

Marek Maryanski

List of Publications by Year in descending order

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23
papers

1,476
citations

516215

16
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR relaxation enhancement in gels polymerized and cross-linked by ionizing radiation: A new approach to 3D dosimetry by MRI. <i>Magnetic Resonance Imaging</i> , 1993, 11, 253-258.	1.0	458
2	Radiation therapy dosimetry using magnetic resonance imaging of polymer gels. <i>Medical Physics</i> , 1996, 23, 699-705.	1.6	234
3	Characterisation of PRESAGE [®] : A new 3-D radiochromic solid polymer dosemeter for ionising radiation. <i>Radiation Protection Dosimetry</i> , 2006, 120, 107-112.	0.4	169
4	Performance of a commercial optical CT scanner and polymer gel dosimeters for 3-D dose verification. <i>Medical Physics</i> , 2004, 31, 3024-3033.	1.6	83
5	The Effects of Cross-Link Density and Chemical Exchange on Magnetization Transfer in Polyacrylamide Gels. <i>Journal of Magnetic Resonance Series B</i> , 1996, 110, 267-277.	1.6	73
6	Initial evaluation of commercial optical CT-based 3D gel dosimeter. <i>Medical Physics</i> , 2003, 30, 2159-2168.	1.6	66
7	Dosimetric evaluation of a novel polymer gel dosimeter for proton therapy. <i>Medical Physics</i> , 2010, 37, 2145-2152.	1.6	56
8	Dosimetry study of Re-188 liquid balloon for intravascular brachytherapy using polymer gel dosimeters and laser-beam optical CT scanner. <i>Medical Physics</i> , 2003, 30, 132-137.	1.6	48
9	Assessment of the accuracy of stereotactic radiosurgery using Fricke-infused gels and MRI. <i>Medical Physics</i> , 1993, 20, 1731-1734.	1.6	39
10	Determining optimal gel sensitivity in optical CT scanning of gel dosimeters. <i>Medical Physics</i> , 2003, 30, 2257-2263.	1.6	35
11	Characteristics of a new polymer gel for high-dose gradient dosimetry using a micro optical CT scanner. <i>Applied Radiation and Isotopes</i> , 2010, 68, 144-154.	0.7	35
12	Performance evaluation of an improved optical computed tomography polymer gel dosimeter system for 3D dose verification of static and dynamic phantom deliveries. <i>Medical Physics</i> , 2008, 35, 3847-3859.	1.6	32
13	Heterogeneity phantoms for visualization of 3D dose distributions by MRI-based polymer gel dosimetry. <i>Medical Physics</i> , 2004, 31, 975-984.	1.6	27
14	Microbeam radiation therapy: Tissue dose penetration and BANG-gel dosimetry of thick-beams [®] array interlacing. <i>European Journal of Radiology</i> , 2008, 68, S129-S136.	1.2	25
15	Sensitivity calibration procedures in optical CT scanning of BANG [®] polymer gel dosimeters. <i>Medical Physics</i> , 2010, 37, 861-868.	1.6	25
16	Optical readout of superheated emulsions. <i>Radiation Measurements</i> , 2008, 43, 432-436.	0.7	19
17	Direct Response to Proton Beam Linear Energy Transfer (LET) in a Novel Polymer Gel Dosimeter Formulation. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 441-445.	0.8	12
18	Test objects for MRI quality assurance based on polymer gels. <i>Medical Physics</i> , 1997, 24, 1405-1408.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Continuous three-dimensional radiation dosimetry in tissue-equivalent phantoms using electron paramagnetic resonance in L- β -alanine. Medical Physics, 1987, 14, 646-652.	1.6	10
20	Polyacrylamide-based phantoms as tissue substitute in experimental radiation physics. Medical Physics, 1985, 12, 788-792.	1.6	7
21	3D Dosimetry Study of ^{188}Re Liquid Balloon for Intravascular Brachytherapy Using BANG Polymer Gel Dosimeters. Radiation Protection Dosimetry, 2002, 99, 397-399.	0.4	5
22	Performance of a new commercial high-definition 3D patient specific quality assurance system for CyberKnife robotic radiotherapy and radiosurgery. Radiation Measurements, 2021, 143, 106568.	0.7	5
23	SU-286: Performance of An Improved Optical Computed Tomography Polymer Gel Dosimeter System for ^{30}P Dose Verification of Static and Dynamic Phantom Deliveries. Medical Physics, 2008, 35, 2791-2791.	1.6	2