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List of PR Articles by Year in descending order

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206

PR articles

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1478

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Hydrogenated Amorphous Silicon Charge-Selective Contact Devices on a Polyimide Flexible Substrate for Dosimetry and Beam Flux Measurements. <i>Sensors</i> , 2025, 25, 1263.	3.1	1
2	Preliminary Characterization of an Active CMOS Pad Detector for Tracking and Dosimetry in HDR Brachytherapy. <i>Sensors</i> , 2024, 24, 692.	3.1	2
3	A Two-Dimensional Characterization of Low-Gain Avalanche Diodes for Low-LET Microdosimetry. <i>IEEE Transactions on Nuclear Science</i> , 2024, 71, 342-351.	1.3	1
4	Characterization of Hydrogenated Amorphous Silicon Sensors on Polyimide Flexible Substrate. <i>IEEE Sensors Journal</i> , 2024, 24, 12466-12471.	3.7	10
5	Characterization of the First Prototype of an Angular Independent Silicon Diode Array for Quality Assurance in Stereotactic Radiosurgery. <i>Applied Sciences (Switzerland)</i> , 2024, 14, 5883.	2.2	0
6	Mobility Gaps of Hydrogenated Amorphous Silicon Related to Hydrogen Concentration and Its Influence on Electrical Performance. <i>Nanomaterials</i> , 2024, 14, 1551.	4.1	2
7	Charge Collection in SOI Microdosimeters and Their Radiation Hardness. <i>IEEE Transactions on Nuclear Science</i> , 2023, 70, 568-574.	1.3	2
8	Application of an SOI Microdosimeter for Monitoring of Neutrons in Various Mixed Radiation Field Environments. <i>IEEE Transactions on Nuclear Science</i> , 2022, 69, 491-500.	1.3	5
9	Evaluation of silicon strip detectors in transmission mode for online beam monitoring in microbeam radiation therapy at the Australian Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 125-137.	2.9	6
10	A Large Area Pixelated Silicon Array Detector for Independent Transit In Vivo Dosimetry. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 537.	2.2	3
11	Characterization of MOSFET Dosimeters for Alpha Particle Therapy. <i>IEEE Transactions on Nuclear Science</i> , 2022, 69, 925-931.	1.3	3
12	HDR prostate brachytherapy plan robustness and its effect on in vivo source tracking error thresholds: A multi-institutional study. <i>Medical Physics</i> , 2022, 49, 3529-3537.	3.2	18
13	Silicon 3D Microdosimeters for Advanced Quality Assurance in Particle Therapy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 328.	2.2	30
14	Feasibility of online adaptive HDR prostate brachytherapy: A novel treatment concept. <i>Brachytherapy</i> , 2022, 21, 943-955.	1.1	3
15	The Microbeam Insert at the White Beam Beamline P61A at the Synchrotron PETRA III/DESY: A New Tool for High Dose Rate Irradiation Research. <i>Cancers</i> , 2022, 14, 5137.	4.0	8
16	Radiation Shielding Evaluation of Spacecraft Walls Against Heavy Ions Using Microdosimetry. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 897-905.	1.3	20
17	Consistency of small-field dosimetry, on and off axis, in beam-matched linacs used for stereotactic radiosurgery. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 185-193.	2.1	10
18	Study of the X-ray radiation interaction with a multislit collimator for the creation of microbeams in radiation therapy. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 392-403.	2.9	16

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19	Modelling of protons spectra encountered in space using medical accelerator and its microdosimetric characterization. <i>Advances in Space Research</i> , 2021, 67, 2534-2543.	2.6	4
20	Polymer Photodetectors for Printable, Flexible, and Fully Tissue Equivalent X-Ray Detection with Zero-Bias Operation and Ultrafast Temporal Responses. <i>Advanced Materials Technologies</i> , 2021, 6, .	5.9	25
21	In-field and out-of-field microdosimetric characterisation of a 62 MeV proton beam at CATANA. <i>Medical Physics</i> , 2021, 48, 4532-4541.	3.2	7
22	Characterization of a novel large area microdosimeter system for low dose rate radiation environments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1002, 165238.	1.3	3
23	X-TREAM protocol for <i>in vitro</i> microbeam radiation therapy at the Australian Synchrotron. <i>Journal of Applied Physics</i> , 2021, 129, .	2.2	11
24	Towards high spatial resolution tissue-equivalent dosimetry for microbeam radiation therapy using organic semiconductors. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1444-1454.	2.9	14
25	On the evaluation of edgeless diode detectors for patient-specific QA in high-dose stereotactic radiosurgery. <i>Physica Medica</i> , 2021, 89, 20-28.	1.5	8
26	Fabrication of a Hydrogenated Amorphous Silicon Detector in 3-D Geometry and Preliminary Test on Planar Prototypes. <i>Instruments</i> , 2021, 5, 32.	0.9	14
27	A review of printable, flexible and tissue equivalent materials for ionizing radiation detection. <i>Flexible and Printed Electronics</i> , 2021, 6, 043005.	3.0	19
28	Flexible Polymer X-ray Detectors with Non-fullerene Acceptors for Enhanced Stability: Toward Printable Tissue Equivalent Devices for Medical Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57703-57712.	8.0	18
29	First application of a high-resolution silicon detector for proton beam Bragg peak detection in a 0.95 T magnetic field. <i>Medical Physics</i> , 2020, 47, 181-189.	3.2	5
30	First experimental measurement of the effect of cardio-synchronous brain motion on the dose distribution during microbeam radiation therapy. <i>Medical Physics</i> , 2020, 47, 213-222.	3.2	22
31	High resolution silicon array detector implementation in an inline MRI-linac. <i>Medical Physics</i> , 2020, 47, 1920-1929.	3.2	3
32	Validation of Geant4 for silicon microdosimetry in heavy ion therapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 045014.	3.1	17
33	Medipix detectors in radiation therapy for advanced quality-assurance. <i>Radiation Measurements</i> , 2020, 130, 106211.	2.0	22
34	SOI Thin Microdosimeters for High LET Single-Event Upset Studies in Fe, O, Xe, and Cocktail Ion Beam Fields. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 146-153.	1.3	15
35	Characterization of 3-D-Mesa Silicon Single Strip Detectors for Use in Synchrotron Microbeam Radiation Therapy. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 470-478.	2.4	3
36	3D Detectors on Hydrogenated Amorphous Silicon for particle tracking in high radiation environment. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012016.	0.3	4

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37	Evaluation of the PTW microDiamond in edge-on orientation for dosimetry in small fields. Journal of Applied Clinical Medical Physics, 2020, 21, 278-288.	2.1	33
38	Fabrication and First Characterization of Silicon-Based Full 3-D Microdosimeters. IEEE Transactions on Nuclear Science, 2020, 67, 2490-2500.	1.3	8
39	Modelling ICRP110 Adult Reference Voxel Phantoms for dosimetric applications: Development of a new Geant4 Advanced Example. Journal of Physics: Conference Series, 2020, 1662, 012021.	0.3	12
40	Real-time in-vivo dosimetry for DaRT. Journal of Physics: Conference Series, 2020, 1662, 012031.	0.3	2
41	The use of a new 2D array of diodes for small-field dosimetry of a CyberKnife equipped with a novel multi-leaf collimator. Journal of Physics: Conference Series, 2020, 1662, 012007.	0.3	1
42	Assessing small-field output factors using a 2D monolithic diode array on a beam-matched Elekta linear accelerator. Journal of Physics: Conference Series, 2020, 1662, 012024.	0.3	2
43	Hydrogenated amorphous silicon detectors for particle detection, beam flux monitoring and dosimetry in high-dose radiation environment. Journal of Instrumentation, 2020, 15, C04005-C04005.	1.2	5
44	Characterization of an organic semiconductor diode for dosimetry in radiotherapy. Medical Physics, 2020, 47, 3658-3668.	3.2	24
45	Characterization of a plastic dosimeter based on organic semiconductor photodiodes and scintillator. Physics and Imaging in Radiation Oncology, 2020, 14, 48-52.	2.2	23
46	Modeling a Thick Hydrogenated Amorphous Silicon Substrate for Ionizing Radiation Detectors. Frontiers in Physics, 2020, 8, .	1.9	11
47	Printable Organic Semiconductors for Radiation Detection: From Fundamentals to Fabrication and Functionality. Frontiers in Physics, 2020, 8, .	1.9	50
48	Semiconductor dosimetry in modern external-beam radiation therapy. Physics in Medicine and Biology, 2020, 65, 16TR01.	3.1	40
49	On the Combined Effect of Silicon Oxide Thickness and Boron Implantation Under the Gate in MOSFET Dosimeters. IEEE Transactions on Nuclear Science, 2020, 67, 534-540.	1.3	12
50	A Solid-State Microdosimeter for Dose and Radiation Quality Monitoring for Astronauts in Space. IEEE Transactions on Nuclear Science, 2020, 67, 169-174.	1.3	14
51	Quality assurance of VMAT on flattened and flattening filter-free accelerators using a high spatial resolution detector. Journal of Applied Clinical Medical Physics, 2020, 21, 44-52.	2.1	8
52	A novel add-on collimator for preclinical radiotherapy applications using a standard cell irradiator: design, construction, and validation. Medical Physics, 2020, 47, 2461-2471.	3.2	7
53	BrachyView: development of an algorithm for real-time automatic LDR brachytherapy seed detection. Physics in Medicine and Biology, 2020, 65, 215015.	3.1	0
54	Today's monolithic silicon array detector for small field dosimetry: the Octa. Journal of Physics: Conference Series, 2019, 1154, 012002.	0.3	1

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55	Evolution of Diamond based Microdosimetry. Journal of Physics: Conference Series, 2019, 1154, 012007.	0.3	9
56	3D sensitive volume microdosimeter with improved tissue equivalency: charge collection study and its application in ^{12}C ion therapy. Journal of Physics: Conference Series, 2019, 1154, 012012.	0.3	4
57	Characterization of an "Edgeless" Dosimeter for Angular Independent Measurements in Advanced Radiotherapy Treatments. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 579-587.	2.4	4
58	EP-1753 A dual detector system for in-vivo dosimetry: transit dose verification and error identification. Radiotherapy and Oncology, 2019, 133, S945-S946.	2.0	0
59	BrachyView: Reconstruction of seed positions and volume of an LDR prostate brachytherapy patient plan using a baseline subtraction algorithm. Physica Medica, 2019, 66, 66-76.	1.5	2
60	X-Tream dosimetry of synchrotron radiation with the PTW microDiamond. Journal of Instrumentation, 2019, 14, P10037-P10037.	1.2	18
61	Two-dimensional solid-state array detectors: A technique for <i>in vivo</i> dose verification in a variable effective area. Journal of Applied Clinical Medical Physics, 2019, 20, 88-94.	2.1	4
62	PV-0481 IMRT/VMAT QA in heterogeneous media: first experience with a 2D solid-state detector prototype. Radiotherapy and Oncology, 2019, 133, S247-S248.	2.0	0
63	PO-1050 A gynecological multichannel applicator including a real-time treatment verification system. Radiotherapy and Oncology, 2019, 133, S584-S585.	2.0	0
64	EP-2091 How to measure high dose in functional disorder treatment: an innovative silicon diode detector. Radiotherapy and Oncology, 2019, 133, S1155-S1156.	2.0	0
65	PO-0901 2D solid-state array detectors: a technique for in-vivo dose verification at varying effective area. Radiotherapy and Oncology, 2019, 133, S477-S478.	2.0	0
66	OC-0073 BrachyView: A Real-time In-body HDR Source Tracking System with Simultaneous TRUS Image Fusion. Radiotherapy and Oncology, 2019, 133, S34.	2.0	0
67	EP-1754 High-resolution assessment of dose calculations in small MV photon beams on and off central axis. Radiotherapy and Oncology, 2019, 133, S946-S947.	2.0	0
68	IBIC microscopy "The powerful tool for testing micron Sized sensitive volumes in segmented radiation detectors used in synchrotron microbeam radiation and hadron therapies. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 90-96.	1.2	7
69	Tissue equivalence of diamond for heavy charged particles. Radiation Measurements, 2019, 122, 1-9.	2.0	14
70	Feasibility of a dual detector system to perform transit dosimetry and MV imaging in-vivo. Journal of Instrumentation, 2019, 14, P01019-P01019.	1.2	4
71	INVESTIGATING VARIABLE RBE IN A ^{12}C MINIBEAM FIELD WITH MICRODOSIMETRY AND GEANT4. Radiation Protection Dosimetry, 2019, 183, 160-166.	0.7	3
72	A feasibility study for high-resolution silicon array detector performance in the magnetic field of a permanent magnet system. Medical Physics, 2019, 46, 4224-4232.	3.2	2

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73	An innovative gynecological HDR brachytherapy applicator system for treatment delivery and real-time verification. <i>Physica Medica</i> , 2019, 59, 151-157.	1.5	8
74	A Monte Carlo study on the feasibility of real-time in vivo source tracking during ultrasound based HDR prostate brachytherapy treatments. <i>Physica Medica</i> , 2019, 59, 30-36.	1.5	13
75	Preliminary epi-diode characterization for HDR brachytherapy quality assurance. <i>Journal of Physics: Conference Series</i> , 2019, 1154, 012026.	0.3	0
76	Characterization of a high spatiotemporal resolution monolithic silicon strip detector for MRI-linac dosimetry. <i>Journal of Physics: Conference Series</i> , 2019, 1154, 012006.	0.3	1
77	Quality assurance of Cyberknife robotic stereotactic radiosurgery using an angularly independent silicon detector. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 76-88.	2.1	14
78	2D monolithic silicon-diode array detectors in megavoltage photon beams: does the fabrication technology matter? A medical physicist's perspective. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019, 42, 443-451.	2.1	10
79	BrachyView: initial preclinical results for a real-time in-body HDR PBT source tracking system with simultaneous TRUS image fusion. <i>Physics in Medicine and Biology</i> , 2019, 64, 085002.	3.1	1
80	Validation of a Monte Carlo simulation for Microbeam Radiation Therapy on the Imaging and Medical Beamline at the Australian Synchrotron. <i>Scientific Reports</i> , 2019, 9, .	3.5	33
81	A novel quality assurance system for eye plaque brachytherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019, 42, 1109-1115.	2.1	2
82	On the Instantaneous Dose Rate and Angular Dependence of Monolithic Silicon Array Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 519-527.	1.3	9
83	SOI Thin Microdosimeter Detectors for Low-Energy Ions and Radiation Damage Studies. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 320-326.	1.3	16
84	Thin Silicon Microdosimeter Utilizing 3-D MEMS Fabrication Technology: Charge Collection Study and Its Application in Mixed Radiation Fields. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 467-472.	1.3	33
85	Characterisation and evaluation of a PNP strip detector for synchrotron microbeam radiation therapy. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 044002.	1.6	20
86	A high resolution 2D array detector system for small-field MRI-linac applications. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 035041.	1.6	7
87	The relative biological effectiveness for carbon, nitrogen, and oxygen ion beams using passive and scanning techniques evaluated with fully 3D silicon microdosimeters. <i>Medical Physics</i> , 2018, 45, 2299-2308.	3.2	49
88	A silicon strip detector array for energy verification and quality assurance in heavy ion therapy. <i>Medical Physics</i> , 2018, 45, 953-962.	3.2	12
89	A novel high-resolution 2D silicon array detector for small field dosimetry with FFF photon beams. <i>Physica Medica</i> , 2018, 45, 117-126.	1.5	31
90	High spatial resolution microdosimetry with monolithic $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml13" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ E-E detector on A^{12}C beam: Monte Carlo simulations and experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 887, 70-80.	1.3	16

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91	Semiconductor real-time quality assurance dosimetry in brachytherapy. Brachytherapy, 2018, 17, 133-145.	1.1	15
92	Time-of-flight spectrometry of ultra-short, polyenergetic proton bunches. Review of Scientific Instruments, 2018, 89, 123302.	1.5	8
93	Characterization of ^EELEKTA SRS</sup> cone collimator using high spatial resolution monolithic silicon detector array. Journal of Applied Clinical Medical Physics, 2018, 19, 114-124.	2.1	18
94	OC-0407: Real-time dose verification of dynamic MLC tracking using a monolithic 2D silicon diode array. Radiotherapy and Oncology, 2018, 127, S208-S209.	2.0	0
95	PO-1030: BrachyView: verification of a full LDR brachytherapy patient plan in a prostate gel phantom. Radiotherapy and Oncology, 2018, 127, S578-S579.	2.0	0
96	EP-1720: A silicon diode array detector for small field dosimetry with flattening filter free beams. Radiotherapy and Oncology, 2018, 127, S919-S920.	2.0	0
97	EP-1725: Quality assurance of Robotic SRS (Cyberknife) by an innovative angular independent silicon detector. Radiotherapy and Oncology, 2018, 127, S922-S923.	2.0	0
98	EP-1776: Verification of the NCS Code of Practice Report 24 for VMAT QA using a high-resolution detector. Radiotherapy and Oncology, 2018, 127, S953.	2.0	0
99	EP-1773: Dual detector prototype for on line dose verification during patient radiotherapy treatment. Radiotherapy and Oncology, 2018, 127, S951-S952.	2.0	0
100	CyberKnife^{Â®} fixed cone and Irisâ„¢ defined small radiation fields: Assessment with a highâ€resolution solidâ€state detector array. Journal of Applied Clinical Medical Physics, 2018, 19, 547-557.	2.1	28
101	^HHDR</sup> brachytherapy inâ€vivo source position verification using a 2D diode array: A Monte Carlo study. Journal of Applied Clinical Medical Physics, 2018, 19, 163-172.	2.1	16
102	Synchrotron X-ray microbeam dosimetry with a 20â€micrometre resolution scintillator fibre-optic dosimeter. Journal of Synchrotron Radiation, 2018, 25, 826-832.	2.9	19
103	On Monolithic Silicon Array Detectors for Small-Field Photon Beam Dosimetry. IEEE Transactions on Nuclear Science, 2018, 65, 2640-2649.	1.3	11
104	In-field and out-of-file application in ¹² C ion therapy using fully 3D silicon microdosimeters. Radiation Measurements, 2018, 115, 55-59.	2.0	18
105	Realâ€time high spatial resolution dose verification in stereotactic motion adaptive arc radiotherapy. Journal of Applied Clinical Medical Physics, 2018, 19, 173-184.	2.1	8
106	Applications of MOSkin dosimeters for quality assurance in gynecological HDR brachytherapy: An in-phantom feasibility study. Radiation Measurements, 2017, 106, 399-404.	2.0	3
107	X-Tream dosimetry of highly brilliant X-ray microbeams in the MRT hutch of the Australian Synchrotron. Radiation Measurements, 2017, 106, 405-411.	2.0	22
108	New silicon microdosimetry probes for RBE and biological dose studies using stationary and movable targets in¹²C ion therapy. Journal of Physics: Conference Series, 2017, 777, 012019.	0.3	4

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109	A convenient verification method of the entrance photo-neutron dose for an 18ÂMV medical linac using silicon p-i-n diodes. Radiation Measurements, 2017, 106, 391-398.	2.0	9
110	A 3D lateral electrode structure for diamond based microdosimetry. Applied Physics Letters, 2017, 110, .	3.1	19
111	3D silicon microdosimetry and RBE study using 12C ion of different energies. Journal of Physics: Conference Series, 2017, 777, 012037.	0.3	1
112	RBE study using solid state microdosimetry in heavy ion therapy. Radiation Measurements, 2017, 106, 512-518.	2.0	15
113	Clinical application of MOSkin dosimeters to rectal wall in vivo dosimetry in gynecological HDR brachytherapy. Physica Medica, 2017, 41, 5-12.	1.5	34
114	High-resolution fiber-optic dosimeters for microbeam radiation therapy. Medical Physics, 2017, 44, 1965-1968.	3.2	19
115	BrachyView: Combining LDR seed positions with transrectal ultrasound imaging in a prostate gel phantom. Physica Medica, 2017, 34, 55-64.	1.5	13
116	Study of the correlation between rectal wall in vivo dosimetry performed with MOSkins and implant modification during TRUS-guided HDR prostate brachytherapy. Radiation Measurements, 2017, 106, 385-390.	2.0	3
117	Feasibility study of a novel multi-strip silicon detector for use in proton therapy range verification quality assurance. Radiation Measurements, 2017, 106, 378-384.	2.0	6
118	A 2D silicon detector array for quality assurance in small field dosimetry: <scp>DUO</scp>. Medical Physics, 2017, 44, 628-636.	3.2	31
119	X-ray microbeam measurements with a high resolution scintillator fibre-optic dosimeter. Scientific Reports, 2017, 7, .	3.5	22
120	Optimisation of output factor measurements using the Magic Plate 512 silicon dosimeter array in small megavoltage photon fields. Journal of Physics: Conference Series, 2017, 777, 012022.	0.3	7
121	Microdosimetric measurements of a clinical proton beam with micrometer-sized solid-state detector. Medical Physics, 2017, 44, 6029-6037.	3.2	33
122	Characterization of proton pencil beam scanning and passive beam using a high spatial resolution solid-state microdosimeter. Medical Physics, 2017, 44, 6085-6095.	3.2	60
123	Introducing dynamic dosimaging: potential applications for MRI-linac. Journal of Physics: Conference Series, 2017, 777, 012007.	0.3	1
124	Initial testing of a pixelated silicon detector prototype in proton therapy. Journal of Applied Clinical Medical Physics, 2017, 18, 315-324.	2.1	8
125	OC-0532: QA of stereotactic radiotherapy combined with electromagnetic MLC tracking by a silicon detector. Radiotherapy and Oncology, 2017, 123, S282.	2.0	0
126	Development of a silicon diode detector for skin dosimetry in radiotherapy. Medical Physics, 2017, 44, 5402-5412.	3.2	10

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127	PO-0759: Validation of the influence of M512 substrate resistivity on sensitivity degradation of radiation. Radiotherapy and Oncology, 2017, 123, S400-S401.	2.0	0
128	PO-0766: The effect of air gaps on Magic Plate (MP512) for small field dosimetry. Radiotherapy and Oncology, 2017, 123, S405.	2.0	0
129	Deriving spatially resolved beta dose rates in sediment using the Timepix pixelated detector. Radiation Measurements, 2017, 106, 483-490.	2.0	10
130	The angular dependence of a two dimensional monolithic detector array for dosimetry in small radiation fields. Journal of Physics: Conference Series, 2017, 777, 012020.	0.3	2
131	New 3D Silicon detectors for dosimetry in Microbeam Radiation Therapy. Journal of Physics: Conference Series, 2017, 777, 012009.	0.3	9
132	Innovative detectors for quality assurance dosimetry in SBRT of stationary and movable targets. Journal of Physics: Conference Series, 2017, 777, 012014.	0.3	0
133	Experimental studies with two novel silicon detectors for the development of time-of-flight spectrometry of laser-accelerated proton beams. Journal of Physics: Conference Series, 2017, 777, 012018.	0.3	0
134	Effect of scattered electrons on the "Magic Plate"™ transmission array detector response. Journal of Physics: Conference Series, 2017, 777, 012033.	0.3	3
135	Radiation response and basic dosimetric characterisation of the "Magic Plate"™. Journal of Physics: Conference Series, 2017, 777, 012034.	0.3	0
136	Analytical Modelling and Simulation of Single and Double Cone Pinholes for Real-Time In-Body Tracking of an HDR Brachytherapy Source. IEEE Transactions on Nuclear Science, 2016, 63, 1375-1385.	1.3	6
137	Beam perturbation characteristics of a 2D transmission silicon diode array, Magic Plate. Journal of Applied Clinical Medical Physics, 2016, 17, 85-98.	2.1	9
138	BrachyView: multiple seed position reconstruction and comparison with CT post-implant dosimetry. Journal of Instrumentation, 2016, 11, P05002-P05002.	1.2	4
139	Fast Beam Profile Monitors for Microbeam Radiation Therapy. Radiotherapy and Oncology, 2016, 118, S99.	2.0	0
140	Monte Carlo study of a high resolution monolithic silicon diode array for MRI-linac applications. Radiotherapy and Oncology, 2016, 118, S79.	2.0	0
141	In vivo rectal wall measurements during HDR prostate brachytherapy with MOSkin dosimeters integrated on a trans-rectal US probe: Comparison with planned and reconstructed doses. Radiotherapy and Oncology, 2016, 118, 148-153.	2.0	34
142	EP-1490: Angular independent silicon detector for quality assurance in Small Field Radiotherapy. Radiotherapy and Oncology, 2016, 119, S688-S689.	2.0	0
143	Absorbed dose-to-water protocol applied to synchrotron-generated x-rays at very high dose rates. Physics in Medicine and Biology, 2016, 61, N349-N361.	3.1	44
144	Multi-strip silicon sensors for beam array monitoring in micro-beam radiation therapy. Physica Medica, 2016, 32, 1795-1800.	1.5	7

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145	Initial experiments with gel-water: towards MRI-linac dosimetry and imaging. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 921-932.	2.1	7
146	Dose verification of eye plaque brachytherapy using spectroscopic dosimetry. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 627-632.	2.1	3
147	EP-1996: Post IVD verification and recalibration of MOSkins using a certified low dose emitting Sr-90 source. Radiotherapy and Oncology, 2016, 119, S944.	2.0	0
148	OC-0252: BrachyView: A novel technique for seed localisation and real-time quality assurance. Radiotherapy and Oncology, 2016, 119, S115-S116.	2.0	0
149	OC-0255: Correction function for MOSkin readings in realtime in vivo dosimetry in HDR prostate brachytherapy. Radiotherapy and Oncology, 2016, 119, S117-S118.	2.0	0
150	Characterisation of a cobalt-60 small-beam animal irradiator using a realtime silicon pixelated detector. Journal of Instrumentation, 2016, 11, P04014-P04014.	1.2	0
151	Characterisation of Silicon Diode Arrays for Dosimetry in External Beam Radiation Therapy. IEEE Transactions on Nuclear Science, 2016, 63, 1808-1817.	1.3	9
152	X-Tream quality assurance in synchrotron X-ray microbeam radiation therapy. Journal of Synchrotron Radiation, 2016, 23, 1180-1190.	2.9	25
153	2D mapping of the MV photon fluence and 3D dose reconstruction in real time for quality assurance during radiotherapy treatment. Journal of Instrumentation, 2015, 10, P09019-P09019.	1.2	6
154	Thin silicon strip detectors for beam monitoring in Micro-beam Radiation Therapy. Journal of Instrumentation, 2015, 10, P11007-P11007.	1.2	13
155	Pretreatment verification of high dose rate brachytherapy plans using the "magic phantom" system. Biomedical Physics and Engineering Express, 2015, 1, 025201.	1.6	5
156	Medical physics aspects of the synchrotron radiation therapies: Microbeam radiation therapy (MRT) and synchrotron stereotactic radiotherapy (SSRT). Physica Medica, 2015, 31, 568-583.	1.5	97
157	3D Silicon Microdosimetry and RBE Study Using ^{12}C Ion of Different Energies. IEEE Transactions on Nuclear Science, 2015, 62, 3027-3033.	1.3	36
158	Characterization of a Large Area Thinned Silicon Microdosimeter for Space and Particle Therapy. IEEE Transactions on Nuclear Science, 2015, 62, 3003-3011.	1.3	2
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