

Katia Parodi

List of Publications by Year in Descending Order

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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.

135 papers	2,702 citations	30 h-index	48 g-index
157 ext. papers	3,602 ext. citations	3.5 avg, IF	5.4 L-index

#	Paper	IF	Citations
135	X-ray CT adaptation based on a 2D-3D deformable image registration framework using simulated in-room proton radiographies.. <i>Physics in Medicine and Biology</i> , 2022 ,	3.8	2
134	Dosimetric impact of deep learning-based CT auto-segmentation on radiation therapy treatment planning for prostate cancer.. <i>Radiation Oncology</i> , 2022 , 17, 21	4.2	1
133	FLASH: Current status and the transition to clinical use.. <i>Medical Physics</i> , 2022 , 49, 1972-1973	4.4	2
132	Combining inter-observer variability, range and setup uncertainty in a variance-based sensitivity analysis for proton therapy.. <i>Physics and Imaging in Radiation Oncology</i> , 2021 , 20, 117-120	3.1	0
131	Distant metastasis time to event analysis with CNNs in independent head and neck cancer cohorts. <i>Scientific Reports</i> , 2021 , 11, 6418	4.9	7
130	The impact of path estimates in iterative ion CT reconstructions for clinical-like cases. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	2
129	Assessment of the Sun Nuclear ArcCHECK to detect errors in 6MV FFF VMAT delivery of brain SABR using ROC analysis. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 35-44	2.3	0
128	A comprehensive Monte Carlo study of out-of-field secondary neutron spectra in a scanned-beam proton therapy gantry room. <i>Zeitschrift Fur Medizinische Physik</i> , 2021 , 31, 215-228	7.6	3
127	Performance evaluation of a staggered three-layer DOI PET detector using a 1 mm LYSO pitch with PETsys TOFPET2 ASIC: comparison of HAMAMATSU and KETEK SiPMs. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	1
126	On the potential of ROI imaging in x-ray CT - A comparison of novel dynamic beam attenuators with current technology. <i>Medical Physics</i> , 2021 , 48, 3479-3499	4.4	0
125	An empirical artifact correction for proton computed tomography. <i>Physica Medica</i> , 2021 , 86, 57-65	2.7	2
124	Measurement-based range evaluation for quality assurance of CBCT-based dose calculations in adaptive proton therapy. <i>Medical Physics</i> , 2021 , 48, 4148-4159	4.4	1
123	Sub-millimeter precise photon interaction position determination in large monolithic scintillators via convolutional neural network algorithms. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	3
122	Validation of the collapsed cone algorithm for HDR liver brachytherapy against Monte Carlo simulations. <i>Brachytherapy</i> , 2021 , 20, 936-947	2.4	0
121	Deformable image registration of the treatment planning CT with proton radiographies in perspective of adaptive proton therapy. <i>Physics in Medicine and Biology</i> , 2021 , 66, 045008	3.8	4
120	22 dB Signal-to-Noise Ratio Real-Time Proton Sound Detector for Experimental Beam Range Verification. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 3-13	3.9	3
119	Variance-based sensitivity analysis for uncertainties in proton therapy: A framework to assess the effect of simultaneous uncertainties in range, positioning, and RBE model predictions on RBE-weighted dose distributions. <i>Medical Physics</i> , 2021 , 48, 805-818	4.4	1

118	Incoming Editor-in-Chief. <i>Physics in Medicine and Biology</i> , 2021 , 66, 010301	3.8	
117	Proof of concept image artifact reduction by energy-modulated proton computed tomography (EMpCT). <i>Physica Medica</i> , 2021 , 81, 237-244	2.7	3
116	Enhancement of the ionoacoustic effect through ultrasound and photoacoustic contrast agents. <i>Scientific Reports</i> , 2021 , 11, 2725	4.9	2
115	Porcine lung phantom-based validation of estimated 4D-MRI using orthogonal cine imaging for low-field MR-Linacs. <i>Physics in Medicine and Biology</i> , 2021 , 66, 055006	3.8	2
114	Accounting for prompt gamma emission and detection for range verification in proton therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2021 , 66, 055005	3.8	1
113	Fluence-modulated proton CT optimized with patient-specific dose and variance objectives for proton dose calculation. <i>Physics in Medicine and Biology</i> , 2021 , 66, 064001	3.8	3
112	Proton range uncertainty reduction benefits for skull base tumors in terms of normal tissue complication probability (NTCP) and healthy tissue doses. <i>Medical Physics</i> , 2021 , 48, 5356-5366	4.4	4
111	Radioactive Beams for Image-Guided Particle Therapy: The BARB Experiment at GSI. <i>Frontiers in Oncology</i> , 2021 , 11, 737050	5.3	2
110	Technical Design Report for a Carbon-11 Treatment Facility.. <i>Frontiers in Medicine</i> , 2021 , 8, 697235	4.9	0
109	MR-guided proton therapy: a review and a preview. <i>Radiation Oncology</i> , 2020 , 15, 129	4.2	34
108	Roadmap toward the 10 ps time-of-flight PET challenge. <i>Physics in Medicine and Biology</i> , 2020 , 65, 21RM018	9.8	63
107	A Monte Carlo feasibility study on quantitative laser-driven proton radiography. <i>Zeitschrift Fur Medizinische Physik</i> , 2020 , 32, 109-109	7.6	1
106	A feasibility study of zebrafish embryo irradiation with laser-accelerated protons. <i>Review of Scientific Instruments</i> , 2020 , 91, 063303	1.7	9
105	Modeling RBE-weighted dose variations in irregularly moving abdominal targets treated with carbon ion beams. <i>Medical Physics</i> , 2020 , 47, 2768-2778	4.4	3
104	Influence of momentum acceptance on range monitoring of C and O ion beams using in-beam PET. <i>Physics in Medicine and Biology</i> , 2020 , 65, 125006	3.8	2
103	The dosimetric impact of replacing the TG-43 algorithm by model based dose calculation for liver brachytherapy. <i>Radiation Oncology</i> , 2020 , 15, 60	4.2	5
102	A new treatment planning approach accounting for prompt gamma range verification and interfractional anatomical changes. <i>Physics in Medicine and Biology</i> , 2020 , 65, 095005	3.8	3
101	Patient-specific CT calibration based on ion radiography for different detector configurations in H, He and C ion pencil beam scanning. <i>Physics in Medicine and Biology</i> , 2020 , 65, 245014	3.8	4

100	Contrast-enhanced, conebeam CT-based, fractionated radiotherapy and follow-up monitoring of orthotopic mouse glioblastoma: a proof-of-concept study. <i>Radiation Oncology</i> , 2020 , 15, 19	4.2	3
99	Method to quickly and accurately calculate absorbed dose from therapeutic and stray photon exposures throughout the entire body in individual patients. <i>Medical Physics</i> , 2020 , 47, 2254-2266	4.4	5
98	Experimental comparison of clinically used ion beams for imaging applications using a range telescope. <i>Physics in Medicine and Biology</i> , 2020 , 65, 155004	3.8	2
97	Development of a Hybrid Image Reconstruction Algorithm Combining PET and Compton Events for Whole Gamma Imaging 2020 ,		1
96	Radiation protection modelling for 2.5 Petawatt-laser production of ultrashort x-ray, proton and ion bunches: Monte Carlo model of the Munich CALA facility. <i>Journal of Radiological Protection</i> , 2020 ,	1.2	3
95	Dose quantification in carbon ion therapy using in-beam positron emission tomography. <i>Physics in Medicine and Biology</i> , 2020 , 65, 235052	3.8	2
94	3D Compton image reconstruction method for whole gamma imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 225038	3.8	5
93	Beam characterization and feasibility study for a small animal irradiation platform at clinical proton therapy facilities. <i>Physics in Medicine and Biology</i> , 2020 , 65, 245045	3.8	2
92	Latest developments in in-vivo imaging for proton therapy. <i>British Journal of Radiology</i> , 2020 , 93, 20190787	3.4	10
91	The role of Monte Carlo simulation in understanding the performance of proton computed tomography. <i>Zeitschrift Fur Medizinische Physik</i> , 2020 , 32, 23-23	7.6	4
90	Anthropomorphic lung phantom based validation of in-room proton therapy 4D-CBCT image correction for dose calculation. <i>Zeitschrift Fur Medizinische Physik</i> , 2020 , 32, 74-74	7.6	1
89	The z-sbDBA, a new concept for a dynamic sheet-based fluence field modulator in x-ray CT. <i>Medical Physics</i> , 2020 , 47, 4827-4837	4.4	1
88	Radioactive Beams in Particle Therapy: Past, Present, and Future. <i>Frontiers in Physics</i> , 2020 , 8, 00326	3.9	9
87	Optimization and performance study of a proton CT system for pre-clinical small animal imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 155008	3.8	2
86	Roadmap: proton therapy physics and biology. <i>Physics in Medicine and Biology</i> , 2020 ,	3.8	17
85	3D Monte Carlo bone marrow dosimetry for Lu-177-PSMA therapy with guidance of non-invasive 3D localization of active bone marrow via Tc-99m-anti-granulocyte antibody SPECT/CT. <i>EJNMMI Research</i> , 2019 , 9, 76	3.6	4
84	Technical Note: Relative proton stopping power estimation from virtual monoenergetic images reconstructed from dual-layer computed tomography. <i>Medical Physics</i> , 2019 , 46, 1821-1828	4.4	7
83	Range verification of radioactive ion beams of C and O using in-beam PET imaging. <i>Physics in Medicine and Biology</i> , 2019 , 64, 145014	3.8	9

82	Experimental comparison of proton CT and dual energy x-ray CT for relative stopping power estimation in proton therapy. <i>Physics in Medicine and Biology</i> , 2019 , 64, 165002	3.8	30
81	Comparative study of alternative Geant4 hadronic ion inelastic physics models for prediction of positron-emitting radionuclide production in carbon and oxygen ion therapy. <i>Physics in Medicine and Biology</i> , 2019 , 64, 155014	3.8	5
80	Single isocenter stereotactic radiosurgery for patients with multiple brain metastases: dosimetric comparison of VMAT and a dedicated DCAT planning tool. <i>Radiation Oncology</i> , 2019 , 14, 103	4.2	21
79	Comparison of planned dose on different CT image sets to four-dimensional Monte Carlo dose recalculation using the patient's actual breathing trace for lung stereotactic body radiation therapy. <i>Medical Physics</i> , 2019 , 46, 3268-3277	4.4	5
78	I-BEAT: Ultrasonic method for online measurement of the energy distribution of a single ion bunch. <i>Scientific Reports</i> , 2019 , 9, 6714	4.9	9
77	Analytical simulator of proton radiography and tomography for different detector configurations. <i>Physica Medica</i> , 2019 , 59, 92-99	2.7	8
76	Dosimetric accuracy and radiobiological implications of ion computed tomography for proton therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2019 , 64, 125008	3.8	23
75	Optimization of Phase Space files from clinical linear accelerators. <i>Physica Medica</i> , 2019 , 64, 54-68	2.7	4
74	Evaluation of proton and photon dose distributions recalculated on 2D and 3D Unet-generated pseudoCTs from T1-weighted MR head scans. <i>Acta Oncologica</i> , 2019 , 58, 1429-1434	3.2	20
73	Towards a novel small animal proton irradiation platform: the SIRMIO project. <i>Acta Oncologica</i> , 2019 , 58, 1470-1475	3.2	8
72	Technical Note: Sheet-based dynamic beam attenuator - A novel concept for dynamic fluence field modulation in x-ray CT. <i>Medical Physics</i> , 2019 , 46, 5528-5537	4.4	6
71	CBCT correction using a cycle-consistent generative adversarial network and unpaired training to enable photon and proton dose calculation. <i>Physics in Medicine and Biology</i> , 2019 , 64, 225004	3.8	31
70	Applicability of Capacitive Micromachined Ultrasonic Transducers for the detection of proton-induced thermoacoustic waves 2019 ,		2
69	Comparing Unet training with three different datasets to correct CBCT images for prostate radiotherapy dose calculations. <i>Physics in Medicine and Biology</i> , 2019 , 64, 035011	3.8	20
68	Dose-guided patient positioning in proton radiotherapy using multicriteria-optimization. <i>Zeitschrift Fur Medizinische Physik</i> , 2019 , 29, 216-228	7.6	9
67	Feasibility of 4DCBCT-based proton dose calculation: An ex vivo porcine lung phantom study. <i>Zeitschrift Fur Medizinische Physik</i> , 2019 , 29, 249-261	7.6	10
66	Gel dosimetry for three dimensional proton range measurements in anthropomorphic geometries. <i>Zeitschrift Fur Medizinische Physik</i> , 2019 , 29, 162-172	7.6	10
65	Ionizing radiation-induced acoustics for radiotherapy and diagnostic radiology applications. <i>Medical Physics</i> , 2018 , 45, e707-e721	4.4	25

64	AN ONLINE, RADIATION HARD PROTON ENERGY-RESOLVING SCINTILLATOR STACK FOR LASER-DRIVEN PROTON BUNCHES. <i>Radiation Protection Dosimetry</i> , 2018 , 180, 291-295	0.9	1
63	The biological treatment planning evolution of clinical fractionated radiotherapy using high LET. <i>International Journal of Radiation Biology</i> , 2018 , 94, 752-755	2.9	6
62	Clinical workflow optimization to improve 4DCT reconstruction for Toshiba Aquilion CT scanners. <i>Zeitschrift Fur Medizinische Physik</i> , 2018 , 28, 88-95	7.6	3
61	Improving the modelling of irradiation-induced brain activation for in vivo PET verification of proton therapy. <i>Radiotherapy and Oncology</i> , 2018 , 128, 101-108	5.3	5
60	Full Monte Carlo-Based Biologic Treatment Plan Optimization System for Intensity Modulated Carbon Ion Therapy on Graphics Processing Unit. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 235-243	4	8
59	Reply to: Comment on: Dual-energy CT quantitative imaging: A comparison study between twin-beam and dual-source CT scanners [Med. Phys. 44(1), 171-179 (2017)] <i>Medical Physics</i> , 2018 , 45, 3997-3998	4.4	1
58	A Dedicated Tomographic Image Reconstruction Algorithm for Integration-Mode Detector Configuration in Ion Imaging 2018 ,		2
57	Overview of Applications of Laser-Driven Particle Acceleration (Editors Paul R. Bolton, Katia Parodi, and Jörg Schreiber) by CRC Press (Taylor and Francis Group) ISBN 9781498766418 June 2018. <i>Quantum Beam Science</i> , 2018 , 2, 25	1.6	1
56	In vivo range verification in particle therapy. <i>Medical Physics</i> , 2018 , 45, e1036-e1050	4.4	66
55	Time-of-flight spectrometry of ultra-short, polyenergetic proton bunches. <i>Review of Scientific Instruments</i> , 2018 , 89, 123302	1.7	3
54	Simulation of proton range monitoring in an anthropomorphic phantom using multi-slat collimators and time-of-flight detection of prompt-gamma quanta. <i>Physica Medica</i> , 2018 , 54, 1-14	2.7	6
53	Two-dimensional noise reconstruction in proton computed tomography using distance-driven filtered back-projection of simulated projections. <i>Physics in Medicine and Biology</i> , 2018 , 63, 215009	3.8	15
52	Toward a new treatment planning approach accounting for in vivo proton range verification. <i>Physics in Medicine and Biology</i> , 2018 , 63, 215025	3.8	11
51	ScatterNet: A convolutional neural network for cone-beam CT intensity correction. <i>Medical Physics</i> , 2018 , 45, 4916-4926	4.4	54
50	Experimental fluence-modulated proton computed tomography by pencil beam scanning. <i>Medical Physics</i> , 2018 , 45, 3287-3296	4.4	12
49	Comparative Monte Carlo study on the performance of integration- and list-mode detector configurations for carbon ion computed tomography. <i>Physics in Medicine and Biology</i> , 2017 , 62, 1096-1112	3.8	22
48	Software platform for simulation of a prototype proton CT scanner. <i>Medical Physics</i> , 2017 , 44, 1002-1016	4.4	38
47	Dual-energy CT quantitative imaging: a comparison study between twin-beam and dual-source CT scanners. <i>Medical Physics</i> , 2017 , 44, 171-179	4.4	75

46	Spectroscopic study of prompt-gamma emission for range verification in proton therapy. <i>Physica Medica</i> , 2017 , 34, 7-17	2.7	28
45	Initial development of goCMC: a GPU-oriented fast cross-platform Monte Carlo engine for carbon ion therapy. <i>Physics in Medicine and Biology</i> , 2017 , 62, 3682-3699	3.8	14
44	Application of single- and dual-energy CT brain tissue segmentation to PET monitoring of proton therapy. <i>Physics in Medicine and Biology</i> , 2017 , 62, 2427-2448	3.8	6
43	First clinical investigation of a 4D maximum likelihood reconstruction for 4D PET-based treatment verification in ion beam therapy. <i>Radiotherapy and Oncology</i> , 2017 , 123, 339-345	5.3	3
42	Feasibility of reducing differences in estimated doses in nuclear medicine between a patient-specific and a reference phantom. <i>Physica Medica</i> , 2017 , 39, 100-112	2.7	7
41	Systematic out-of-field secondary neutron spectrometry and dosimetry in pencil beam scanning proton therapy. <i>Medical Physics</i> , 2017 , 44, 1912-1920	4.4	7
40	Sensitivity of post treatment positron emission tomography/computed tomography to detect inter-fractional range variations in scanned ion beam therapy. <i>Acta Oncologica</i> , 2017 , 56, 1451-1458	3.2	18
39	Feasibility of MR-only proton dose calculations for prostate cancer radiotherapy using a commercial pseudo-CT generation method. <i>Physics in Medicine and Biology</i> , 2017 , 62, 9159-9176	3.8	33
38	Multi-criterial patient positioning based on dose recalculation on scatter-corrected CBCT images. <i>Radiotherapy and Oncology</i> , 2017 , 125, 464-469	5.3	7
37	A Monte-Carlo study to assess the effect of 1.5 T magnetic fields on the overall robustness of pencil-beam scanning proton radiotherapy plans for prostate cancer. <i>Physics in Medicine and Biology</i> , 2017 , 62, 8470-8482	3.8	10
36	Sub-3mm spatial resolution from a large monolithic LaBr3 (Ce) scintillator. <i>Current Directions in Biomedical Engineering</i> , 2017 , 3, 655-659	0.5	5
35	Characterization of online high dynamic range imaging for laser-driven ion beam diagnostics using visible light. <i>Current Directions in Biomedical Engineering</i> , 2017 , 3, 343-346	0.5	
34	Concrete realization of the whole gamma imaging concept 2017 ,		1
33	Considerations on employing a PMQ-doublet for narrow and broad proton energy distributions. <i>Current Directions in Biomedical Engineering</i> , 2017 , 3, 339-342	0.5	3
32	Practical implications for the quality assurance of modulated radiation therapy techniques using point detector arrays. <i>Journal of Applied Clinical Medical Physics</i> , 2017 , 18, 20-31	2.3	2
31	An automated, 0.5 Hz nano-foil target positioning system for intense laser plasma experiments. <i>High Power Laser Science and Engineering</i> , 2017 , 5,	4.3	15
30	Decomposing a prior-CT-based cone-beam CT projection correction algorithm into scatter and beam hardening components. <i>Physics and Imaging in Radiation Oncology</i> , 2017 , 3, 49-52	3.1	14
29	Submillimeter ionoacoustic range determination for protons in water at a clinical synchrocyclotron. <i>Physics in Medicine and Biology</i> , 2017 , 62, L20-L30	3.8	39

28	Ionoacoustic tomography of the proton Bragg peak in combination with ultrasound and optoacoustic imaging. <i>Scientific Reports</i> , 2016 , 6, 29305	4.9	30
27	Helium ions for radiotherapy? Physical and biological verifications of a novel treatment modality. <i>Medical Physics</i> , 2016 , 43, 1995	4.4	68
26	On- and off-line monitoring of ion beam treatment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 809, 113-119 ^{1,2}	1.2	35
25	Feasibility of automated proton therapy plan adaptation for head and neck tumors using cone beam CT images. <i>Radiation Oncology</i> , 2016 , 11, 64	4.2	41
24	Monte Carlo Simulations of Particle Interactions with Tissue in Carbon Ion Therapy. <i>International Journal of Particle Therapy</i> , 2016 , 2, 447-458	1.5	6
23	The FLUKA Code: An Accurate Simulation Tool for Particle Therapy. <i>Frontiers in Oncology</i> , 2016 , 6, 116	5.3	110
22	Comparison of proton therapy treatment planning for head tumors with a pencil beam algorithm on dual and single energy CT images. <i>Medical Physics</i> , 2016 , 43, 495	4.4	65
21	Initial clinical evaluation of PET-based ion beam therapy monitoring under consideration of organ motion. <i>Medical Physics</i> , 2016 , 43, 975-82	4.4	11
20	Investigating deformable image registration and scatter correction for CBCT-based dose calculation in adaptive IMPT. <i>Medical Physics</i> , 2016 , 43, 5635	4.4	62
19	High-Rate Capable Floating Strip Micromegas. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 273-275, 1173-1179	0.4	2
18	Phantom based evaluation of CT to CBCT image registration for proton therapy dose recalculation. <i>Physics in Medicine and Biology</i> , 2015 , 60, 595-613	3.8	38
17	Comparing cone-beam CT intensity correction methods for dose recalculation in adaptive intensity-modulated photon and proton therapy for head and neck cancer. <i>Acta Oncologica</i> , 2015 , 54, 1651-7	3.2	62
16	Clinical implementation and range evaluation of in vivo PET dosimetry for particle irradiation in patients with primary glioma. <i>Radiotherapy and Oncology</i> , 2015 , 115, 179-85	5.3	30
15	Investigating the limits of PET/CT imaging at very low true count rates and high random fractions in ion-beam therapy monitoring. <i>Medical Physics</i> , 2015 , 42, 3979-91	4.4	19
14	Ionoacoustics: A new direct method for range verification. <i>Modern Physics Letters A</i> , 2015 , 30, 1540025	1.3	16
13	Vision 20/20: Positron emission tomography in radiation therapy planning, delivery, and monitoring. <i>Medical Physics</i> , 2015 , 42, 7153-68	4.4	44
12	Surface refraction of sound waves affects calibration of three-dimensional ultrasound. <i>Radiation Oncology</i> , 2015 , 10, 119	4.2	3
11	Investigating CT to CBCT image registration for head and neck proton therapy as a tool for daily dose recalculation. <i>Medical Physics</i> , 2015 , 42, 1354-66	4.4	86

10	Comparison and limitations of DVH-based NTCP models derived from 3D-CRT and IMRT data for prediction of gastrointestinal toxicities in prostate cancer patients by using propensity score matched pair analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 91, 435-43	4	28
9	Phase Space Generation for Proton and Carbon Ion Beams for External Users' Applications at the Heidelberg Ion Therapy Center. <i>Frontiers in Oncology</i> , 2015 , 5, 297	5.3	30
8	Projection-based deformable registration for tomographic imaging in ion beam therapy 2014 ,		1
7	Monte Carlo-based parametrization of the lateral dose spread for clinical treatment planning of scanned proton and carbon ion beams. <i>Journal of Radiation Research</i> , 2013 , 54 Suppl 1, i91-6	2.4	51
6	Implementation and workflow for PET monitoring of therapeutic ion irradiation: a comparison of in-beam, in-room, and off-line techniques. <i>Physics in Medicine and Biology</i> , 2011 , 56, 1281-98	3.8	86
5	Accuracy of proton beam range verification using post-treatment positron emission tomography/computed tomography as function of treatment site. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 79, 297-304	4	61
4	Clinical implementation of full Monte Carlo dose calculation in proton beam therapy. <i>Physics in Medicine and Biology</i> , 2008 , 53, 4825-53	3.8	191
3	Patient study of in vivo verification of beam delivery and range, using positron emission tomography and computed tomography imaging after proton therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 68, 920-34	4	286
2	PET/CT imaging for treatment verification after proton therapy: a study with plastic phantoms and metallic implants. <i>Medical Physics</i> , 2007 , 34, 419-35	4.4	111
1	A filtering approach based on Gaussian-powerlaw convolutions for local PET verification of proton radiotherapy. <i>Physics in Medicine and Biology</i> , 2006 , 51, 1991-2009	3.8	74