

# Monica Serban

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2398473/publications.pdf>

Version: 2024-02-01

16  
papers

343  
citations

1162889

8  
h-index

996849

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	A deformable phantom for 4D radiotherapy verification: Design and image registration evaluation. <i>Medical Physics</i> , 2008, 35, 1094-1102.	1.6	86
2	Ring Versus Ovoids and Intracavitary Versus Intracavitary-Interstitial Applicators in Cervical Cancer Brachytherapy: Results From the EMBRACE I Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 1052-1062.	0.4	51
3	Performance of Knowledge-Based Radiation Therapy Planning for the Glioblastoma Disease Site. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1021-1028.	0.4	41
4	Isodose surface volumes in cervix cancer brachytherapy: Change of practice from standard (Point A) to individualized image guided adaptive (EMBRACE I) brachytherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 567-574.	0.3	39
5	On mixed electron-photon radiation therapy optimization using the column generation approach. <i>Medical Physics</i> , 2017, 44, 4287-4298.	1.6	28
6	4D dose-position verification in radiation therapy using the RADPOS system in a deformable lung phantom. <i>Medical Physics</i> , 2011, 38, 179-187.	1.6	24
7	Novel knowledge-based treatment planning model for hypofractionated radiotherapy of prostate cancer patients. <i>Physica Medica</i> , 2020, 69, 36-43.	0.4	16
8	A comparative analysis of longitudinal computed tomography and histopathology for evaluating the potential of mesenchymal stem cells in mitigating radiation-induced pulmonary fibrosis. <i>Scientific Reports</i> , 2017, 7, 9056.	1.6	14
9	Robust mixed electron-photon radiation therapy optimization. <i>Medical Physics</i> , 2019, 46, 1384-1396.	1.6	11
10	Simultaneous trajectory generation and volumetric modulated arc therapy optimization. <i>Medical Physics</i> , 2020, 47, 3078-3090.	1.6	7
11	Vaginal dose-surface maps in cervical cancer brachytherapy: Methodology and preliminary results on correlation with morbidity. <i>Brachytherapy</i> , 2021, 20, 565-575.	0.2	7
12	Ion chamber and film-based quality assurance of mixed electron-photon radiation therapy. <i>Medical Physics</i> , 2021, 48, 5382-5395.	1.6	7
13	Characterization of combined intracavitary/interstitial brachytherapy including oblique needles in locally advanced cervix cancer. <i>Brachytherapy</i> , 2021, 20, 796-806.	0.2	7
14	Investigating the role of functional imaging in the management of soft-tissue sarcomas of the extremities. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 6, 53-60.	1.2	4
15	Computed tomography-based virtual simulation versus ultrasound-based clinical setup in electron breast boost radiotherapy: Methodology for CT-based electron virtual simulation. <i>Physica Medica</i> , 2019, 67, 100-106.	0.4	1
16	Comparison of quantitative and qualitative scoring approaches for radiation-induced pulmonary fibrosis as applied to a preliminary investigation into the efficacy of mesenchymal stem cell delivery methods in a rat model. <i>BJR  Open</i> , 2021, 3, 20210006.	0.4	0