Michael P R Waligorski

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Professor Ludwik Dobrzyński 1941–2022. International Journal of Radiation Biology, 2022, , 1-2.	1.8	0
2	Analysis of Indoor Radon Data Using Bayesian, Random Binning, and Maximum Entropy Methods. Dose-Response, 2021, 19, 155932582110093.	1.6	9
3	Are gamma passing rate and dose–volume histogram QA metrics correlated?. Medical Physics, 2021, 48, 4743-4753.	3.0	6
4	THE ROLE OF PARTICLE SPECTRA IN MODELING THE RELATIVE BIOLOGICAL EFFECTIVENESS OF PROTON RADIOTHERAPY BEAMS. Radiation Protection Dosimetry, 2019, 183, 251-254.	0.8	5
5	Ion recombination and polarity correction factors for a plane–parallel ionization chamber in a proton scanning beam. Medical Physics, 2018, 45, 391-401.	3.0	22
6	Comments on "The Past Informs the Future: An Overview of the Million Worker Study and the Mallinckrodt Chemical Works Cohort― Health Physics, 2018, 115, 387-388.	0.5	0
7	Measurement of stray neutron doses inside the treatment room from a proton pencil beam scanning system. Physica Medica, 2017, 34, 80-84.	0.7	19
8	Application of alanine dosimetry in dose assessment for ocular melanoma patients undergoing proton radiotherapy – preliminary results. Nukleonika, 2015, 60, 609-613.	0.8	0
9	The principles of Katz's cellular track structure radiobiological model. Radiation Protection Dosimetry, 2015, 166, 49-55.	0.8	10
10	A TPS kernel for calculating survival vs. depth: distributions in a carbon radiotherapy beam, based on Katz's cellular Track Structure Theory. Radiation Protection Dosimetry, 2015, 166, 347-350.	0.8	3
11	Proton microbeam radiotherapy with scanned pencil-beams – Monte Carlo simulations. Physica Medica, 2015, 31, 621-626.	0.7	15
12	Does microwave interstitial hyperthermia prior to high-dose-rate brachytherapy change prostate volume or therapy plan parameters?. International Journal of Hyperthermia, 2015, 31, 568-573.	2.5	4
13	A numerical method to optimise the spatial dose distribution in carbon ion radiotherapy planning. Radiation Protection Dosimetry, 2015, 166, 351-355.	0.8	2
14	Studies of scintillator response to 60 MeV protons in a proton beam imaging system. Nukleonika, 2015, 60, 683-687.	0.8	2
15	Performance of two commercial electron beam algorithms over regions close to the lung–mediastinum interface, against Monte Carlo simulation and point dosimetry in virtual and anthropomorphic phantoms. Physica Medica, 2014, 30, 147-154.	0.7	14
16	Clinical tests of large area thermoluminescent detectors under radiotherapy beams. Radiation Measurements, 2013, 51-52, 25-30.	1.4	8
17	The Response of 2D TL Foils After Doses of Co-60 Gamma-ray, 6 MVÂX-ray and 60 MeV Proton Beams Applied in Radiotherapy. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 1021.	0.1	1
18	Professor Zbigniew Jaworowski – In Memoriam. Dose-Response, 2012, 10, dose-response.1.	1.6	1

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19	The updated ESTRO core curricula 2011 for clinicians, medical physicists and RTTs in radiotherapy/radiation oncology. Radiotherapy and Oncology, 2012, 103, 103-108.	0.6	81
20	372 DEVELOPMENT OF A TWO-DIMENSIONAL DIGITAL TL DOSIMETRY SYSTEM INCORPORATING 2-D TL READERS AND TL FOILS. Radiotherapy and Oncology, 2012, 102, S190.	0.6	0
21	Robert Katz(1917–2011). Radiation Research, 2011, 176, 692-693.	1.5	0
22	1339 poster APPLICATION OF IMRT IN WHOLE-ABDOMEN IRRADIATION OF OVARIAN CANCER. Radiotherapy and Oncology, 2011, 99, S501.	0.6	0
23	Evaluation of risk of secondary cancer occurrence after proton radiotherapy of ocular tumours. Radiation Measurements, 2011, 46, 1944-1947.	1.4	12
24	Application of IMRT in adjuvant treatment of soft tissue sarcomas of the thigh—Preliminary results. Reports of Practical Oncology and Radiotherapy, 2011, 16, 110-114.	0.6	13
25	The application of amorphous track models to study cell survival in heavy ions beams. Radiation Protection Dosimetry, 2011, 143, 232-236.	0.8	3
26	Dosimetric properties of TL foils based on LiF:Mg,Cu,P (MCP-N) phosphors for clinical applications. Radiation Measurements, 2010, 45, 716-718.	1.4	8
27	Novel thermoluminescence foils for 2-D clinical dosimetry, based on CaSO4:Dy. Radiation Measurements, 2010, 45, 719-721.	1.4	17
28	Assessment of undesirable dose to eye-melanoma patients after proton radiotherapy. Radiation Measurements, 2010, 45, 1441-1444.	1.4	11
29	Individual patient shielding for a proton eye therapy facility. Radiation Measurements, 2010, 45, 1127-1129.	1.4	9
30	Facility for proton radiotherapy of eye cancer at IFJ PAN in Krakow. Radiation Measurements, 2010, 45, 1469-1471.	1.4	36
31	Track structure effects in a study of cell killing in normal human skin fibroblasts. International Journal of Radiation Biology, 2009, 85, 1101-1113.	1.8	9
32	TRAINING OF MEDICAL PHYSICISTS AND FORMAL REQUIREMENTS OF RADIOTHERAPY DEPARTMENTS RELATED TO EXPERTISE IN MEDICAL PHYSICS. Radiotherapy and Oncology, 2009, 92, S156.	0.6	2
33	Identification and assessment of elevated exposure to natural radiation in Balkan region (Serbia). Radioprotection, 2009, 44, 919-925.	1.0	7
34	Evaluation of the relative effectiveness of LiF-based TL detectors for electron radiotherapy beams over the energy range 6–20MeV. Radiation Measurements, 2008, 43, 879-882.	1.4	3
35	On the clinical applicability of large-area 2-D TL dosimetry for verifying small photon radiotherapy beams. Radiation Measurements, 2008, 43, 1004-1007.	1.4	5
36	2-D dosimetry of a proton radiotherapy beam using large-area LiF:Mg,Cu,P TL detectors. Radiation Measurements, 2008, 43, 977-980.	1.4	14

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37	TL efficiency of LiF:Mg,Cu,P (MCP-N) 2-D thermoluminescence detectors to raster-scanned carbon ion beams. Radiation Measurements, 2008, 43, 994-997.	1.4	8
38	Thermoluminescence dosimetry using TL-readers equipped with CCD cameras. Radiation Measurements, 2008, 43, 864-869.	1.4	27
39	Natural radiation and its hazard in copper ore mines in Poland. Acta Geophysica, 2008, 56, 505-517.	2.0	6
40	Two-dimensional dosimetry of radiotherapeutical proton beams using thermoluminescence foils. Radiation Protection Dosimetry, 2007, 126, 185-189.	0.8	10
41	A study of radiation dosimeters based on synthetic HPHT diamond. Diamond and Related Materials, 2007, 16, 191-195.	3.9	28
42	High-dose characterization of different LiF phosphors. Radiation Measurements, 2007, 42, 582-585.	1.4	26
43	Radon survey in the high natural radiation region of NiÅįka Banja, Serbia. Journal of Environmental Radioactivity, 2007, 92, 165-174.	1.7	35
44	Evidence of low-dose hyper-radiosensitivity in normal cells of cervix cancer patients?. Radiation Protection Dosimetry, 2006, 122, 282-284.	0.8	16
45	On the relationship between dose-, energy- and LET-response of thermoluminescent detectors. Radiation Protection Dosimetry, 2006, 119, 15-22.	0.8	28
46	New 2-D dosimetric technique for radiotherapy based on planar thermoluminescent detectors. Radiation Protection Dosimetry, 2006, 118, 213-218.	0.8	30
47	A TL-based anthropomorphic benchmark for verifying 3-D dose distributions from external electron beams calculated by radiotherapy treatment planning systems. Radiation Protection Dosimetry, 2006, 120, 74-77.	0.8	2
48	Two-dimensional thermoluminescence dosimetry using planar detectors and a TL reader with CCD camera readout. Radiation Protection Dosimetry, 2006, 120, 129-132.	0.8	20
49	A simple track structure model of ion beam radiotherapy. Radiation Protection Dosimetry, 2006, 122, 471-474.	0.8	3
50	Microdosimetric modelling of the response of thermoluminescence detectors to low- and high-LET ionising radiation. Radiation Protection Dosimetry, 2006, 122, 378-381.	0.8	4
51	Experimental results on the environmental samples collected around sites in South Serbia, Kosovo and Montenegro where DU weapons were deployed in 1999. Radioactivity in the Environment, 2005, , 1056-1063.	0.2	1
52	51 The MAESTRO project framework : goals and status. Radiotherapy and Oncology, 2005, 76, S34.	0.6	0
53	Measurement of 2-D dose distributions by large-area thermoluminescent detectors. Radiation Measurements, 2004, 38, 833-837.	1.4	17
54	Cellular parameters for track structure modeling of radiation hazard in space. Advances in Space Research, 2004, 34, 1378-1382.	2.6	1

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55	Synthetic diamonds as active detectors of ionising radiation. Diamond and Related Materials, 2004, 13, 918-922.	3.9	12
56	Cellular parameters and RBE-LET dependences for modelling heavy-ion radiotherapy. Radiotherapy and Oncology, 2004, 73, S173-S175.	0.6	4
57	Application of MCP-N (Lif: Mg, Cu, P) TL detectors in monitoring environmental radiation. Nuclear Technology and Radiation Protection, 2004, 19, 20-25.	0.8	4
58	Electronic lab notebooks – a crossroads is passed. Drug Discovery Today, 2003, 8, 1007-1009.	6.4	5
59	CVD diamond wafers as large-area thermoluminescence detectors for measuring the spatial distribution of dose. Physica Status Solidi A, 2003, 199, 119-124.	1.7	11
60	DARI to Go Where Radiation Has Gone Before. Physics Today, 2003, 56, 13-14.	0.3	0
61	On a Model-based Approach to Radiation Protection. Radiation Protection Dosimetry, 2002, 99, 439-444.	0.8	1
62	DoseÂeffect modifying factors in radiation protectionÂa 1967 National Commission on Radiation Protection document revisited. Journal of Radiological Protection, 2002, 22, A159-A161.	1.1	0
63	Validation of a Radiotherapy Treatment Planning System using an Anthropomorphic Phantom and MTS-N Thermoluminescent Detectors. Radiation Protection Dosimetry, 2002, 101, 477-480.	0.8	1
64	Miniature Thermoluminescent Detectors for Dosimetry in Radiotherapy. Radiation Protection Dosimetry, 2002, 101, 473-476.	0.8	9
65	CVD Diamonds as Thermoluminescent Detectors for Medical Applications. Radiation Protection Dosimetry, 2002, 101, 485-488.	0.8	31
66	Microdosimetric One Hit Detector Model for Calculation of Dose and Energy Response of Some Solid State Detectors. Radiation Protection Dosimetry, 2002, 99, 381-382.	0.8	5
67	Modeling the Response of Thermoluminescence Detectors Exposed to Low- and High-LET Radiation Fields. Journal of Radiation Research, 2002, 43, S59-S62.	1.6	24
68	A Study of the Thermoluminescent Properties of CVD Diamond Detectors. Physica Status Solidi A, 2002, 193, 470-475.	1.7	16
69	Summaries of articles in this issue. Journal of Radiological Protection, 2002, 22, .	1.1	1
70	Studies on the application of CVD diamonds as active detectors of ionising radiation. Physica B: Condensed Matter, 2001, 308-310, 1213-1216.	2.7	7
71	Weryfikacja procedur pomiarowych i wdrożenie opracowanego systemu kontroli jakości dla aparatu selectron LDR/MDR. Reports of Practical Oncology and Radiotherapy, 2001, 6, 85-90.	0.6	0
72	Verification of geometry reconstruction and dose calculation modules of the PLATO radiotherapy planing system. Reports of Practical Oncology and Radiotherapy, 2001, 6, 141-147.	0.6	1

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73	Supralinearity of peak 4 and 5 in thermoluminescent lithium fluoride MTS-N () detectors at different Mg and Ti concentration. Radiation Measurements, 2001, 33, 807-812.	1.4	16
74	A checklist for reporting of thermoluminescence dosimetry (TLD) measurements. Physics in Medicine and Biology, 1999, 44, L15-L17.	3.0	14
75	Modelling of the Thermoluminescence Response of LiF:Mg,Cu,P (MCP-N) Detectors after Doses of Low-Energy Photons. Radiation Protection Dosimetry, 1999, 84, 103-107.	0.8	23
76	What Can Solid State Detectors Do for Clinical Dosimetry in Modern Radiotherapy?. Radiation Protection Dosimetry, 1999, 85, 361-366.	0.8	5
77	Optimisation of LiF:Mg,Ti Detectors for Dosimetry in Proton Radiotherapy. Radiation Protection Dosimetry, 1999, 85, 367-371.	0.8	4
78	Proton Irradiation of 7LiF:Mg,Ti Thermoluminescent Detectors: Influence of Dopant Concentration on Dose Response and LET Dependence of TL Efficiency. Radiation Protection Dosimetry, 1999, 84, 179-184.	0.8	5
79	Application of Individually Calibrated Solid LiF,Ti (MTS-N) Detectors in Clinical Dosimetry. Radiation Protection Dosimetry, 1999, 85, 377-380.	0.8	15
80	Estimation of the Time Elapsed Between Exposure and Readout Using Peak Ratios of LiF:Mg,Cu,P (MCP-N,GR200A). Radiation Protection Dosimetry, 1999, 85, 149-152.	0.8	8
81	Development of TL dosimeters based on MTS-N (LiF:Mg, Ti) detectors for in vivo dosimetry in a Co-60 beam. Reports of Practical Oncology and Radiotherapy, 1998, 3, 43-47.	0.6	2
82	Influence of concentration of magnesium on the dose response and LET-dependence of TL efficiency in LiF:Mg,Cu,P (MCP-N) detectors. Radiation Measurements, 1998, 29, 355-359.	1.4	27
83	Investigation of Efficiency of Thermoluminescence Detectors for Particle Therapy Beams. Radiation Protection Dosimetry, 1997, 70, 501-504.	0.8	20
84	Calculation of relative biological effectiveness for proton beams using biological weighting functions. International Journal of Radiation Oncology Biology Physics, 1997, 37, 719-729.	0.8	69
85	Environmental Radiometry Around Coal Mining Wastes Using MCP-N (LiF:Mg,Cu,P) Detectors and Gamma-Ray Spectrometry. Radiation Protection Dosimetry, 1996, 66, 161-164.	0.8	2
86	Long-Term Investigation on Self-Irradiation and Sensitivity to Cosmic Rays of TL Detector Types TLD-200, TLD-700, MCP-N and New Phosphate Glass Dosemeter. Radiation Protection Dosimetry, 1996, 66, 135-138.	0.8	14
87	Comparison of LiF:Mg,Cu,P. (MCP-N, GR-200A) and Alpha-Al203:C TL Detectors in Short-Term Measurements of Natural Radiation. Radiation Protection Dosimetry, 1996, 66, 157-160.	0.8	11
88	Evaluation of Effective Dose in Environmental Dosimetry Using Humanoid Phantoms Representing Different Ages and Sex, and LiF:Mg,Ti and LiF:Mg,Cu,P Detectors. Radiation Protection Dosimetry, 1996, 66, 165-166.	0.8	0
89	The Hadron Radiotherapy Centre Project at the Institute of Nuclear Physics in Kraków, Poland. Radiotherapy and Oncology, 1995, 37, S64.	0.6	0
90	Thermoluminescence Efficiency of LiF:Mg,Cu,P (MCP-N) Detectors to Photons, Beta-Electrons, Alpha Particles and Thermal Neutrons. Radiation Protection Dosimetry, 1994, 55, 31-38.	0.8	64

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91	Track Structure Analysis of Survival of Two Mouse Lymphoma L5178Y Cell Strains of Different Radiation Sensitivity. Radiation Protection Dosimetry, 1994, 52, 207-210.	0.8	0
92	Dosimetric Characteristics of LiF:Mg,Cu,P Phosphors - A Track Structure Interpretation. Radiation Protection Dosimetry, 1993, 47, 53-58.	0.8	21
93	Analysis of Biological Effectiveness of Heavy Ions Using Two Microdosimetric Approaches. Radiation Protection Dosimetry, 1990, 31, 303-307.	0.8	1
94	The response of the alanine detector after charged-particle and neutron irradiations. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1989, 40, 923-933.	0.5	40
95	ESR dosimetry in calibration intercomparisons with high-energy photons and electrons. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1989, 40, 985-988.	0.5	11
96	Intercomparison of Gamma Ray, X Ray, and Fast Neutron Dosimetry using Alanine Detectors. Radiation Protection Dosimetry, 1989, , .	0.8	3
97	Radiosensitivity Parameters for Neoplastic Transformations in C3H10T1/2 Cells. Radiation Research, 1987, 111, 424.	1.5	22
98	The Fricke dosimeter as a 1-hit detector. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1986, 11, 301-307.	0.5	22
99	The radial distribution of dose around the path of a heavy ion in liquid water. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1986, 11, 309-319.	0.5	443
100	Comments on "Dental enamel as an in vivo radiation dosimeter― Medical Physics, 1986, 13, 422-422.	3.0	1
101	Supralinearity of peak 5 and peak 6 in TLD-700. Nuclear Instruments & Methods, 1980, 175, 48-50.	1.2	35
102	Supralinearity of peak 5 and peak 6 in TLD-700. Nuclear Instruments & Methods, 1980, 172, 463-470.	1.2	67
103	A permanently sealed multiwire proportional chamber with two-dimensional readout for X-ray applications in the region 20–60 keV. Nuclear Instruments & Methods, 1976, 135, 197-202.	1.2	2
104	Application of the finite-difference approximation to electrostatic problems in gaseous proportional counters. Nuclear Instruments & Methods, 1975, 124, 413-428.	1.2	6
105	Absolute field distribution in gaseous proportional counters of box-type geometry. Nuclear Instruments & Methods, 1973, 109, 403-405.	1.2	5
106	CVD diamonds as active and passive detectors of ionising radiation. Assessment of their applicability for medical dosimetry. , 0, , .		0