

Geoffrey Ibbott

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

3,544

citations

26

h-index

59

g-index

70

ext. papers

4,046

ext. citations

3

avg, IF

4.83

L-index

#	Paper	IF	Citations
67	Update of AAPM Task Group No. 43 Report: A revised AAPM protocol for brachytherapy dose calculations. <i>Medical Physics</i> , 2004 , 31, 633-74	4.4	1158
66	The report of Task Group 100 of the AAPM: Application of risk analysis methods to radiation therapy quality management. <i>Medical Physics</i> , 2016 , 43, 4209	4.4	216
65	Dose calculation for photon-emitting brachytherapy sources with average energy higher than 50 keV: report of the AAPM and ESTRO. <i>Medical Physics</i> , 2012 , 39, 2904-29	4.4	169
64	A dosimetric uncertainty analysis for photon-emitting brachytherapy sources: report of AAPM Task Group No. 138 and GEC-ESTRO. <i>Medical Physics</i> , 2011 , 38, 782-801	4.4	161
63	Addendum to the AAPM's TG-51 protocol for clinical reference dosimetry of high-energy photon beams. <i>Medical Physics</i> , 2014 , 41, 041501	4.4	159
62	Prognostic value and reproducibility of pretreatment CT texture features in stage III non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 90, 834-42	4	140
61	Challenges in credentialing institutions and participants in advanced technology multi-institutional clinical trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, S71-5	4	124
60	Design and implementation of an anthropomorphic quality assurance phantom for intensity-modulated radiation therapy for the Radiation Therapy Oncology Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 577-83	4	112
59	Reference dosimetry in magnetic fields: formalism and ionization chamber correction factors. <i>Medical Physics</i> , 2016 , 43, 4915	4.4	100
58	Spatial Precision in Magnetic Resonance Imaging-Guided Radiation Therapy: The Role of Geometric Distortion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 95, 1304-16	4	87
57	Design, development, and implementation of the radiological physics center's pelvis and thorax anthropomorphic quality assurance phantoms. <i>Medical Physics</i> , 2007 , 34, 2070-6	4.4	85
56	American Society for Therapeutic Radiology and Oncology (ASTRO) and American College of Radiology (ACR) Practice Guidelines for Intensity-Modulated Radiation Therapy (IMRT). <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 9-14	4	64
55	Stage III Non-Small Cell Lung Cancer: Prognostic Value of FDG PET Quantitative Imaging Features Combined with Clinical Prognostic Factors. <i>Radiology</i> , 2016 , 278, 214-22	20.5	59
54	Reference photon dosimetry data and reference phase space data for the 6 MV photon beam from varian clinac 2100 series linear accelerators. <i>Medical Physics</i> , 2005 , 32, 137-48	4.4	57
53	Third-party brachytherapy source calibrations and physicist responsibilities: report of the AAPM Low Energy Brachytherapy Source Calibration Working Group. <i>Medical Physics</i> , 2008 , 35, 3860-5	4.4	53
52	Independent evaluations of IMRT through the use of an anthropomorphic phantom. <i>Technology in Cancer Research and Treatment</i> , 2006 , 5, 481-7	2.7	53
51	The Radiological Physics Center's standard dataset for small field size output factors. <i>Journal of Applied Clinical Medical Physics</i> , 2012 , 13, 3962	2.3	46

50	Safety considerations for IMRT: executive summary. <i>Medical Physics</i> , 2011 , 38, 5067-72	4.4	41
49	Guidelines by the AAPM and GEC-ESTRO on the use of innovative brachytherapy devices and applications: Report of Task Group 167. <i>Medical Physics</i> , 2016 , 43, 3178-3205	4.4	41
48	Recommendations of the American Association of Physicists in Medicine regarding the impact of implementing the 2004 task group 43 report on dose specification for 103Pd and 125I interstitial brachytherapy. <i>Medical Physics</i> , 2005 , 32, 1424-39	4.4	39
47	Technical note: Heterogeneity dose calculation accuracy in IMRT: study of five commercial treatment planning systems using an anthropomorphic thorax phantom. <i>Medical Physics</i> , 2008 , 35, 5434-44	4.4	35
46	Safety considerations for IMRT: Executive summary. <i>Practical Radiation Oncology</i> , 2011 , 1, 190-5	2.8	34
45	Procedures for establishing and maintaining consistent air-kerma strength standards for low-energy, photon-emitting brachytherapy sources: recommendations of the Calibration Laboratory Accreditation Subcommittee of the American Association of Physicists in Medicine. <i>Medical Physics</i> , 2004 , 31, 175-81	4.4	32
44	Investigation of magnetic field effects on the dose-response of 3D dosimeters for magnetic resonance - image guided radiation therapy applications. <i>Radiotherapy and Oncology</i> , 2017 , 125, 426-432 ^{5.3}	5.3	31
43	A reanalysis of the Collaborative Ocular Melanoma Study Medium Tumor Trial eye plaque dosimetry. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 56, 889-98	4	26
42	Quality assurance for clinical trials. <i>Frontiers in Oncology</i> , 2013 , 3, 311	5.3	23
41	Supplement 2 for the 2004 update of the AAPM Task Group No. 43 Report: Joint recommendations by the AAPM and GEC-ESTRO. <i>Medical Physics</i> , 2017 , 44, e297-e338	4.4	22
40	AAPM Task Group 103 report on peer review in clinical radiation oncology physics. <i>Journal of Applied Clinical Medical Physics</i> , 2005 , 6, 50-64	2.3	21
39	MRI characterization of cobalt dichloride-N-acetyl cysteine (C4) contrast agent marker for prostate brachytherapy. <i>Physics in Medicine and Biology</i> , 2014 , 59, 2505-16	3.8	20
38	Dose specification and quality assurance of radiation therapy oncology group protocol 95-17; a cooperative group study of iridium-192 breast implants as sole therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 69, 1572-8	4	19
37	On the feasibility of comprehensive high-resolution 3D remote dosimetry. <i>Medical Physics</i> , 2014 , 41, 071706	4.4	18
36	Factors associated with radiation therapy incidents in a large academic institution. <i>Practical Radiation Oncology</i> , 2015 , 5, 21-7	2.8	17
35	Effect of pulse sequence parameter selection on signal strength in positive-contrast MRI markers for MRI-based prostate postimplant assessment. <i>Medical Physics</i> , 2016 , 43, 4312	4.4	15
34	Real-time volumetric relative dosimetry for magnetic resonance-image-guided radiation therapy (MR-IGRT). <i>Physics in Medicine and Biology</i> , 2018 , 63, 045021	3.8	14
33	Development of a magnetic resonance imaging protocol to visualize encapsulated contrast agent markers in prostate brachytherapy recipients: initial patient experience. <i>Journal of Contemporary Brachytherapy</i> , 2016 , 8, 235-42	1.9	14

32	Interstitial Brachytherapy for the Treatment of Locally Recurrent Anorectal Cancer. <i>Annals of Surgical Oncology</i> , 2015 , 22 Suppl 3, S596-602	3.1	13
31	Evaluations of secondary cancer risk in spine radiotherapy using 3DCRT, IMRT, and VMAT: A phantom study. <i>Medical Dosimetry</i> , 2015 , 40, 70-5	1.3	12
30	Assessment of image quality and scatter and leakage radiation of an integrated MR-LINAC system. <i>Medical Physics</i> , 2018 , 45, 1204-1209	4.4	12
29	Anisotropy characterization of I-125 seed with attached encapsulated cobalt chloride complex contrast agent markers for MRI-based prostate brachytherapy. <i>Medical Dosimetry</i> , 2011 , 36, 200-5	1.3	12
28	AAPM Task Group 103 report on peer review in clinical radiation oncology physics. <i>Journal of Applied Clinical Medical Physics</i> , 2005 , 6, 50-64	2.3	12
27	Potential Use of (18)F-fluorodeoxyglucose Positron Emission Tomography-Based Quantitative Imaging Features for Guiding Dose Escalation in Stage III Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 94, 368-76	4	12
26	Prospective study of the feasibility and dosimetric advantages of MRI-guided dose adaptation for human papillomavirus positive oropharyngeal cancer patients compared with standard IMRT. <i>Clinical and Translational Radiation Oncology</i> , 2018 , 11, 11-18	4.6	12
25	Dose-rate constant for Imagyn 125I brachytherapy source. <i>Medical Physics</i> , 2001 , 28, 705	4.4	9
24	The American College of Radiology and the American Brachytherapy Society practice parameter for the performance of low-dose-rate brachytherapy. <i>Brachytherapy</i> , 2017 , 16, 68-74	2.4	7
23	TG-51: Experience from 150 institutions, common errors, and helpful hints. <i>Journal of Applied Clinical Medical Physics</i> , 2003 , 4, 102	2.3	7
22	Independent dose per monitor unit review of eight U.S.A. proton treatment facilities. <i>Medical Physics</i> , 2014 , 41, 012103	4.4	6
21	Navigating the medical physics education and training landscape. <i>Journal of Applied Clinical Medical Physics</i> , 2017 , 18, 275-287	2.3	5
20	Reference photon dosimetry data: A preliminary study of in-air off-axis factor, percentage depth dose, and output factor of the Siemens Primus linear accelerator. <i>Journal of Applied Clinical Medical Physics</i> , 2003 , 4, 300	2.3	5
19	Modification and validation of an analytical source model for external beam radiotherapy Monte Carlo dose calculations. <i>Medical Physics</i> , 2016 , 43, 4842	4.4	5
18	Low-density gel dosimeter for measurement of the electron return effect in an MR-linac. <i>Physics in Medicine and Biology</i> , 2019 , 64, 205016	3.8	4
17	The MD Anderson experience with 3D dosimetry and an MR-linac. <i>Journal of Physics: Conference Series</i> , 2019 , 1305, 012011	0.3	4
16	Reference photon dosimetry data: a preliminary study of in-air off-axis factor, percentage depth dose, and output factor of the Siemens Primus linear accelerator. <i>Journal of Applied Clinical Medical Physics</i> , 2003 , 4, 300-6	2.3	4
15	Dosimetric characterisation of anthropomorphic PRESAGE [®] dosimeter and EBT2 film for partial breast radiotherapy. <i>Journal of Radiotherapy in Practice</i> , 2018 , 17, 96-103	0.4	4

14	Gel dosimetry enables volumetric evaluation of dose distributions from an MR-guided linac 2016 ,		3
13	Anthropomorphic breast phantoms for quality assurance and dose verification. <i>Journal of Applied Clinical Medical Physics</i> , 2004 , 5, 36-49	2.3	2
12	The need for, and implementation of, image guidance in radiation therapy. <i>Annals of the ICRP</i> , 2018 , 47, 160-176	2.4	1
11	Dosimetric feasibility of an anthropomorphic three-dimensional PRESAGE [®] dosimeter for verification of single entry hybrid catheter accelerated partial breast brachytherapy. <i>Journal of Radiotherapy in Practice</i> , 2018 , 17, 403-410	0.4	1
10	Development of a Monte Carlo multiple source model for inclusion in a dose calculation auditing tool. <i>Medical Physics</i> , 2017 , 44, 4943-4951	4.4	1
9	US contributions to international standards for medical electrical equipment. <i>Journal of the American College of Radiology</i> , 2012 , 9, 218-20	3.5	1
8	Response to Comment on Calculated absorbed-dose ratios, TG51/TG21, for most widely used cylindrical and parallel-plate ion chambers over a range of photon and electron energies [Med. Phys. 30, 473-477 (2003)]. <i>Medical Physics</i> , 2003 , 30, 478-480	4.4	1
7	Predictability of electron cone ratios with respect to linac make and model. <i>Journal of Applied Clinical Medical Physics</i> , 2003 , 4, 172	2.3	1
6	Overview of dosimetric and biological perspectives on radiosurgery of multiple brain metastases in comparison with whole brain radiotherapy. <i>Journal of Radiosurgery and SBRT</i> , 2015 , 3, 271-279	0.4	1
5	Patient doses from image-guided radiation therapy. <i>Physica Medica</i> , 2020 , 72, 30-31	2.7	0
4	Robert J. Shalek, Ph.D., J.D. <i>Medical Physics</i> , 2016 , 43, 4396	4.4	
3	Development of a flattening filter free multiple source model for use as an independent, Monte Carlo, dose calculation, quality assurance tool for clinical trials. <i>Medical Physics</i> , 2017 , 44, 4952-4960	4.4	
2	Workflow and Quality Assurance in Altered Fractionation. <i>Medical Radiology</i> , 2017 , 31-39	0.2	
1	Medical physicist certification and training program accreditation.. <i>Health and Technology</i> , 2022 , 1-8	2.1	