

Slobodan Devic

List of Publications by Citations

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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.

68

papers

2,361

citations

25

h-index

48

g-index

69

ext. papers

2,586

ext. citations

3

avg, IF

5.38

L-index

#	Paper	IF	Citations
68	Precise radiochromic film dosimetry using a flat-bed document scanner. <i>Medical Physics</i> , 2005 , 32, 2245-53	4.4	434
67	Radiochromic film dosimetry: past, present, and future. <i>Physica Medica</i> , 2011 , 27, 122-34	2.7	213
66	Dosimetric properties of improved GafChromic films for seven different digitizers. <i>Medical Physics</i> , 2004 , 31, 2392-401	4.4	206
65	Reference radiochromic film dosimetry: Review of technical aspects. <i>Physica Medica</i> , 2016 , 32, 541-56	2.7	156
64	MRI simulation for radiotherapy treatment planning. <i>Medical Physics</i> , 2012 , 39, 6701-11	4.4	95
63	Optimizing the dynamic range extension of a radiochromic film dosimetry system. <i>Medical Physics</i> , 2009 , 36, 429-37	4.4	91
62	Absorption spectra time evolution of EBT-2 model GAFCHROMIC film. <i>Medical Physics</i> , 2010 , 37, 2207-14	4.4	81
61	Warburg Effect - a Consequence or the Cause of Carcinogenesis?. <i>Journal of Cancer</i> , 2016 , 7, 817-22	4.5	68
60	Absorption spectroscopy of EBT model GAFCHROMIC film. <i>Medical Physics</i> , 2007 , 34, 112-8	4.4	59
59	Linearization of dose-response curve of the radiochromic film dosimetry system. <i>Medical Physics</i> , 2012 , 39, 4850-7	4.4	57
58	Reference radiochromic film dosimetry in kilovoltage photon beams during CBCT image acquisition. <i>Medical Physics</i> , 2010 , 37, 1083-92	4.4	55
57	Sensitivity of linear CCD array based film scanners used for film dosimetry. <i>Medical Physics</i> , 2006 , 33, 3993-6	4.4	52
56	EBT2 film as a depth-dose measurement tool for radiotherapy beams over a wide range of energies and modalities. <i>Medical Physics</i> , 2012 , 39, 912-21	4.4	49
55	Radiochromic film dosimetry of HDR (192)Ir source radiation fields. <i>Medical Physics</i> , 2011 , 38, 6074-83	4.4	43
54	High-dose-rate endorectal brachytherapy in the treatment of locally advanced rectal carcinoma: technical aspects. <i>Brachytherapy</i> , 2005 , 4, 230-5	2.4	42
53	A protocol for EBT3 radiochromic film dosimetry using reflection scanning. <i>Medical Physics</i> , 2014 , 41, 122101	4.4	41
52	Risk of hypogonadism from scatter radiation during pelvic radiation in male patients with rectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 74, 1481-6	4	38

51	Correcting scan-to-scan response variability for a radiochromic film-based reference dosimetry system. <i>Medical Physics</i> , 2015 , 42, 5692-701	4.4	33
50	Characterization of calibration curves and energy dependence GafChromic \square XR-QA2 model based radiochromic film dosimetry system. <i>Medical Physics</i> , 2014 , 41, 062105	4.4	33
49	Dosimetric characterization of a novel intracavitary mold applicator for ^{192}Ir high dose rate endorectal brachytherapy treatment. <i>Medical Physics</i> , 2006 , 33, 4515-26	4.4	32
48	Direction-modulated brachytherapy for high-dose-rate treatment of cervical cancer. I: theoretical design. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 89, 666-73	4	31
47	Defining radiotherapy target volumes using ^{18}F -fluoro-deoxy-glucose positron emission tomography/computed tomography: still a Pandora's box?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 1555-62	4	31
46	High-dose-rate pre-operative endorectal brachytherapy for patients with rectal cancer. <i>Journal of Contemporary Brachytherapy</i> , 2015 , 7, 183-8	1.9	29
45	Dynamic modulated brachytherapy (DMBT) for rectal cancer. <i>Medical Physics</i> , 2013 , 40, 011718	4.4	29
44	Evaluation of EBT-2 model GAFCHROMIC film performance in water. <i>Medical Physics</i> , 2010 , 37, 3687-93	4.4	26
43	New normoxic N-(Hydroxymethyl)acrylamide based polymer gel for 3D dosimetry in radiation therapy. <i>Physica Medica</i> , 2017 , 33, 121-126	2.7	25
42	Rotational total skin electron irradiation with a linear accelerator. <i>Journal of Applied Clinical Medical Physics</i> , 2008 , 9, 123-134	2.3	25
41	Use of a control film piece in radiochromic film dosimetry. <i>Physica Medica</i> , 2016 , 32, 202-7	2.7	22
40	Comparison of dose response functions for EBT3 model GafChromic \square film dosimetry system. <i>Physica Medica</i> , 2018 , 49, 112-118	2.7	21
39	Image-guided high dose rate endorectal brachytherapy. <i>Medical Physics</i> , 2007 , 34, 4451-8	4.4	21
38	High Dose Rate Endorectal Brachytherapy for Patients With Curable Rectal Cancer. <i>Seminars in Colon and Rectal Surgery</i> , 2010 , 21, 115-119	0.3	20
37	Mechanisms of radiation-induced sensorineural hearing loss and radioprotection. <i>Hearing Research</i> , 2014 , 312, 60-8	3.9	19
36	Radiochromic film based dosimetry of image-guidance procedures on different radiotherapy modalities. <i>Journal of Applied Clinical Medical Physics</i> , 2014 , 15, 5006	2.3	19
35	Safety and otoprotection of metformin in radiation-induced sensorineural hearing loss in the guinea pig. <i>Otolaryngology - Head and Neck Surgery</i> , 2014 , 150, 859-65	5.5	17
34	Reference dosimetry during diagnostic CT examination using XR-QA radiochromic film model. <i>Medical Physics</i> , 2011 , 38, 5119-29	4.4	13

33	Dose measurements nearby low energy electronic brachytherapy sources using radiochromic film. <i>Physica Medica</i> , 2019 , 64, 40-44	2.7	9
32	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	2.4	9
31	The value of Botox-A in acute radiation proctitis: results from a phase I/II study using a three-dimensional scoring system. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 1505-11	4	9
30	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	4	8
29	Radiochromic film-based quality assurance for CT-based high-dose-rate brachytherapy. <i>Brachytherapy</i> , 2015 , 14, 578-85	2.4	8
28	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	4.4	8
27	Advantages of inflatable multichannel endorectal applicator in the neo-adjuvant treatment of patients with locally advanced rectal cancer with HDR brachytherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2005 , 6, 44-49	2.3	8
26	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	2.7	7
25	Image quality for radiotherapy CT simulators with different scanner bore size. <i>Physica Medica</i> , 2018 , 45, 65-71	2.7	7
24	The effect of radiotherapy on gentamicin ototoxicity: an animal model. <i>Otolaryngology - Head and Neck Surgery</i> , 2015 , 152, 1094-101	5.5	6
23	Advantages of inflatable multichannel endorectal applicator in the neo-adjuvant treatment of patients with locally advanced rectal cancer with HDR brachytherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2005 , 6, 44-9	2.3	6
22	The relevance of dosimetry in animal models of cochlear irradiation. <i>Otology and Neurotology</i> , 2014 , 35, 704-11	2.6	5
21	Technical Note: Response time evolution of XR-QA2 GafChromic film models. <i>Medical Physics</i> , 2018 , 45, 488-492	4.4	5
20	Impact of inertia on possible fundamental drawbacks in radiochromic film dosimetry. <i>Physica Medica</i> , 2019 , 66, 133-134	2.7	4
19	Comment on "Reference radiochromic film dosimetry in kilovoltage photon beams during CBCT image acquisition" [Med. Phys. 37, 1083-1092 (2010)]. <i>Medical Physics</i> , 2010 , 37, 3008	4.4	4
18	Comparative skin dose measurement in the treatment of anal canal cancer: conventional versus conformal therapy. <i>Medical Physics</i> , 2004 , 31, 1316-21	4.4	4
17	What Is the Optimal Radiation Technique for Esophageal Cancer? A Dosimetric Comparison of Four Techniques. <i>Cureus</i> , 2018 , 10, e2985	1.2	4
16	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	2.4	3

15	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	2.7	3
14	High-Dose-Rate Preoperative Endorectal Brachytherapy for Patients with Rectal Cancer 2010 , 277-288		3
13	FDG-PET-based differential uptake volume histograms: a possible approach towards definition of biological target volumes. <i>British Journal of Radiology</i> , 2016 , 89, 20150388	3.4	3
12	Optimization of HDRBT boost dose delivery for patients with rectal cancer. <i>Brachytherapy</i> , 2019 , 18, 559-563	2.4	2
11	The effect of fractionated radiotherapy in sensorineural hearing loss: an animal model. <i>Laryngoscope</i> , 2014 , 124, E418-24	3.6	2
10	Point/counterpoint. Radiochromic film is superior to ion chamber arrays for IMRT quality assurance. <i>Medical Physics</i> , 2010 , 37, 959-61	4.4	2
9	Positional and angular tracking of HDR Ir source for brachytherapy quality assurance using radiochromic film dosimetry. <i>Medical Physics</i> , 2020 , 47, 6122-6139	4.4	2
8	Physics aspects of the Papillon technique-Five decades later. <i>Brachytherapy</i> , 2018 , 17, 234-243	2.4	1
7	Local Pelvic Relapses after Neoadjuvant High-dose Rate Endorectal Brachytherapy for Patients with Operable Rectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2010 , 6, 228-234	1	1
6	Clinical Implication of Dosimetry Formalisms for Electronic Low-Energy Photon Intraoperative Radiation Therapy. <i>Practical Radiation Oncology</i> , 2021 , 11, e114-e121	2.8	1
5	A normoxic acrylic acid polymer gel for dosimetry in radiation therapy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022 , 331, 665	1.5	0
4	A practical method of modeling a treatment couch using cone-beam computed tomography for intensity-modulated radiation therapy and RapidArc treatment delivery. <i>Medical Dosimetry</i> , 2015 , 40, 304-13	1.3	
3	Response to "Comments on Linearization of dose-response curve of the radiochromic film dosimetry system" [Med. Phys. 39(8), 4850-4857 (2012)]. <i>Medical Physics</i> , 2012 , 39, 7173-7174	4.4	
2	Diagnosis and Treatment of Rectal Cancer. <i>Cancer Metastasis - Biology and Treatment</i> , 2010 , 389-407		
1	Response to "Comment on A protocol for EBT3 radiochromic film dosimetry using reflection scanning" [Med. Phys. 41(12), 122101 (6pp.) (2014)]. <i>Medical Physics</i> , 2016 , 43, 1580-2	4.4	