

# Sasa Mutic

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

800  
citations

686830

13  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increase in Superficial Dose in Whole-Breast Irradiation With Halcyon Straight-Through Linac Compared With Traditional C-arm Linac With Flattening Filter: In Vivo Dosimetry and Planning Study. <i>Advances in Radiation Oncology</i> , 2020, 5, 120-126.	0.6	18
2	Implementation of the structural SIMilarity (SSIM) index as a quantitative evaluation tool for dose distribution error detection. <i>Medical Physics</i> , 2020, 47, 1907-1919.	1.6	30
3	Technical Note: Dosimetric characterization of the dynamic beam flattening MLC sequence on a ring shaped, Jawless Linear Accelerator with double stacked MLC. <i>Medical Physics</i> , 2020, 47, 948-957.	1.6	7
4	Comprehensive validation of halcyon 2.0 plans and the implementation of patient specific QA with multiple detector platforms. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 39-48.	0.8	27
5	A Monte Carlo based analytic model of neutron dose equivalent for a meVion gantry mounted passively scattered proton system for craniospinal irradiation. <i>Medical Physics</i> , 2020, 47, 4509-4521.	1.6	6
6	Field-in-field breast planning for a jawless, double-stack MLC LINAC using flattening filter-free beams. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 14-26.	0.8	9
7	Characterization of a prototype rapid kilovoltage x-ray image guidance system designed for a ring shape radiation therapy unit. <i>Medical Physics</i> , 2019, 46, 1355-1370.	1.6	64
8	A preliminary study of the local biomechanical environment of liver tumors in vivo. <i>Medical Physics</i> , 2019, 46, 1728-1739.	1.6	4
9	Treatment Outcome Prediction for Cancer Patients Based on Radiomics and Belief Function Theory. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 216-224.	2.7	21
10	Phase I/II Trial of Electrophysiology-Guided Noninvasive Cardiac Radioablation for Ventricular Tachycardia. <i>Circulation</i> , 2019, 139, 313-321.	1.6	288
11	A deep Boltzmann machine-driven level set method for heart motion tracking using cine MRI images. <i>Medical Image Analysis</i> , 2018, 47, 68-80.	7.0	23
12	Technical Note: A feasibility study of using the flat panel detector on linac for the kV x-ray generator test. <i>Medical Physics</i> , 2018, 45, 3305-3314.	1.6	0
13	A practical implementation of physics quality assurance for photon adaptive radiotherapy. <i>Zeitschrift Fur Medizinische Physik</i> , 2018, 28, 211-223.	0.6	29
14	Normalize the response of EPID in pursuit of linear accelerator dosimetry standardization. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 73-85.	0.8	11
15	An adaptive Fuzzy C-means method utilizing neighboring information for breast tumor segmentation in ultrasound images. <i>Medical Physics</i> , 2017, 44, 3752-3760.	1.6	35
16	Performance of a multi leaf collimator system for MR-guided radiation therapy. <i>Medical Physics</i> , 2017, 44, 6504-6514.	1.6	18
17	Two-and-a-half-year clinical experience with the world's first magnetic resonance image guided radiation therapy system. <i>Advances in Radiation Oncology</i> , 2017, 2, 485-493.	0.6	128
18	A method to reconstruct and apply 3D primary fluence for treatment delivery verification. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 128-138.	0.8	4

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19	A modified fuzzy C-means method for segmenting MR images using non-local information. Technology and Health Care, 2016, 24, S785-S793.	0.5	9
20	An integrated model-driven method for in-treatment upper airway motion tracking using cine MRI in head and neck radiation therapy. Medical Physics, 2016, 43, 4700-4710.	1.6	14
21	Automated contouring error detection based on supervised geometric attribute distribution models for radiation therapy: A general strategy. Medical Physics, 2015, 42, 1048-1059.	1.6	45
22	Automatic CT simulation optimization for radiation therapy: A general strategy. Medical Physics, 2014, 41, 031913.	1.6	9
23	Comment on "Medical physics graduate programs should focus on education and research and leave clinical training to residencies" [Med. Phys.26, 2051-2053 (1999)]. Medical Physics, 2000, 27, 1204-1205.	1.6	1