

# Markus Stock

## List of Publications by Year in descending order

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14  
papers

503  
citations

1040056

9  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretation and evaluation of the $\hat{I}^3$ index and the $\hat{I}^3$ index angle for the verification of IMRT hybrid plans. <i>Physics in Medicine and Biology</i> , 2005, 50, 399-411.	3.0	99
2	Radiochromic film dosimetry: Considerations on precision and accuracy for EBT2 and EBT3 type films. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 153-163.	1.5	76
3	Image quality and stability of image-guided radiotherapy (IGRT) devices: A comparative study. <i>Radiotherapy and Oncology</i> , 2009, 93, 1-7.	0.6	70
4	Development and application of a real-time monitoring and feedback system for deep inspiration breath hold based on external marker tracking. <i>Medical Physics</i> , 2006, 33, 2868-2877.	3.0	62
5	The technological basis for adaptive ion beam therapy at MedAustron: Status and outlook. <i>Zeitschrift Fur Medizinische Physik</i> , 2018, 28, 196-210.	1.5	51
6	IGRT induced dose burden for a variety of imaging protocols at two different anatomical sites. <i>Radiotherapy and Oncology</i> , 2012, 102, 355-363.	0.6	46
7	Investigations on Parotid Gland Recovery after IMRT in Head and Neck Tumor Patients. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 665-671.	2.0	26
8	Physics Contributions Original article A detailed dosimetric comparison between manual and inverse plans in HDR intracavitary/interstitial cervical cancer brachytherapy. <i>Journal of Contemporary Brachytherapy</i> , 2010, 4, 163-170.	0.9	24
9	Clinical implementation and commissioning of the MedAustron Particle Therapy Accelerator for non- $\epsilon$ isocentric scanned proton beam treatments. <i>Medical Physics</i> , 2020, 47, 380-392.	3.0	20
10	An MRI sequence independent convolutional neural network for synthetic head CT generation in proton therapy. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, 32, 218-227.	1.5	9
11	Results of an independent dosimetry audit for scanned proton beam therapy facilities. <i>Zeitschrift Fur Medizinische Physik</i> , 2021, 31, 145-153.	1.5	6
12	The Influence of Motion on the Delivery Accuracy When Comparing Actively Scanned Carbon Ions versus Protons at a Synchrotron-Based Radiotherapy Facility. <i>Cancers</i> , 2022, 14, 1788.	3.7	6
13	Evaluation of the inter- and intrafraction displacement for head patients treated at the particle therapy centre MedAustron based on the comparison of different commercial immobilisation devices. <i>Zeitschrift Fur Medizinische Physik</i> , 2021, , .	1.5	5
14	Possibilities and challenges when using synthetic computed tomography in an adaptive carbon-ion treatment workflow. <i>Zeitschrift Fur Medizinische Physik</i> , 2023, 33, 146-154.	1.5	3