

Yury Niatsetski

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

432
citations

1163117

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g-index

23
all docs

23
docs citations

23
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	A Monte Carlo study of the relative biological effectiveness in surface brachytherapy. Medical Physics, 2022, 49, 5576-5588.	3.0	0
2	Robust optimization for HDR prostate brachytherapy applied to organ reconstruction uncertainty. Physics in Medicine and Biology, 2021, 66, 055001.	3.0	9
3	On the use of the absorbed depth dose measurements in the beam calibration of a surface electronic high dose rate brachytherapy unit, a Monte Carlo based study. Medical Physics, 2020, 47, 693-702.	3.0	2
4	Bi-objective optimization of catheter positions for high dose rate prostate brachytherapy. Medical Physics, 2020, 47, 6077-6086.	3.0	5
5	Surface brachytherapy: Joint report of the AAPM and the GEC-ESTRO Task Group No. 253. Medical Physics, 2020, 47, e951-e987.	3.0	22
6	Depth-dose measurement corrections for the surface electronic brachytherapy beams of an Esteya [®] unit: a Monte Carlo study. Physics in Medicine and Biology, 2020, 65, 245026.	3.0	2
7	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
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	GPU accelerated bi-objective treatment planning for prostate high dose rate brachytherapy. Medical Physics, 2019, 46, 3776-3787.	3.0	22
10	Sensitivity of dose volume indices to computation settings in high dose rate prostate brachytherapy treatment plan evaluation. Journal of Applied Clinical Medical Physics, 2019, 20, 66-74.	1.9	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	A Monte Carlo based dosimetric characterization of Esteya [®] , an electronic surface brachytherapy unit. Medical Physics, 2019, 46, 356-369.	3.0	5
13	Initial evaluation of Advanced Collapsed cone Engine dose calculations in water medium for ¹²⁵ I seeds and COMS eye plaques. Medical Physics, 2018, 45, 1276-1286.	3.0	6
14	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
15	Better and faster catheter position optimization in HDR brachytherapy for prostate cancer using multi-objective real-valued GOMEA. , 2018, , .		7
16	Modeling of the direction modulated brachytherapy tandem applicator using the Oncentra Brachy advanced collapsed cone engine. Brachytherapy, 2018, 17, 1030-1036.	0.5	9
17	Advanced Collapsed cone Engine dose calculations in tissue media for COMS eye plaques loaded with ¹²⁵ I seeds. Medical Physics, 2018, 45, 3349-3360.	3.0	9
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	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
20	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
21	Commissioning and periodic tests of the Esteya® electronic brachytherapy system. Journal of Contemporary Brachytherapy, 2015, 2, 189-195.	0.9	17
22	Review of clinical brachytherapy uncertainties: Analysis guidelines of GEC-ESTRO and the AAPM. Radiotherapy and Oncology, 2014, 110, 199-212.	0.6	243
23	Dosimetric Uncertainties in the Practice of Clinical Brachytherapy. Brachytherapy, 2011, 10, S32-S33.	0.5	1