Margie Hunt

List of Publications by Citations

88 papers	6,780 citations	37 h-index	82 g-index
93 ext. papers	7,574 ext. citations	2.4 avg, IF	5.19 L-index

#	Paper	IF	Citations
88	High-dose intensity modulated radiation therapy for prostate cancer: early toxicity and biochemical outcome in 772 patients. *International Journal of Radiation Oncology Biology Physics*, **2002**, 53, 1111-6	4	644
87	HIGH DOSE RADIATION DELIVERED BY INTENSITY MODULATED CONFORMAL RADIOTHERAPY IMPROVES THE OUTCOME OF LOCALIZED PROSTATE CANCER. *Journal of Urology*, **2001**, 166, 876-881	2.5	550
86	Incidence of late rectal and urinary toxicities after three-dimensional conformal radiotherapy and intensity-modulated radiotherapy for localized prostate cancer. *International Journal of Radiation Oncology Biology Physics*, **2008**, 70, 1124-9	4	517
85	Clinical experience with intensity modulated radiation therapy (IMRT) in prostate cancer. *Radiotherapy and Oncology*, **2000**, 55, 241-9	5.3	424
84	Long-term outcome of high dose intensity modulated radiation therapy for patients with clinically localized prostate cancer. *Journal of Urology*, **2006**, 176, 1415-9	2.5	362
83	Improved clinical outcomes with high-dose image guided radiotherapy compared with non-IGRT for the treatment of clinically localized prostate cancer. *International Journal of Radiation Oncology Biology Physics*, **2012**, 84, 125-9	4	347
82	The deep inspiration breath-hold technique in the treatment of inoperable non-small-cell lung cancer. *International Journal of Radiation Oncology Biology Physics*, **2000**, 48, 81-7	4	328
81	Long-term results of conformal radiotherapy for prostate cancer: impact of dose escalation on biochemical tumor control and distant metastases-free survival outcomes. *International Journal of Radiation Oncology Biology Physics*, **2008**, 71, 1028-33	4	251
80	Intensity-modulated radiation therapy for the treatment of oropharyngeal carcinoma: the Memorial Sloan-Kettering Cancer Center experience. *International Journal of Radiation Oncology Biology Physics*, **2006**, 64, 363-73	4	246
79	Intensity-modulated tangential beam irradiation of the intact breast. *International Journal of Radiation Oncology Biology Physics*, **1999**, 44, 1155-64	4	227
78	Ultra-high dose (86.4 Gy) IMRT for localized prostate cancer: toxicity and biochemical outcomes. *International Journal of Radiation Oncology Biology Physics*, **2008**, 71, 330-7	4	203
77	Volumetric modulated arc therapy: planning and evaluation for prostate cancer cases. *International Journal of Radiation Oncology Biology Physics*, **2010**, 76, 1456-62	4	174
76	Ten-year outcomes of high-dose, intensity-modulated radiotherapy for localized prostate cancer. *Cancer*, **2011**, 117, 1429-37	6.4	166
75	Conformal technique dose escalation for prostate cancer: biochemical evidence of improved cancer control with higher doses in patients with pretreatment prostate-specific antigen > or = 10 NG/ML. *International Journal of Radiation Oncology Biology Physics*, **1996**, 35, 861-8	4	142
74	Intensity-modulated stereotactic radiotherapy of paraspinal tumors: a preliminary report. *Neurosurgery*, **2004**, 54, 823-30; discussion 830-1	3.2	128
73	High dose radiation delivered by intensity modulated conformal radiotherapy improves the outcome of localized prostate cancer. *Journal of Urology*, **2001**, 166, 876-81	2.5	127
72	Intensity-modulated radiotherapy in high-grade gliomas: clinical and dosimetric results. *International Journal of Radiation Oncology Biology Physics*, **2006**, 64, 892-7	4	109

71	Impact of dose to the bladder trigone on long-term urinary function after high-dose intensity modulated radiation therapy for localized prostate cancer. *International Journal of Radiation Oncology Biology Physics*, **2014**, 88, 339-44	4	98
70	Esophageal toxicity from high-dose, single-fraction paraspinal stereotactic radiosurgery. *International Journal of Radiation Oncology Biology Physics*, **2012**, 83, e661-7	4	95
69	Predictors of local control after single-dose stereotactic image-guided intensity-modulated radiotherapy for extracranial metastases. *International Journal of Radiation Oncology Biology Physics*, **2011**, 79, 1151-7	4	92
68	Intensity-modulated radiation therapy: supportive data for prostate cancer. *Seminars in Radiation Oncology*, **2008**, 18, 48-57	5.5	88
67	IMRT of large fields: whole-abdomen irradiation. *International Journal of Radiation Oncology Biology Physics*, **2002**, 54, 278-89	4	86
66	Intensity-modulated radiotherapy for soft tissue sarcoma of the thigh. *International Journal of Radiation Oncology Biology Physics*, **2004**, 59, 752-9	4	85
65	A simplified intensity modulated radiation therapy technique for the breast. *Medical Physics*, **2002**, 29, 522-9	4.4	84
64	Intensity-modulated radiotherapy for lymphoma involving the mediastinum. *International Journal of Radiation Oncology Biology Physics*, **2005**, 62, 198-206	4	78
63	Clinical workflow for MR-only simulation and planning in prostate. *Radiation Oncology*, **2017**, 12, 119	4.2	73
62	Technological advances in external-beam radiation therapy for the treatment of localized prostate cancer. *Seminars in Oncology*, **2003**, 30, 596-615	5.5	69
61	Comparison of tumor control and toxicity outcomes of high-dose intensity-modulated radiotherapy and brachytherapy for patients with favorable risk prostate cancer. *Urology*, **2011**, 77, 986-90	1.6	65
60	Accurate setup of paraspinal patients using a noninvasive patient immobilization cradle and portal imaging. *Medical Physics*, **2005**, 32, 2606-14	4.4	56
59	Optimization of collimator trajectory in volumetric modulated arc therapy: development and evaluation for paraspinal SBRT. *International Journal of Radiation Oncology Biology Physics*, **2010**, 77, 591-9	4	54
58	Choreographing couch and collimator in volumetric modulated arc therapy. *International Journal of Radiation Oncology Biology Physics*, **2011**, 80, 1238-47	4	51
57	Choosing an intensity-modulated radiation therapy technique in the treatment of head-and-neck cancer. *International Journal of Radiation Oncology Biology Physics*, **2007**, 68, 1299-309	4	50
56	Radiation treatment planning techniques for lymphoma of the stomach. *International Journal of Radiation Oncology Biology Physics*, **2005**, 62, 745-51	4	48
55	Interobserver variability in radiation therapy plan output: Results of a single-institution study. *Practical Radiation Oncology*, **2016**, 6, 442-449	2.8	46
54	Evaluating inter-campus plan consistency using a knowledge based planning model. *Radiotherapy and Oncology*, **2016**, 120, 349-55	5.3	44

53	Acquisition of MV-scatter-free kilovoltage CBCT images during RapidArc or VMAT. *Radiotherapy and Oncology*, **2011**, 100, 145-9	5.3	42
52	Postmastectomy intensity modulated radiation therapy following immediate expander-implant reconstruction. *Radiotherapy and Oncology*, **2010**, 94, 319-23	5.3	42
51	Patterns and predictors of amelioration of genitourinary toxicity after high-dose intensity-modulated radiation therapy for localized prostate cancer: implications for defining postradiotherapy urinary toxicity. *European Urology*, **2013**, 64, 931-8	10.2	32
50	Direct Comparison of Respiration-Correlated Four-Dimensional Magnetic Resonance Imaging Reconstructed Using Concurrent Internal Navigator and External Bellows. *International Journal of Radiation Oncology Biology Physics*, **2017**, 97, 596-605	4	30
49	Institutional experience with SRS VMAT planning for multiple cranial metastases. *Journal of Applied Clinical Medical Physics*, **2018**, 19, 176-183	2.3	26
48	Clinical experience with two frameless stereotactic radiosurgery (fSRS) systems using optical surface imaging for motion monitoring. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 149-162	2.3	25
47	Intensity-modulated radiation therapy for breast: is it for everyone?. *Seminars in Radiation Oncology* , **2011**, 21, 51-4	5.5	25
46	Image-fusion of MR spectroscopic images for treatment planning of gliomas. *Medical Physics*, **2006**, 33, 32-40	4.4	25
45	Practice-based evidence to evidence-based practice: building the National Radiation Oncology Registry. *Journal of Oncology Practice*, **2013**, 9, e90-5	3.1	22
44	Are the axillary lymph nodes treated by standard tangent breast fields?. *Journal of Surgical Oncology*, **2002**, 81, 12-6; discussion 17-8	2.8	22
43	Automatic tracking of arbitrarily shaped implanted markers in kilovoltage projection images: a feasibility study. *Medical Physics*, **2014**, 41, 071906	4.4	21
42	Novel Super-Resolution Approach to Time-Resolved Volumetric 4-Dimensional Magnetic Resonance Imaging With High Spatiotemporal Resolution for Multi-Breathing Cycle Motion Assessment. *International Journal of Radiation Oncology Biology Physics*, **2017**, 98, 454-462	4	19
41	Weekly response assessment of involved lymph nodes to radiotherapy using diffusion-weighted MRI in oropharynx squamous cell carcinoma. *Medical Physics*, **2016**, 43, 137	4.4	16
40	Early Tolerance and Tumor Control Outcomes with High-dose Ultrahypofractionated Radiation Therapy for Prostate Cancer. *European Urology Oncology*, **2020**, 3, 748-755	6.7	16
39	Effect of MLC leaf width and PTV margin on the treatment planning of intensity-modulated stereotactic radiosurgery (IMSRS) or radiotherapy (IMSRT). *Medical Dosimetry*, **2009**, 34, 110-6	1.3	15
38	Determination of action thresholds for electromagnetic tracking system-guided hypofractionated prostate radiotherapy using volumetric modulated arc therapy. *Medical Physics*, **2011**, 38, 4001-8	4.4	15
37	Segmenting lung tumors on longitudinal imaging studies via a patient-specific adaptive convolutional neural network. *Radiotherapy and Oncology*, **2019**, 131, 101-107	5.3	14
36	Clinical evaluation of 4D MRI in the delineation of gross and internal tumor volumes in comparison with 4DCT. *Journal of Applied Clinical Medical Physics*, **2019**, 20, 51-60	2.3	12

35	Design and validation of a MV/kV imaging-based markerless tracking system for assessing real-time lung tumor motion. *Medical Physics*, **2018**, 45, 5555-5563	4.4	11
34	Modeling positioning uncertainties of prostate cancer external beam radiation therapy using pre-treatment data. *Radiotherapy and Oncology*, **2014**, 110, 251-5	5.3	9
33	HIGH DOSE RADIATION DELIVERED BY INTENSITY MODULATED CONFORMAL RADIOTHERAPY IMPROVES THE OUTCOME OF LOCALIZED PROSTATE CANCER. *Journal of Urology*, **2001**, 876-881	2.5	9
32	Dose calculation for hypofractionated volumetric-modulated arc therapy: approximating continuous arc delivery and tongue-and-groove modeling. *Journal of Applied Clinical Medical Physics* , **2016**, 17, 3-13	2.3	9
31	Comparison of Motion-Insensitive T2-Weighted MRI Pulse Sequences for Visualization of the Prostatic Urethra During MR Simulation. *Practical Radiation Oncology*, **2019**, 9, e534-e540	2.8	9
30	Dynamic multiatlas selection-based consensus segmentation of head and neck structures from CT images. *Medical Physics*, **2019**, 46, 5612-5622	4.4	8
29	Incorporation of treatment plan spatial and temporal dose patterns into a prostate intrafractional motion management strategy. *Medical Physics*, **2012**, 39, 5429-36	4.4	8
28	Impact of daily soft-tissue image guidance to prostate on pelvic lymph node (PLN) irradiation for prostate patients receiving SBRT. *Journal of Applied Clinical Medical Physics*, **2019**, 20, 121-127	2.3	7
27	Clinical experience and workflow challenges with magnetic resonance-only radiation therapy simulation and planning for prostate cancer. *Physics and Imaging in Radiation Oncology*, **2020**, 16, 43-49	3.1	6
26	Robust plan optimization for electromagnetic transponder guided hypo-fractionated prostate treatment using volumetric modulated arc therapy. *Physics in Medicine and Biology*, **2013**, 58, 7803-13	3.8	6
25	Prostate SBRT With Intrafraction Motion Management Using a Novel Linear Accelerator-Based MV-kV Imaging Method. *Practical Radiation Oncology*, **2020**, 10, e388-e396	2.8	6
24	Diffusion-weighted MRI of the lung at 3T evaluated using echo-planar-based and single-shot turbo spin-echo-based acquisition techniques for radiotherapy applications. *Journal of Applied Clinical Medical Physics*, **2019**, 20, 284-292	2.3	6
23	Efficiency and safety increases after the implementation of a multi-institutional automated plan check tool at our institution. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 51-58	2.3	5
22	Optimizing fiducial visibility on periodically acquired megavoltage and kilovoltage image pairs during prostate volumetric modulated arc therapy. *Medical Physics*, **2016**, 43, 2024	4.4	5
21	The effect of significant tumor reduction on the dose distribution in intensity modulated radiation therapy for head-and-neck cancer: a case study. *Medical Dosimetry*, **2009**, 34, 250-5	1.3	5
20	Developing a MLC modifier program to improve fiducial detection for MV/kV imaging during hypofractionated prostate volumetric modulated arc therapy. *Journal of Applied Clinical Medical Physics*, **2019**, 20, 120-124	2.3	4
19	Intrafractional 3D localization using kilovoltage digital tomosynthesis for sliding-window intensity modulated radiation therapy. *Physics in Medicine and Biology*, **2015**, 60, N335-44	3.8	4
18	Dose correction strategy for the optimization of volumetric modulated arc therapy. *Medical Physics*, **2010**, 37, 2441-4	4.4	4

17	Measurement of IMRT Head and Neck Setup Error Using an On-board Kilovoltage Imager. *International Journal of Radiation Oncology Biology Physics*, **2005**, 63, S353-S354	4	4
16	Strict bladder filling and rectal emptying during prostate SBRT: Does it make a dosimetric or clinical difference?. *Radiation Oncology*, **2020**, 15, 239	4.2	4
15	Image-guided radiotherapy reduces the risk of under-dosing high-risk prostate cancer extra-capsular disease and improves biochemical control. *Radiation Oncology*, **2018**, 13, 64	4.2	3
14	Technical Note: A custom-designed flexible MR coil array for spine radiotherapy treatment planning. *Medical Physics*, **2020**, 47, 3143-3152	4.4	2
13	Morphologic Features of Magnetic Resonance Imaging as a Surrogate of Capsular Contracture in Breast Cancer Patients With Implant-based Reconstructions. *International Journal of Radiation Oncology Biology Physics*, **2017**, 97, 411-419	4	2
12	Breast IMRT: the potential for treatment improvement with intensity modulation in left-sided disease. *International Journal of Radiation Oncology Biology Physics*, **2000**, 48, 298	4	2
11	Technical Note: 3D localization of lung tumors on cone beam CT projections via a convolutional recurrent neural network. *Medical Physics*, **2020**, 47, 1161-1166	4.4	2
10	Measuring uncertainty in dose delivered to the cochlea due to setup error during external beam treatment of patients with cancer of the head and neck. *Medical Physics*, **2013**, 40, 121724	4.4	1
9	In regard to Urie et al.: current calibration treatment, and treatment planning techniques among institutions participating in the Children□ Oncology Group. IJROBP 2003;55:245-260. *International Journal of Radiation Oncology Biology Physics*, **2003**, 56, 1209-10	4	1
8	Optimal matchline blocking and matchline dosimetry for lymphoma patients. *Medical Dosimetry*, **2000**, 25, 231-6	1.3	1
7	TU-C-213CD-04: Tracking Implanted Fiducials Using Kilovoltage (kV) Projection Images: A Feasibility Study. *Medical Physics*, **2012**, 39, 3903-3903	4.4	1
6	Effects of irregular respiratory motion on the positioning accuracy of moving target with free breathing cone-beam computerized tomography. *International Journal of Medical Physics, Clinical Engineering and Radiation Oncology*, **2018**, 7, 173-183	0.1	1
5	Traditional and Modern Techniques for Radiation Treatment Planning **2011**, 123-151		1
4	Impact of varying air cavity on planning dosimetry for rectum patients treated on a 1.5□T hybrid MR-linac system. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 144-152	2.3	1
3	Couch and multileaf collimator tracking: A clinical feasibility study for pancreas and liver treatment. *Medical Physics*, **2020**, 47, 4743-4757	4.4	1
2	Deep learning auto-segmentation and automated treatment planning for trismus risk reduction in head and neck cancer radiotherapy. *Physics and Imaging in Radiation Oncology*, **2021**, 19, 96-101	3.1	0
1	Treatment Planning Considerations for Prostate SBRT and MRI Based Planning **2019**, 17-41		