

# Jan Hrbacek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10975793/publications.pdf>

Version: 2024-02-01

23  
papers

662  
citations

759233

12  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commissioning of Photon Beams of a Flattening Filter-Free Linear Accelerator and the Accuracy of Beam Modeling Using an Anisotropic Analytical Algorithm. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 1228-1237.	0.8	126
2	Effect of high dose per pulse flattening filter-free beams on cancer cell survival. <i>Radiotherapy and Oncology</i> , 2011, 101, 226-232.	0.6	76
3	Practice Patterns Analysis of Ocular Proton Therapy Centers: The International OPTIC Survey. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 336-343.	0.8	69
4	Clinical application of flattening filter free beams for extracranial stereotactic radiotherapy. <i>Radiotherapy and Oncology</i> , 2013, 106, 255-259.	0.6	53
5	The Use of Photon Beams of a Flattening Filter-free Linear Accelerator for Hypofractionated Volumetric Modulated Arc Therapy in Localized Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1655-1660.	0.8	52
6	Dosimetric comparison of flattened and unflattened beams for stereotactic ablative radiotherapy of stage I non-small cell lung cancer. <i>Medical Physics</i> , 2014, 41, 031709.	3.0	47
7	Pretreatment quality assurance of flattening filter free beams on 224 patients for intensity modulated plans: A multicentric study. <i>Medical Physics</i> , 2012, 39, 1351-1356.	3.0	39
8	Quantitative evaluation of a beam-matching procedure using one-dimensional gamma analysis. <i>Medical Physics</i> , 2007, 34, 2917-2927.	3.0	38
9	Experimental validation of a deforming grid 4D dose calculation for PBS proton therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 055005.	3.0	26
10	With Gaze Tracking Toward Noninvasive Eye Cancer Treatment. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1914-1924.	4.2	15
11	Commissioning and quality assurance of a novel solution for respiratory-gated PBS proton therapy based on optical tracking of surface markers. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, 32, 52-62.	1.5	14
12	Personalized Anatomic Eye Model From T1-Weighted Volume Interpolated Gradient Echo Magnetic Resonance Imaging of Patients With Uveal Melanoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 813-820.	0.8	13
13	Characterization of the HollandPTC proton therapy beamline dedicated to uveal melanoma treatment and an interinstitutional comparison. <i>Medical Physics</i> , 2021, 48, 4506-4522.	3.0	13
14	Noninvasive eye localization in ocular proton therapy through optical eye tracking: A proof of concept. <i>Medical Physics</i> , 2018, 45, 2186-2194.	3.0	12
15	Automated Treatment Planning System for Uveal Melanomas Treated With Proton Therapy: A Proof-of-Concept Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 724-731.	0.8	11
16	Practice Considerations for Proton Beam Radiation Therapy of Uveal Melanoma During the Coronavirus Disease Pandemic: Particle Therapy Co-Operative Group Ocular Experience. <i>Advances in Radiation Oncology</i> , 2020, 5, 682-686.	1.2	11
17	Potential and pitfalls of 1.5T MRI imaging for target volume definition in ocular proton therapy. <i>Radiotherapy and Oncology</i> , 2021, 154, 53-59.	0.6	11
18	Combining rescanning and gating for a time-efficient treatment of mobile tumors using pencil beam scanning proton therapy. <i>Radiotherapy and Oncology</i> , 2021, 160, 82-89.	0.6	11

#	ARTICLE	IF	CITATIONS
19	Good long-term visual outcomes of parapapillary choroidal melanoma patients treated with proton therapy: a comparative study. <i>International Ophthalmology</i> , 2021, 41, 441-452.	1.4	8
20	MRI and FUNDUS image fusion for improved ocular biometry in Ocular Proton Therapy. <i>Radiotherapy and Oncology</i> , 2022, 174, 16-22.	0.6	8
21	Clinical Outcomes after International Referral of Uveal Melanoma Patients for Proton Therapy. <i>Cancers</i> , 2021, 13, 6241.	3.7	5
22	Technical Note: Benchmarking automated eye tracking and human detection for motion monitoring in ocular proton therapy. <i>Medical Physics</i> , 2020, 47, 2237-2241.	3.0	4
23	Non-invasive recognition of eye torsion through optical imaging of the iris pattern in ocular proton therapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 135014.	3.0	0