Jan Hrbacek

List of Publications by Year
in descending order

		759233	677142
23	662	12	22
papers	citations	h-index	g-index
23	23	23	660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commissioning and quality assurance of a novel solution for respiratory-gated PBS proton therapy based on optical tracking of surface markers. Zeitschrift Fur Medizinische Physik, 2022, 32, 52-62.	1.5	14
2	MRI and FUNDUS image fusion for improved ocular biometry in Ocular Proton Therapy. Radiotherapy and Oncology, 2022, 174, 16-22.	0.6	8
3	Potential and pitfalls of 1.5T MRI imaging for target volume definition in ocular proton therapy. Radiotherapy and Oncology, 2021, 154, 53-59.	0.6	11
4	Good long-term visual outcomes of parapapillary choroidal melanoma patients treated with proton therapy: a comparative study. International Ophthalmology, 2021, 41, 441-452.	1.4	8
5	Combining rescanning and gating for a time-efficient treatment of mobile tumors using pencil beam scanning proton therapy. Radiotherapy and Oncology, 2021, 160, 82-89.	0.6	11
6	Characterization of the HollandPTC proton therapy beamline dedicated to uveal melanoma treatment and an interinstitutional comparison. Medical Physics, 2021, 48, 4506-4522.	3.0	13
7	Non-invasive recognition of eye torsion through optical imaging of the iris pattern in ocular proton therapy. Physics in Medicine and Biology, 2021, 66, 135014.	3.0	0
8	Clinical Outcomes after International Referral of Uveal Melanoma Patients for Proton Therapy. Cancers, 2021, 13, 6241.	3.7	5
9	Technical Note: Benchmarking automated eye tracking and human detection for motion monitoring in ocular proton therapy. Medical Physics, 2020, 47, 2237-2241.	3.0	4
10	Practice Considerations for Proton Beam Radiation Therapy of Uveal Melanoma During the Coronavirus Disease Pandemic: Particle Therapy Co-Operative Group Ocular Experience. Advances in Radiation Oncology, 2020, 5, 682-686.	1.2	11
11	Noninvasive eye localization in ocular proton therapy through optical eye tracking: A proof of concept. Medical Physics, 2018, 45, 2186-2194.	3.0	12
12	Automated Treatment Planning System for Uveal Melanomas Treated With Proton Therapy: A Proof-of-Concept Analysis. International Journal of Radiation Oncology Biology Physics, 2018, 101, 724-731.	0.8	11
13	Experimental validation of a deforming grid 4D dose calculation for PBS proton therapy. Physics in Medicine and Biology, 2018, 63, 055005.	3.0	26
14	Personalized Anatomic Eye Model From T1-Weighted Volume Interpolated Gradient Echo Magnetic Resonance Imaging of Patients With Uveal Melanoma. International Journal of Radiation Oncology Biology Physics, 2018, 102, 813-820.	0.8	13
15	Practice Patterns Analysis of Ocular Proton Therapy Centers: The International OPTIC Survey. International Journal of Radiation Oncology Biology Physics, 2016, 95, 336-343.	0.8	69
16	With Gaze Tracking Toward Noninvasive Eye Cancer Treatment. IEEE Transactions on Biomedical Engineering, 2016, 63, 1914-1924.	4.2	15
17	Dosimetric comparison of flattened and unflattened beams for stereotactic ablative radiotherapy of stage I non–small cell lung cancer. Medical Physics, 2014, 41, 031709.	3.0	47
18	Clinical application of flattening filter free beams for extracranial stereotactic radiotherapy. Radiotherapy and Oncology, 2013, 106, 255-259.	0.6	53

#	Article	IF	Citations
19	Pretreatment quality assurance of flattening filter free beams on 224 patients for intensity modulated plans: A multicentric study. Medical Physics, 2012, 39, 1351-1356.	3.0	39
20	The Use of Photon Beams of a Flattening Filter-free Linear Accelerator for Hypofractionated Volumetric Modulated Arc Therapy in Localized Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2012, 83, 1655-1660.	0.8	52
21	Effect of high dose per pulse flattening filter-free beams on cancer cell survival. Radiotherapy and Oncology, 2011, 101, 226-232.	0.6	76
22	Commissioning of Photon Beams of a Flattening Filter-Free Linear Accelerator and the Accuracy of Beam Modeling Using an Anisotropic Analytical Algorithm. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1228-1237.	0.8	126
23	Quantitative evaluation of a beam-matching procedure using one-dimensional gamma analysis. Medical Physics, 2007, 34, 2917-2927.	3.0	38