

# Hugo Palmans

## List of Publications by Citations

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139  
papers

2,821  
citations

29  
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47  
g-index

194  
ext. papers

3,323  
ext. citations

3  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
139	A new formalism for reference dosimetry of small and nonstandard fields. <i>Medical Physics</i> , <b>2008</b> , 35, 5179-86	4.4	391
138	Dosimetry for ion beam radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, R193-234	3.8	125
137	Detector to detector corrections: a comprehensive experimental study of detector specific correction factors for beam output measurements for small radiotherapy beams. <i>Medical Physics</i> , <b>2014</b> , 41, 072103	4.4	105
136	Dosimetry of small static fields used in external photon beam radiotherapy: Summary of TRS-483, the IAEA-AAPM international Code of Practice for reference and relative dose determination. <i>Medical Physics</i> , <b>2018</b> , 45, e1123-e1145	4.4	97
135	LET dependence of GafChromic films and an ion chamber in low-energy proton dosimetry. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 417-33	3.8	87
134	Underdosage of the upper-airway mucosa for small fields as used in intensity-modulated radiation therapy: a comparison between radiochromic film measurements, Monte Carlo simulations, and collapsed cone convolution calculations. <i>Medical Physics</i> , <b>2002</b> , 29, 1528-35	4.4	77
133	Detector dose response in megavoltage small photon beams. I. Theoretical concepts. <i>Medical Physics</i> , <b>2015</b> , 42, 6033-47	4.4	70
132	Monte Carlo dosimetry study of a 6 MV stereotactic radiosurgery unit. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 2755-68	3.8	69
131	Dose measurements compared with Monte Carlo simulations of narrow 6 MV multileaf collimator shaped photon beams. <i>Medical Physics</i> , <b>1999</b> , 26, 1874-82	4.4	65
130	Detector comparison for small field output factor measurements in flattening filter free photon beams. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 109, 356-60	5.3	64
129	Characteristic of EBT-XD and EBT3 radiochromic film dosimetry for photon and proton beams. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 065007	3.8	46
128	A small-body portable graphite calorimeter for dosimetry in low-energy clinical proton beams. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 3737-49	3.8	45
127	Monte Carlo model of the Elekta SLiplus accelerator: validation of a new MLC component module in BEAM for a 6 MV beam. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, 371-85	3.8	44
126	Parameter dependence of the MCNP electron transport in determining dose distributions. <i>Medical Physics</i> , <b>2002</b> , 29, 2446-54	4.4	44
125	Detector dose response in megavoltage small photon beams. II. Pencil beam perturbation effects. <i>Medical Physics</i> , <b>2015</b> , 42, 6048-61	4.4	43
124	Future development of biologically relevant dosimetry. <i>British Journal of Radiology</i> , <b>2015</b> , 88, 20140392	3.4	43
123	On the Monte Carlo simulation of small-field micro-diamond detectors for megavoltage photon dosimetry. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, L1-L10	3.8	42

122	Consistency in reference radiotherapy dosimetry: resolution of an apparent conundrum when $^{60}\text{Co}$ is the reference quality for charged-particle and photon beams. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 6593-621	3.8	39
121	Fluence correction factors in plastic phantoms for clinical proton beams. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 3055-71	3.8	38
120	Ion recombination for ionization chamber dosimetry in a helical tomotherapy unit. <i>Medical Physics</i> , <b>2010</b> , 37, 2876-89	4.4	37
119	Ion recombination correction in the Clatterbridge Centre of Oncology clinical proton beam. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 903-17	3.8	37
118	Beam monitor calibration in scanned light-ion beams. <i>Medical Physics</i> , <b>2016</b> , 43, 5835	4.4	37
117	Water calorimetry and ionization chamber dosimetry in an 85-MeV clinical proton beam. <i>Medical Physics</i> , <b>1996</b> , 23, 643-50	4.4	34
116	Monte Carlo study of fluence perturbation effects on cavity dose response in clinical proton beams. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 65-89	3.8	33
115	Calculated depth dose distributions for proton beams in some low-Z materials. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 1175-83	3.8	31
114	Correction factors and performance of a 4 degrees C sealed water calorimeter. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 627-46	3.8	31
113	Experimental p(wall) and p(cel) correction factors for ionization chambers in low-energy clinical proton beams. <i>Physics in Medicine and Biology</i> , <b>2001</b> , 46, 1187-204	3.8	30
112	Experimental determination of beam quality factors, kQ, for two types of Farmer chamber in a 10 MV photon and a 175 MeV proton beam. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 1503-21	3.8	29
111	Absorbed dose beam quality correction factors kappaQ for the NE2571 chamber in a 5 MV and a 10 MV photon beam. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 647-63	3.8	29
110	Radiochromic film spectroscopy of laser-accelerated proton beams using the FLUKA code and dosimetry traceable to primary standards. <i>Laser and Particle Beams</i> , <b>2011</b> , 29, 231-239	0.9	28
109	On the conversion of dose to bone to dose to water in radiotherapy treatment planning systems. <i>Physics and Imaging in Radiation Oncology</i> , <b>2018</b> , 5, 26-30	3.1	27
108	Perturbation factors for cylindrical ionization chambers in proton beams. Part I: corrections for gradients. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 3483-501	3.8	27
107	Correction factors for A1SL ionization chamber dosimetry in TomoTherapy: machine-specific, plan-class, and clinical fields. <i>Medical Physics</i> , <b>2012</b> , 39, 1964-70	4.4	24
106	Dose response of alanine detectors irradiated with carbon ion beams. <i>Medical Physics</i> , <b>2011</b> , 38, 1859-664.4		23
105	Assigning nonelastic nuclear interaction cross sections to Hounsfield units for Monte Carlo treatment planning of proton beams. <i>Physics in Medicine and Biology</i> , <b>2005</b> , 50, 991-1000	3.8	23

104	The antiproton depth dose curve measured with alanine detectors. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2008</b> , 266, 929-936	1.2	22
103	A systematic Monte Carlo study of secondary electron fluence perturbation in clinical proton beams (70-250 MeV) for cylindrical and spherical ion chambers. <i>Medical Physics</i> , <b>2001</b> , 28, 2088-95	4.4	22
102	Determination of the beam quality index of high-energy photon beams under nonstandard reference conditions. <i>Medical Physics</i> , <b>2012</b> , 39, 5513-9	4.4	21
101	Fluence correction factors and stopping power ratios for clinical ion beams. <i>Acta Oncologica</i> , <b>2011</b> , 50, 797-805	3.2	21
100	Perturbation correction factors for the NACP-02 plane-parallel ionization chamber in water in high-energy electron beams. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 1221-35	3.8	21
99	Evaluation of electromagnetic and nuclear scattering models in GATE/Geant4 for proton therapy. <i>Medical Physics</i> , <b>2019</b> , 46, 2444-2456	4.4	20
98	Implementation of dosimetry equipment and phantoms at the MedAustron light ion beam therapy facility. <i>Medical Physics</i> , <b>2018</b> , 45, 352-369	4.4	20
97	Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 9189-9206	3.8	19
96	Dosimetry auditing procedure with alanine dosimeters for light ion beam therapy. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 108, 99-106	5.3	19
95	Water equivalence of various materials for clinical proton dosimetry by experiment and Monte Carlo simulation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 619, 344-347	1.2	19
94	The alanine detector in BNCT dosimetry: dose response in thermal and epithermal neutron fields. <i>Medical Physics</i> , <b>2015</b> , 42, 400-11	4.4	18
93	Effect of alanine energy response and phantom material on depth dose measurements in ocular proton beams. <i>Technology in Cancer Research and Treatment</i> , <b>2003</b> , 2, 579-86	2.7	18
92	The challenge of ionisation chamber dosimetry in ultra-short pulsed high dose-rate Very High Energy Electron beams. <i>Scientific Reports</i> , <b>2020</b> , 10, 9089	4.9	17
91	Dosimetry using plane-parallel ionization chambers in a 75 MeV clinical proton beam. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 2895-905	3.8	17
90	Ion recombination correction factor in scanned light-ion beams for absolute dose measurement using plane-parallel ionisation chambers. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 5365-5382	3.8	16
89	On charged particle equilibrium violation in external photon fields. <i>Medical Physics</i> , <b>2012</b> , 39, 1473-80	4.4	16
88	Fluence correction factors for graphite calorimetry in a low-energy clinical proton beam: I. Analytical and Monte Carlo simulations. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 3481-99	3.8	16
87	An absorbed dose calorimeter for IMRT dosimetry. <i>Metrologia</i> , <b>2012</b> , 49, S168-S173	2.1	16

86	On the effective point of measurement of cylindrical ionization chambers for proton beams and other heavy charged particle beams. <i>Physics in Medicine and Biology</i> , <b>2000</b> , 45, L20-3	3.8	15
85	Ion recombination correction in carbon ion beams. <i>Medical Physics</i> , <b>2016</b> , 43, 4198	4.4	15
84	Evaluation of the water-equivalence of plastic materials in low- and high-energy clinical proton beams. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3883-3901	3.8	14
83	Validation of a Monte Carlo model of a NACP-02 plane-parallel ionization chamber model using electron backscatter experiments. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, N119-26	3.8	14
82	Monte carlo modelling of a clinical proton beam-line for the treatment of ocular tumours. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 562, 1005-1008	1.2	14
81	Dose detectors, sensors, and their applications. <i>Medical Physics</i> , <b>2018</b> , 45, e1051-e1072	4.4	14
80	Design concept for a novel SQUID-based microdosimeter. <i>Radiation Protection Dosimetry</i> , <b>2011</b> , 143, 427-31	0.9	13
79	Absorbed dose to water based dosimetry versus air kerma based dosimetry for high-energy photon beams: an experimental study. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 421-40	3.8	13
78	SU-FF-T-195: Dosimetry Audit for Tomotherapy Using Alanine/EPR. <i>Medical Physics</i> , <b>2006</b> , 33, 2093-2094	4.4	12
77	Dose determination using alanine detectors in a mixed neutron and gamma field for boron neutron capture therapy of liver malignancies. <i>Acta Oncologica</i> , <b>2011</b> , 50, 817-22	3.2	11
76	Dose calculation in biological samples in a mixed neutron-gamma field at the TRIGA reactor of the University of Mainz. <i>Acta Oncologica</i> , <b>2010</b> , 49, 1165-9	3.2	11
75	NPL's new absorbed dose standard for the calibration of HDR192Ir brachytherapy sources. <i>Metrologia</i> , <b>2012</b> , 49, S184-S188	2.1	11
74	Secondary electron fluence perturbation by high-Z interfaces in clinical proton beams: a Monte Carlo study. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 167-83	3.8	11
73	Conversion from dose-to-graphite to dose-to-water in an 80 MeV/A carbon ion beam. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 5363-80	3.8	10
72	Correction factors for ionization chamber dosimetry in CyberKnife: machine-specific, plan-class, and clinical fields. <i>Medical Physics</i> , <b>2013</b> , 40, 011721	4.4	10
71	Absorbed dose calorimetry. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 05TR02	3.8	10
70	Clinical implementation and commissioning of the MedAustron Particle Therapy Accelerator for non-isocentric scanned proton beam treatments. <i>Medical Physics</i> , <b>2020</b> , 47, 380-392	4.4	10
69	Development and application of a water calorimeter for the absolute dosimetry of short-range particle beams. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 6602-6619	3.8	10

68	A GATE/Geant4 beam model for the MedAustron non-isocentric proton treatment plans quality assurance. <i>Physica Medica</i> , <b>2020</b> , 71, 115-123	2.7	9
67	Comment on "Proton beam monitor chamber calibration" <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 6585-93	3.8	9
66	Commissioning of pencil beam and Monte Carlo dose engines for non-isocentric treatments in scanned proton beam therapy. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 17NT01	3.8	9
65	Consistency in quality correction factors for ionization chamber dosimetry in scanned proton beam therapy. <i>Medical Physics</i> , <b>2017</b> , 44, 4919-4927	4.4	9
64	Biologically Weighted Quantities in Radiotherapy: an EMRP Joint Research Project. <i>EPJ Web of Conferences</i> , <b>2014</b> , 77, 00021	0.3	9
63	An empirical method for the determination of wall perturbation factors for parallel-plate chambers in high-energy electron beams. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 5167-81	3.8	9
62	Characterization of PTW-31015 PinPoint ionization chambers in photon and proton beams. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 185020	3.8	9
61	The influence of nuclear interactions on ionization chamber perturbation factors in proton beams: FLUKA simulations supported by a Fano test. <i>Medical Physics</i> , <b>2019</b> , 46, 885-891	4.4	8
60	Dose- rather than fluence-averaged LET should be used as a single-parameter descriptor of proton beam quality for radiochromic film dosimetry. <i>Medical Physics</i> , <b>2020</b> , 47, 2289-2299	4.4	8
59	End-to-end tests using alanine dosimetry in scanned proton beams. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 055001	3.8	8
58	Experimental and Monte Carlo studies of fluence corrections for graphite calorimetry in low- and high-energy clinical proton beams. <i>Medical Physics</i> , <b>2016</b> , 43, 4122	4.4	8
57	Water equivalence of some plastic-water phantom materials for clinical proton beam dosimetry. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1052-7	1.7	8
56	Analysis of dose perturbation factors of a NACP-02 ionization chamber in clinical electron beams. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 307-26	3.8	8
55	Three-voltage linear method to determine ion recombination in proton and light-ion beams. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 045015	3.8	8
54	Response of synthetic diamond detectors in proton, carbon, and oxygen ion beams. <i>Medical Physics</i> , <b>2017</b> , 44, 5445-5449	4.4	7
53	Comment on "Experimental determination of the PTW 60019 microDiamond dosimeter active area and volume" [Med. Phys. 43, 5205-5212 (2016)]. <i>Medical Physics</i> , <b>2016</b> , 43, 6667	4.4	7
52	Phantom design and dosimetric characterization for multiple simultaneous cell irradiations with active pencil beam scanning. <i>Radiation and Environmental Biophysics</i> , <b>2019</b> , 58, 563-573	2	6
51	Characterization of EBT3 radiochromic films for dosimetry of proton beams in the presence of magnetic fields. <i>Medical Physics</i> , <b>2019</b> , 46, 3278-3284	4.4	6

50	Confirmation of a realistic reactor model for BNCT dosimetry at the TRIGA Mainz. <i>Medical Physics</i> , <b>2014</b> , 41, 111706	4.4	6
49	Under-response of a PTW-60019 microDiamond detector in the Bragg peak of a 62 MeV/n carbon ion beam. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 4551-63	3.8	6
48	Beam monitor calibration of a synchrotron-based scanned light-ion beam delivery system. <i>Zeitschrift Fur Medizinische Physik</i> , <b>2021</b> , 31, 154-165	7.6	6
47	A dosimetry study comparing NCS report-5, IAEA TRS-381, AAPM TG-51 and IAEA TRS-398 in three clinical electron beam energies. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, 1091-107	3.8	5
46	The influence of lack of reference conditions on dosimetry in pre-clinical radiotherapy with medium energy x-ray beams. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 085016	3.8	4
45	Dynamic lung phantom commissioning for 4D dose assessment in proton therapy. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 235001	3.8	4
44	Reference dosimetry for light-ion beams based on graphite calorimetry. <i>Radiation Protection Dosimetry</i> , <b>2014</b> , 161, 92-5	0.9	4
43	SU-EE-A2-02: Present Status of IAEA/AAPM Recommendations on Small and Composite Field Dosimetry. <i>Medical Physics</i> , <b>2010</b> , 37, 3096-3096	4.4	4
42	Theoretical and experimental characterization of novel water-equivalent plastics in clinical high-energy carbon-ion beams. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 7623-7638	3.8	4
41	LET dependence of the response of a PTW-60019 microDiamond detector in a 62MeV proton beam. <i>Physica Medica</i> , <b>2016</b> , 32, 1135-8	2.7	4
40	Reply to "Comments on the TRS-483 Protocol on Small field Dosimetry" [Med. Phys. 45(12), 5666-5668 (2018)]. <i>Medical Physics</i> , <b>2018</b> , 45, 5669-5671	4.4	4
39	Fluence correction factor for graphite calorimetry in a clinical high-energy carbon-ion beam. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, N134-N146	3.8	3
38	Monte Carlo simulation of a TEPC for microdosimetry of carbon ions. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 412-418	2.5	3
37	Characterization of a pixelated silicon microdosimeter in micro-beams of light ions. <i>Radiation Measurements</i> , <b>2020</b> , 133, 106296	1.5	3
36	SU-E-T-408: Determination of KQ,Q0-Factors From Water and Graphite Calorimetry in a 60 MeV Proton Beam. <i>Medical Physics</i> , <b>2014</b> , 41, 319-319	4.4	3
35	An analytical formalism for the assessment of dose uncertainties due to positioning uncertainties. <i>Medical Physics</i> , <b>2020</b> , 47, 1357-1363	4.4	3
34	Technical Note: On the impact of the incident electron beam energy on the primary dose component of flattening filter free photon beams. <i>Medical Physics</i> , <b>2016</b> , 43, 4507	4.4	3
33	Coupling Monte Carlo simulations with thermal analysis for correcting microdosimetric spectra from a novel micro-calorimeter. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 406-411	2.5	2

32	Characterization of the PTW-34089 type 147 mm diameter large-area ionization chamber for use in light-ion beams. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 17NT02	3.8	2
31	Reply to Comment on Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 198002	3.8	2
30	PO-0790: Theoretical models for volume recombination in scanned proton beams. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 111, S56	5.3	2
29	EP-1467: IPEM Code of Practice for proton and ion beam dosimetry: update on work in progress. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 123, S783-S784	5.3	2
28	Equivalent (uniform) square field sizes of flattening filter free photon beams. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 7694-7713	3.8	2
27	Comments on The effective depth of cylindrical ionization chambers in water for clinical proton beams <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 7219-24	3.8	2
26	Beam quality of high-energy photon beams at the Ghent University linear accelerator. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, L15-L18	3.8	2
25	Considerations for modelling MLCs with Monte Carlo techniques <b>2000</b> , 458-460		2
24	TH-E-BRB-05: Best in Physics (Therapy) - an International Code of Practice for the Dosimetry of Small Static Photon Fields. <i>Medical Physics</i> , <b>2012</b> , 39, 4009-4010	4.4	2
23	Dosimetry. <i>Series in Medical Physics and Biomedical Engineering</i> , <b>2011</b> , 191-220		2
22	Monte Carlo calculated correction factors for the NPL proton calorimeter. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 383-385	2.5	1
21	SU-E-T-146: Reference Dosimetry for Protons and Light-Ion Beams Based on Graphite Calorimetry. <i>Medical Physics</i> , <b>2012</b> , 39, 3736-3737	4.4	1
20	SU-E-T-464: On the Equivalence of the Quality Correction Factor for Pencil Beam Scanning Proton Therapy. <i>Medical Physics</i> , <b>2014</b> , 41, 333-333	4.4	1
19	SU-F-BRD-15: Quality Correction Factors in Scanned Or Broad Proton Therapy Beams Are Indistinguishable. <i>Medical Physics</i> , <b>2015</b> , 42, 3529-3529	4.4	1
18	Characterizing Radiation Effectiveness in Ion-Beam Therapy Part II: Microdosimetric Detectors. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	1
17	Correction of the measured current of a small-gap plane-parallel ionization chamber in proton beams in the presence of charge multiplication. <i>Zeitschrift Fur Medizinische Physik</i> , <b>2021</b> , 31, 192-202	7.6	1
16	The practical radius of a pencil beam in proton therapy. <i>Zeitschrift Fur Medizinische Physik</i> , <b>2021</b> , 31, 166-174	7.4	1
15	MR-guided proton therapy: Impact of magnetic fields on the detector response. <i>Medical Physics</i> , <b>2021</b> , 48, 2572-2579	4.4	1



14	Abstract ID: 169 Monte Carlo calculated correction factors for a proton calorimeter in clinical proton beams. <i>Physica Medica</i> , <b>2017</b> , 42, 35-36	2.7	○
13	Time-resolved dosimetry for validation of 4D dose calculation in PBS proton therapy. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 125015	3.8	○
12	Gradient corrections for reference dosimetry using Farmer-type ionization chambers in single-layer scanned proton fields. <i>Medical Physics</i> , <b>2020</b> , 47, 6531-6539	4.4	○
11	Monte Carlo computation of 3D distributions of stopping power ratios in light ion beam therapy using GATE-RTion. <i>Medical Physics</i> , <b>2021</b> , 48, 2580-2591	4.4	○
10	Results of an independent dosimetry audit for scanned proton beam therapy facilities. <i>Zeitschrift Fur Medizinische Physik</i> , <b>2021</b> , 31, 145-153	7.6	○
9	Dose calculation accuracy in particle therapy: Comparing carbon ions with protons. <i>Medical Physics</i> , <b>2021</b> , 48, 7333-7345	4.4	○
8	SP-0238 TRS 483: past, present and future. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 133, S118-S119	5.3	
7	Investigating ionisation cluster size distribution due to sub-1 keV electrons in view of Heisenberg's Uncertainty. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 633, 012002	0.3	
6	Poster - Thur Eve - 46: The upcoming international code of practice for small static photon field dosimetry. <i>Medical Physics</i> , <b>2012</b> , 39, 4633	4.4	
5	Point/counterpoint. Medical physics should adopt double-blind peer review of all manuscripts. <i>Medical Physics</i> , <b>2010</b> , 37, 5151-4	4.4	
4	SU-D-BRC-06: Experimental and Monte Carlo Studies of Fluence Corrections for Graphite Calorimetry in Proton Therapy. <i>Medical Physics</i> , <b>2016</b> , 43, 3337-3337	4.4	
3	Light-Ion Beam Dosimetry <b>2017</b> , 301-328		
2	SU-C-137-05: Reference Dosimetry for An 80 MeV/n Carbon Ion Beam Based On Graphite Calorimetry. <i>Medical Physics</i> , <b>2013</b> , 40, 85-85	4.4	
1	Reply to comment on Lateral response heterogeneity of Bragg peak ionization chambers for narrow-beam photon and proton dosimetry <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66,	3.8	