Yury Niatsetski

List of Publications by Year
in descending order

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		1163117	839539
23	432	8	18
papers	citations	h-index	g-index

23	23	23	475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of clinical brachytherapy uncertainties: Analysis guidelines of GEC-ESTRO and the AAPM. Radiotherapy and Oncology, 2014, 110, 199-212.	0.6	243
2	Application and benchmarking of multi-objective evolutionary algorithms on high-dose-rate brachytherapy planning for prostate cancer treatment. Swarm and Evolutionary Computation, 2018, 40, 37-52.	8.1	33
3	GPUâ€accelerated biâ€objective treatment planning for prostate highâ€doseâ€rate brachytherapy. Medical Physics, 2019, 46, 3776-3787.	3.0	22
4	Surface brachytherapy: Joint report of the AAPM and the GECâ€ESTRO Task Group No. 253. Medical Physics, 2020, 47, e951-e987.	3.0	22
5	Commissioning and periodic tests of the EsteyaÂ® electronic brachytherapy system. Journal of Contemporary Brachytherapy, 2015, 2, 189-195.	0.9	17
6	Modeling of the direction modulated brachytherapy tandem applicator using the Oncentra Brachy advanced collapsed cone engine. Brachytherapy, 2018, 17, 1030-1036.	0.5	9
7	Advanced Collapsed cone Engine dose calculations in tissue media for <scp>COMS</scp> eye plaques loaded with Iâ€125 seeds. Medical Physics, 2018, 45, 3349-3360.	3.0	9
8	Fast and insightful bi-objective optimization for prostate cancer treatment planning with high-dose-rate brachytherapy. Applied Soft Computing Journal, 2019, 84, 105681.	7.2	9
9	Sensitivity of doseâ€volume indices to computation settings in highâ€doseâ€rate prostate brachytherapy treatment plan evaluation. Journal of Applied Clinical Medical Physics, 2019, 20, 66-74.	1.9	9
10	Robust optimization for HDR prostate brachytherapy applied to organ reconstruction uncertainty. Physics in Medicine and Biology, 2021, 66, 055001.	3.0	9
11	GEC-ESTRO ACROP recommendations on calibration and traceability of LE-LDR photon-emitting brachytherapy sources at the hospital level. Radiotherapy and Oncology, 2019, 135, 120-129.	0.6	8
12	Exploring trade-offs between target coverage, healthy tissue sparing, and the placement of catheters in HDR brachytherapy for prostate cancer using a novel multi-objective model-based mixed-integer evolutionary algorithm. , 2017, , .		7
13	Better and faster catheter position optimization in HDR brachytherapy for prostate cancer using multi-objective real-valued GOMEA. , 2018, , .		7
14	Initial evaluation of Advanced Collapsed cone Engine dose calculations in water medium for Iâ€125 seeds and <scp>COMS</scp> eye plaques. Medical Physics, 2018, 45, 1276-1286.	3.0	6
15	A Monte Carloâ€based dosimetric characterization of Esteya^{Â®}, an electronic surface brachytherapy unit. Medical Physics, 2019, 46, 356-369.	3.0	5
16	Biâ€objective optimization of catheter positions for highâ€doseâ€rate prostate brachytherapy. Medical Physics, 2020, 47, 6077-6086.	3.0	5
17	Robust Evolutionary Bi-objective Optimization for Prostate Cancer Treatment with High-Dose-Rate Brachytherapy. Lecture Notes in Computer Science, 2020, , 441-453.	1.3	5
18	Efficient, effective, and insightful tackling of the high-dose-rate brachytherapy treatment planning problem for prostate cancer using evolutionary multi-objective optimization algorithms. , 2017, , .		2

#	Article	IF	Citations
19	On the use of the absorbed depthâ€dose measurements in the beam calibration of a surface electronic highâ€doseâ€rate brachytherapy unit, a Monte Carloâ€based study. Medical Physics, 2020, 47, 693-702.	3.0	2
20	Depth-dose measurement corrections for the surface electronic brachytherapy beams of an EsteyaÂ® unit: a Monte Carlo study. Physics in Medicine and Biology, 2020, 65, 245026.	3.0	2
21	Dosimetric Uncertainties in the Practice of Clinical Brachytherapy. Brachytherapy, 2011, 10, S32-S33.	0.5	1
22	New HDR Valencia Applicator for Treating Skin Lesions Larger Than 3 cm Size with Either a Co-60 or Ir-192 Source. Brachytherapy, 2016, 15, S41.	0.5	0
23	A Monte Carlo study of the relative biological effectiveness in surface brachytherapy. Medical Physics, 2022, 49, 5576-5588.	3.0	0