radiosurgery in the management of brain metastasis: a retrospective single-center study comparing Gamma Knife and LINAC treatment. Journal of Neurosurgery, 2018, 128, 352-361.	0.9	15
8	The long- and short-term variability of breathing induced tumor motion in lung and liver over the course of a radiotherapy treatment. Radiotherapy and Oncology, 2018, 126, 339-346.	0.3	96
9	Antidiabetic Biguanides Radiosensitize Hypoxic Colorectal Cancer Cells Through a Decrease in Oxygen Consumption. Frontiers in Pharmacology, 2018, 9, 1073.	1.6	29
10	Potential of memory T cells in bridging preoperative chemoradiation and immunotherapy in rectal cancer. Radiotherapy and Oncology, 2018, 127, 361-369.	0.3	4
11	Treating patients with Dynamic Wave Arc: First clinical experience. Radiotherapy and Oncology, 2017, 122, 347-351.	0.3	10
12	Auranofin radiosensitizes tumor cells through targeting thioredoxin reductase and resulting overproduction of reactive oxygen species. Oncotarget, 2017, 8, 35728-35742.	0.8	68
13	Motion management during SBRT for oligometastatic cancer: Results of a prospective phase II trial. Radiotherapy and Oncology, 2016, 119, 519-524.	0.3	19
14	Evaluation of a dedicated brain metastases treatment planning optimization for radiosurgery: a new treatment paradigm?. Radiation Oncology, 2016, 11, 13.	1.2	50
15	Initial characterization, dosimetric benchmark and performance validation of Dynamic Wave Arc. Radiation Oncology, 2016, 11, 63.	1.2	21
16	Quality Assurance of a 50-kV Radiotherapy Unit Using EBT3 GafChromic Film. Technology in Cancer Research and Treatment, 2016, 15, 163-170.	0.8	13
17	Myeloid-derived suppressor cells reveal radioprotective properties through arginase-induced l-arginine depletion. Radiotherapy and Oncology, 2016, 119, 291-299.	0.3	26
18	Phase I Study of ⁶⁸Ga-HER2-Nanobody for PET/CT Assessment of HER2 Expression in Breast Carcinoma. Journal of Nuclear Medicine, 2016, 57, 27-33.	2.8	317

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19	Dynamic Lung Tumor Tracking for Stereotactic Ablative Body Radiation Therapy. Journal of Visualized Experiments, 2015, , e52875.	0.2	2
20	Dosimetric comparison of different treatment modalities for stereotactic radiosurgery of meningioma. Acta Neurochirurgica, 2015, 157, 559-564.	0.9	32
21	Geometric Verification of Dynamic Wave Arc Delivery With the Vero System Using Orthogonal X-ray Fluoroscopic Imaging. International Journal of Radiation Oncology Biology Physics, 2015, 92, 754-761.	0.4	14
22	Feasibility of markerless tumor tracking by sequential dual-energy fluoroscopy on a clinical tumor tracking system. Radiotherapy and Oncology, 2015, 117, 487-490.	0.3	22
23	Feasibility of markerless tumor tracking by sequential dual-energy fluoroscopy on a clinical tumor tracking system. IFMBE Proceedings, 2015, , 591-594.	0.2	5
24	Nanobody-based PET/CT imaging of HER2 expression in breast carcinoma: Phase I results and potential to assess tumor heterogeneity.. Journal of Clinical Oncology, 2015, 33, e11600-e11600.	0.8	0
25	Reply to the letter to the editor â€˜Are male gender and nonadenocarcinoma histology valid prognostic factors for breast cancer?â€™ by Eren et al.. Annals of Oncology, 2014, 25, 911-912.	0.6	0
26	Impact of inadequate respiratory motion management in SBRT for oligometastatic colorectal cancer. Radiotherapy and Oncology, 2014, 113, 235-239.	0.3	50
27	Analysis of the targeting uncertainty of a stereotactic frameless radiosurgery technique for arteriovenous malformation. Radiotherapy and Oncology, 2014, 113, 371-373.	0.3	3
28	Impact of planning target volume margins and rectal distention on biochemical failure in image-guided radiotherapy of prostate cancer. Radiotherapy and Oncology, 2014, 111, 106-109.	0.3	35
29	Improving the intra-fraction update efficiency of a correlation model used for internal motion estimation during real-time tumor tracking for SBRT patients: Fast update or no update?. Radiotherapy and Oncology, 2014, 112, 352-359.	0.3	25
30	Treating patients with real-time tumor tracking using the Vero gimbaled linac system: Implementation and first review. Radiotherapy and Oncology, 2014, 112, 343-351.	0.3	103
31	Targeting Accuracy of a Stereotactic Frameless Radiosurgery Technique for Arteriovenous Malformation. International Journal of Radiation Oncology Biology Physics, 2014, 90, S894.	0.4	0
32	Preoperative intensity-modulated and image-guided radiotherapy with a simultaneous integrated boost in locally advanced rectal cancer: Report on late toxicity and outcome. Radiotherapy and Oncology, 2014, 110, 155-159.	0.3	60
33	Stereotactic radiotherapy for oligometastatic cancer: a prognostic model for survival. Annals of Oncology, 2014, 25, 467-471.	0.6	89
34	Feasibility of using the Vero SBRT system for intracranial SRS. Journal of Applied Clinical Medical Physics, 2014, 15, 90-99.	0.8	12
35	Evaluation of the clinical usefulness for using verification images during frameless radiosurgery. Radiotherapy and Oncology, 2013, 108, 114-117.	0.3	11
36	Hepatocytes Determine the Hypoxic Microenvironment and Radiosensitivity of Colorectal Cancer Cells Through Production of Nitric Oxide That Targets Mitochondrial Respiration. International Journal of Radiation Oncology Biology Physics, 2013, 85, 820-827.	0.4	12

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37	Dosimetric comparison of different treatment modalities for stereotactic radiosurgery of arteriovenous malformations and acoustic neuromas. Radiotherapy and Oncology, 2013, 106, 192-197.	0.3	70
38	A complementary dual-modality verification for tumor tracking on a gimbaled linac system. Radiotherapy and Oncology, 2013, 109, 469-474.	0.3	23
39	Initial assessment of tumor tracking with a gimbaled linac system in clinical circumstances: A patient simulation study. Radiotherapy and Oncology, 2013, 106, 236-240.	0.3	92
40	SU-E-J-166: Combining Dynamic Wave Arc and Tangential Arc for Breast Boost Irradiation with the Vero System. Medical Physics, 2013, 40, 189-189.	1.6	0
41	TH-A-137-11: First Clinical Experience Treating Patients with the Gimbaled Linac Tumor Tracking of the Vero SBRT System. Medical Physics, 2013, 40, 519-519.	1.6	1
42	Current Status of Intensified Neo-Adjuvant Systemic Therapy in Locally Advanced Rectal Cancer. Frontiers in Oncology, 2012, 2, 47.	1.3	5
43	Computer-aided analysis of star shot films for high-accuracy radiation therapy treatment units. Physics in Medicine and Biology, 2012, 57, 2997-3011.	1.6	47
44	Setup Accuracy of the Novalis ExacTrac 6DOF System for Frameless Radiosurgery. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1627-1635.	0.4	114
45	Clinical Evaluation of a Robotic 6-Degree of Freedom Treatment Couch for Frameless Radiosurgery. International Journal of Radiation Oncology Biology Physics, 2012, 83, 467-474.	0.4	109
46	Feasibility of Using the Novel SBRT System for Radiation Therapy and SRS of Intracranial Lesions. International Journal of Radiation Oncology Biology Physics, 2012, 84, S824.	0.4	0
47	Implementation of HybridArc treatment technique in preoperative radiotherapy of rectal cancer: dose patterns in target lesions and organs at risk as compared to helical Tomotherapy and RapidArc. Radiation Oncology, 2012, 7, 120.	1.2	14
48	Phase II study of helical tomotherapy in the multidisciplinary treatment of oligometastatic colorectal cancer. Radiation Oncology, 2012, 7, 34.	1.2	24
49	Geometric accuracy of a novel gimbals based radiation therapy tumor tracking system. Radiotherapy and Oncology, 2011, 98, 365-372.	0.3	164
50	Single Fraction Versus Fractionated Linac-Based Stereotactic Radiotherapy for Vestibular Schwannoma: A Single-Institution Experience. International Journal of Radiation Oncology Biology Physics, 2011, 81, e503-e509.	0.4	86
51	Gamma Knife, CyberKnife, TomoTherapy. Current Opinion in Neurology, 2011, 24, 616-625.	1.8	26
52	Daily Megavoltage Computed Tomography in Lung Cancer Radiotherapy: Correlation Between Volumetric Changes and Local Outcome. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1338-1342.	0.4	18
53	Prospective, Risk-Adapted Strategy of Stereotactic Body Radiotherapy for Early-Stage Nonâ€“Small-Cell Lung Cancer: Results of a Phase II Trial. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1343-1349.	0.4	176
54	Phase II study of helical tomotherapy for oligometastatic colorectal cancer. Annals of Oncology, 2011, 22, 362-368.	0.6	27

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55	SU-E-J-152: Improving 4D CBCT Image Quality by Using Tumor Trajectory Based Rebinning with Orthogonal Dual Source KV Imaging of the Novel VERO System. Medical Physics, 2011, 38, 3478-3478.	1.6	0
56	SU-E-T-454: Feasibilty of Image-Guided Total Marrow Irradiation Using Helical TomoTherapy. Medical Physics, 2011, 38, 3593-3593.	1.6	0
57	An in-house developed resettable MOSFET dosimeter for radiotherapy. Physics in Medicine and Biology, 2010, 55, N97-N109.	1.6	8
58	The effect of tomotherapy imaging beam output instabilities on dose calculation. Physics in Medicine and Biology, 2010, 55, N329-N336.	1.6	14
59	Gating and tracking, 4D in thoracic tumours. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2010, 14, 446-454.	0.6	51
60	SUâ€GGâ€Tâ€369: An Inâ€House Developed MOSFET Dosimeter with Reset Capabilities. Medical Physics, 2010, 37, 3271-3271.	1.6	0
61	Treatment delivery time optimization of respiratory gated radiation therapy by application of audio-visual feedback. Radiotherapy and Oncology, 2009, 91, 330-335.	0.3	50
62	Dosimetric assessment of static and helical TomoTherapy in the clinical implementation of breast cancer treatments. Radiotherapy and Oncology, 2009, 93, 71-79.	0.3	69
63	SU-FF-J-144: Stability Assessment of MVCT Imaging for Dose Calculation Purposes. Medical Physics, 2009, 36, 2510-2510.	1.6	0
64	SU-FF-T-551: From Frame-Based to Frameless Radiosurgery. Medical Physics, 2009, 36, 2651-2651.	1.6	0
65	SU-FF-J-141: Volumetric Response Analysis During Chemoradiation as Predictive Tool for Optimizing Treatment Strategy in Locally Advanced Unresectable NSCLC. Medical Physics, 2009, 36, 2509-2509.	1.6	0
66	An overview of volumetric imaging technologies and their quality assurance for IGRT. Acta OncolÃ³gica, 2008, 47, 1271-1278.	0.8	49
67	Medical Physics Principles of Radiosurgery. , 2007, 20, 43-49.		1
68	In vivo Estimation of Extracranial Doses in Stereotactic Radiosurgery with the Gamma Knife and Novalis Systems. , 2006, 6, 36-49.		6