

Slobodan Devic

List of Publications by Year in descending order

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68
papers

2,845
citations

212478

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190340

53
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69
all docs

69
docs citations

69
times ranked

2321
citing authors

#	ARTICLE	IF	CITATIONS
1	A normoxic acrylic acid polymer gel for dosimetry in radiation therapy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 665.	0.7	2
2	Clinical Implication of Dosimetry Formalisms for Electronic Low-Energy Photon Intraoperative Radiation Therapy. <i>Practical Radiation Oncology</i> , 2021, 11, e114-e121.	1.1	10
3	Positional and angular tracking of HDR 192 Ir source for brachytherapy quality assurance using radiochromic film dosimetry. <i>Medical Physics</i> , 2020, 47, 6122-6139.	1.6	4
4	Dose response linearization in radiochromic film dosimetry based on multichannel normalized pixel value with an integrated spectral correction for scanner response variations. <i>Medical Physics</i> , 2019, 46, 5336-5349.	1.6	9
5	Size-specific dose estimations for pediatric chest, abdomen/pelvis and head CT scans with the use of GATE. <i>Physica Medica</i> , 2019, 65, 181-190.	0.4	10
6	Image Guided Adaptive Endorectal Brachytherapy in the Nonoperative Management of Patients With Rectal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1005-1011.	0.4	33
7	Impact of inertia on possible fundamental drawbacks in radiochromic film dosimetry. <i>Physica Medica</i> , 2019, 66, 133-134.	0.4	4
8	Dose measurements nearby low energy electronic brachytherapy sources using radiochromic film. <i>Physica Medica</i> , 2019, 64, 40-44.	0.4	9
9	Monte Carlo simulations of different CT X-ray energy spectra within CTDI phantom and the influence of its changes on radiochromic film measurements. <i>Physica Medica</i> , 2019, 62, 105-110.	0.4	4
10	Optimization of HDRBT boost dose delivery for patients with rectal cancer. <i>Brachytherapy</i> , 2019, 18, 559-563.	0.2	7
11	Physics aspects of the Papillon technique "Five decades later. <i>Brachytherapy</i> , 2018, 17, 234-243.	0.2	1
12	Image quality for radiotherapy CT simulators with different scanner bore size. <i>Physica Medica</i> , 2018, 45, 65-71.	0.4	11
13	Technical Note: Response time evolution of XR-QA2 GafChromic [®] film models. <i>Medical Physics</i> , 2018, 45, 488-492.	1.6	5
14	Comparison of dose response functions for EBT3 model GafChromic [®] film dosimetry system. <i>Physica Medica</i> , 2018, 49, 112-118.	0.4	26
15	What Is the Optimal Radiation Technique for Esophageal Cancer? A Dosimetric Comparison of Four Techniques. <i>Cureus</i> , 2018, 10, e2985.	0.2	5
16	New normoxic N-(Hydroxymethyl)acrylamide based polymer gel for 3D dosimetry in radiation therapy. <i>Physica Medica</i> , 2017, 33, 121-126.	0.4	35
17	Commissioning of applicator-guided stereotactic body radiation therapy boost with high-dose-rate brachytherapy for advanced cervical cancer using radiochromic film dosimetry. <i>Brachytherapy</i> , 2017, 16, 893-902.	0.2	3
18	Dose comparison between TG-43 based calculations and radiochromic film measurements of the Freiburg flap applicator used for high-dose-rate brachytherapy treatments of skin lesions. <i>Brachytherapy</i> , 2017, 16, 1065-1072.	0.2	10

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19	Warburg Effect - a Consequence or the Cause of Carcinogenesis?. Journal of Cancer, 2016, 7, 817-822.	1.2	93
20	Response to "Comment on "A protocol for EBT3 radiochromic film dosimetry using reflection scanning" [Med. Phys. 41(12), 122101 (6pp.) (2014)]. Medical Physics, 2016, 43, 1580-1582.	1.6	0
21	FDG-PET-based differential uptake volume histograms: a possible approach towards definition of biological target volumes. British Journal of Radiology, 2016, 89, 20150388.	1.0	4
22	Reference radiochromic film dosimetry: Review of technical aspects. Physica Medica, 2016, 32, 541-556.	0.4	208
23	Use of a control film piece in radiochromic film dosimetry. Physica Medica, 2016, 32, 202-207.	0.4	25
24	High-dose-rate pre-operative endorectal brachytherapy for patients with rectal cancer. Journal of Contemporary Brachytherapy, 2015, 2, 183-188.	0.4	36
25	The Effect of Radiotherapy on Gentamicin Ototoxicity. Otolaryngology - Head and Neck Surgery, 2015, 152, 1094-1101.	1.1	7
26	A practical method of modeling a treatment couch using cone-beam computed tomography for intensity-modulated radiation therapy and RapidArc treatment delivery. Medical Dosimetry, 2015, 40, 304-313.	0.4	0
27	Radiochromic film-based quality assurance for CT-based high-dose-rate brachytherapy. Brachytherapy, 2015, 14, 578-585.	0.2	9
28	Correcting scan-to-scan response variability for a radiochromic film-based reference dosimetry system. Medical Physics, 2015, 42, 5692-5701.	1.6	43
29	A protocol for EBT3 radiochromic film dosimetry using reflection scanning. Medical Physics, 2014, 41, 122101.	1.6	49
30	Characterization of calibration curves and energy dependence GafChromic TM XR-QA2 model based radiochromic film dosimetry system. Medical Physics, 2014, 41, 062105.	1.6	42
31	The effect of fractionated radiotherapy in sensorineural hearing loss: An animal model. Laryngoscope, 2014, 124, E418-E424.	1.1	2
32	Safety and Otoprotection of Metformin in Radiation-Induced Sensorineural Hearing Loss in the Guinea Pig. Otolaryngology - Head and Neck Surgery, 2014, 150, 859-865.	1.1	20
33	Direction-Modulated Brachytherapy for High-Dose-Rate Treatment of Cervical Cancer. I: Theoretical Design. International Journal of Radiation Oncology Biology Physics, 2014, 89, 666-673.	0.4	39
34	Mechanisms of radiation-induced sensorineural hearing loss and radioprotection. Hearing Research, 2014, 312, 60-68.	0.9	27
35	Radiochromic film based dosimetry of image-guidance procedures on different radiotherapy modalities. Journal of Applied Clinical Medical Physics, 2014, 15, 229-239.	0.8	30
36	The Relevance of Dosimetry in Animal Models of Cochlear Irradiation. Otology and Neurotology, 2014, 35, 704-711.	0.7	5

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37	Poster - Thur Eve - 33: The Influence of a Modeled Treatment Couch on Dose Distributions During IMRT and RapidArc Treatment Delivery. Medical Physics, 2014, 41, 13-13.	1.6	1
38	Dynamic modulated brachytherapy (DMBT) for rectal cancer. Medical Physics, 2013, 40, 011718.	1.6	42
39	Response to "Comments on "Linearization of dose-response curve of the radiochromic film dosimetry system" [Med. Phys. 39(8), 4850-4857 (2012)]. Medical Physics, 2012, 39, 7173-7174.	1.6	0
40	MRI simulation for radiotherapy treatment planning. Medical Physics, 2012, 39, 6701-6711.	1.6	127
41	EBT2 film as a depth-dose measurement tool for radiotherapy beams over a wide range of energies and modalities. Medical Physics, 2012, 39, 912-921.	1.6	53
42	Linearization of dose-response curve of the radiochromic film dosimetry system. Medical Physics, 2012, 39, 4850-4857.	1.6	64
43	Radiochromic film dosimetry: Past, present, and future. Physica Medica, 2011, 27, 122-134.	0.4	270
44	The Value of Botox-A in Acute Radiation Proctitis: Results From a Phase I/II Study Using a Three-Dimensional Scoring System. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1505-1511.	0.4	10
45	Radiochromic film dosimetry of HDR ¹⁹² Ir source radiation fields. Medical Physics, 2011, 38, 6074-6083.	1.6	46
46	Reference dosimetry during diagnostic CT examination using XRQA radiochromic film model. Medical Physics, 2011, 38, 5119-5129.	1.6	16
47	Comment on "Reference radiochromic film dosimetry in kilovoltage photon beams during CBCT image acquisition" [Med. Phys. 37, 1083-1092 (2010)]. Medical Physics, 2010, 37, 3008-3008.	1.6	5
48	Local Pelvic Relapses after Neoadjuvant High-dose Rate Endorectal Brachytherapy for Patients with Operable Rectal Cancer. Current Colorectal Cancer Reports, 2010, 6, 228-234.	1.0	1
49	Defining Radiotherapy Target Volumes Using 18F-Fluoro-Deoxy-Glucose Positron Emission Tomography/Computed Tomography: Still a Pandora's Box?. International Journal of Radiation Oncology Biology Physics, 2010, 78, 1555-1562.	0.4	34
50	Radiochromic film is superior to ion chamber arrays for IMRT quality assurance. Medical Physics, 2010, 37, 959-961.	1.6	2
51	Reference radiochromic film dosimetry in kilovoltage photon beams during CBCT image acquisition. Medical Physics, 2010, 37, 1083-1092.	1.6	65
52	High Dose Rate Endorectal Brachytherapy for Patients With Curable Rectal Cancer. Seminars in Colon and Rectal Surgery, 2010, 21, 115-119.	0.2	22
53	Evaluation of EBT-2 model GAFCHROMIC ₂ film performance in water. Medical Physics, 2010, 37, 3687-3693.	1.6	31
54	Absorption spectra time evolution of EBT ₂ model GAFCHROMIC ₂ film. Medical Physics, 2010, 37, 2207-2214.	1.6	92

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55	Diagnosis and Treatment of Rectal Cancer. Cancer Metastasis - Biology and Treatment, 2010, , 389-407.	0.1	0
56	Risk of Hypogonadism From Scatter Radiation During Pelvic Radiation in Male Patients With Rectal Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 74, 1481-1486.	0.4	43
57	Optimizing the dynamic range extension of a radiochromic film dosimetry system. Medical Physics, 2009, 36, 429-437.	1.6	98
58	Rotational total skin electron irradiation with a linear accelerator. Journal of Applied Clinical Medical Physics, 2008, 9, 123-134.	0.8	30
59	Image-guided high dose rate endorectal brachytherapy. Medical Physics, 2007, 34, 4451-4458.	1.6	24
60	Sensitivity of linear CCD array based film scanners used for film dosimetry. Medical Physics, 2006, 33, 3993-3996.	1.6	55
61	Absorption spectroscopy of EBT model GAFCHROMIC film. Medical Physics, 2006, 34, 112-118.	1.6	64
62	Dosimetric characterization of a novel intracavitary mold applicator for Ir192 high dose rate endorectal brachytherapy treatment. Medical Physics, 2006, 33, 4515-4526.	1.6	38
63	High-dose-rate endorectal brachytherapy in the treatment of locally advanced rectal carcinoma: Technical aspects. Brachytherapy, 2005, 4, 230-235.	0.2	50
64	Advantages of inflatable multichannel endorectal applicator in the neo-adjuvant treatment of patients with locally advanced rectal cancer with HDR brachytherapy. Journal of Applied Clinical Medical Physics, 2005, 6, 44-49.	0.8	7
65	Precise radiochromic film dosimetry using a flat-bed document scanner. Medical Physics, 2005, 32, 2245-2253.	1.6	482
66	Advantages of inflatable multichannel endorectal applicator in the neo-adjuvant treatment of patients with locally advanced rectal cancer with HDR brachytherapy. Journal of Applied Clinical Medical Physics, 2005, 6, 44-49.	0.8	10
67	Comparative skin dose measurement in the treatment of anal canal cancer: Conventional versus conformal therapy. Medical Physics, 2004, 31, 1316-1321.	1.6	6
68	Dosimetric properties of improved GafChromic films for seven different digitizers. Medical Physics, 2004, 31, 2392-2401.	1.6	227