

# Michael T Gillin

## List of Publications by Year in descending order

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29  
papers

914  
citations

566801

15  
h-index

552369

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

790  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commissioning of the discrete spot scanning proton beam delivery system at the University of Texas M.D. Anderson Cancer Center, Proton Therapy Center, Houston. <i>Medical Physics</i> , 2010, 37, 154-163.	1.6	236
2	Clinical Outcomes and Patterns of Disease Recurrence After Intensity Modulated Proton Therapy for Oropharyngeal Squamous Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 360-367.	0.4	88
3	Patient-Specific Quality Assurance for Prostate Cancer Patients Receiving Spot Scanning Proton Therapy Using Single-Field Uniform Dose. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 552-559.	0.4	71
4	Experimental characterization of the low-dose envelope of spot scanning proton beams. <i>Physics in Medicine and Biology</i> , 2010, 55, 3467-3478.	1.6	69
5	Use of treatment log files in spot scanning proton therapy as part of patient-specific quality assurance. <i>Medical Physics</i> , 2013, 40, 021703.	1.6	60
6	Towards Effective and Efficient Patient-Specific Quality Assurance for Spot Scanning Proton Therapy. <i>Cancers</i> , 2015, 7, 631-647.	1.7	59
7	Monte Carlo investigation of the low-dose envelope from scanned proton pencil beams. <i>Physics in Medicine and Biology</i> , 2010, 55, 711-721.	1.6	58
8	An <scp>MCNPX</scp> Monte Carlo model of a discrete spot scanning proton beam therapy nozzle. <i>Medical Physics</i> , 2010, 37, 4960-4970.	1.6	49
9	Improving spot scanning proton therapy patient specific quality assurance with HPlusQA, a second check dose calculation engine. <i>Medical Physics</i> , 2013, 40, 121708.	1.6	32
10	Intensity-Modulated Proton Therapy Adaptive Planning for Patients with Oropharyngeal Cancer. <i>International Journal of Particle Therapy</i> , 2017, 4, 26-34.	0.9	26
11	A single-field integrated boost treatment planning technique for spot scanning proton therapy. <i>Radiation Oncology</i> , 2014, 9, 202.	1.2	24
12	Quantitative analysis of beam delivery parameters and treatment process time for proton beam therapy. <i>Medical Physics</i> , 2011, 38, 4329-4337.	1.6	20
13	A procedure to determine the planar integral spot dose values of proton pencil beam spots. <i>Medical Physics</i> , 2012, 39, 891-900.	1.6	20
14	Spot-Scanning Proton Therapy Patient-Specific Quality Assurance: Results from 309 Treatment Plans. <i>International Journal of Particle Therapy</i> , 2014, 1, 711-720.	0.9	20
15	Quantitative analysis of treatment process time and throughput capacity for spot scanning proton therapy. <i>Medical Physics</i> , 2016, 43, 3975-3986.	1.6	17
16	Patient dosimetry for total body irradiation using single-use MOSFET detectors. <i>Journal of Applied Clinical Medical Physics</i> , 2008, 9, 200-205.	0.8	12
17	Characterization of a new physical phantom for testing rigid and deformable image registration. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 145-153.	0.8	12
18	Proton beam therapy for the treatment of prostate cancer. <i>Practical Radiation Oncology</i> , 2013, 3, e87-e94.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Technical Note: Dosimetric characteristics of the ocular beam line and commissioning data for an ocular proton therapy planning system at the Proton Therapy Center Houston. <i>Medical Physics</i> , 2017, 44, 6661-6671.	1.6	7
20	Reimbursement versus effort in medical physics practice in radiation oncology. <i>Journal of Applied Clinical Medical Physics</i> , 2003, 4, 179-187.	0.8	6
21	Reimbursement versus effort in medical physics practice in radiation oncology. <i>Journal of Applied Clinical Medical Physics</i> , 2003, 4, 179.	0.8	5
22	Quality assurance methods for the first Radiation Therapy Oncology Group permanent prostate implant protocol. <i>Brachytherapy</i> , 2006, 5, 152-156.	0.2	4
23	Synchrotron-Based Pencil Beam Scanning Nozzle with an Integrated Mini-Ridge Filter: A Dosimetric Study to Optimize Treatment Delivery. <i>Cancers</i> , 2017, 9, 170.	1.7	4
24	Evaluation of the high definition field of view option of a large-bore computed tomography scanner for radiation therapy simulation. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 13, 44-49.	1.2	3
25	Dose calculation for spot scanning proton therapy with the application of a range shifter. <i>Biomedical Physics and Engineering Express</i> , 2017, 3, 035019.	0.6	2
26	Novel Hybrid Scattering- and Scanning-Beam Proton Therapy Approach. <i>International Journal of Particle Therapy</i> , 2016, 3, 37-50.	0.9	2
27	Effect of output variation with dose rate on the Virtual Wedge factor. <i>Journal of Applied Clinical Medical Physics</i> , 2008, 9, 54-58.	0.8	0
28	Clinical commissioning of pencil beam scanning for intensity-modulated proton therapy. , 2021, , 25-44.e3.		0
29	Intensity-modulated proton therapy patient treatments. , 2021, , 106-114.e2.		0