Marta Paiusco

List of Publications by Year in descending order

32 papers	1,046 citations	566801 15 h-index	414034 32 g-index
32 all docs	32 docs citations	32 times ranked	1157 citing authors

#	Article	IF	Citations
1	Testing of the analytical anisotropic algorithm for photon dose calculation. Medical Physics, 2006, 33, 4130-4148.	1.6	240
2	Acceptance tests and quality control (QC) procedures for the clinical implementation of intensity modulated radiotherapy (IMRT) using inverse planning and the sliding window technique: experience from five radiotherapy departments. Radiotherapy and Oncology, 2002, 65, 53-70.	0.3	135
3	Physical radiotherapy treatment planning based on functional PET/CT data. Radiotherapy and Oncology, 2010, 96, 317-324.	0.3	101
4	IMRT treatment planningâ€"A comparative inter-system and inter-centre planning exercise of the ESTRO QUASIMODO group. Radiotherapy and Oncology, 2005, 76, 354-361.	0.3	88
5	Reducing inter- and intra-planner variability in radiotherapy plan output with a commercial knowledge-based planning solution. Physica Medica, 2018, 53, 86-93.	0.4	56
6	A two-variable linear model of parotid shrinkage during IMRT for head and neck cancer. Radiotherapy and Oncology, 2010, 94, 206-212.	0.3	43
7	Dosimetric verification of IMAT delivery with a conventional EPID system and a commercial portal dose image prediction tool. Medical Physics, 2010, 37, 377-390.	1.6	39
8	Uncertainty Estimation in Intensity-Modulated Radiotherapy Absolute Dosimetry Verification. International Journal of Radiation Oncology Biology Physics, 2007, 68, 301-310.	0.4	33
9	Radiation dose in chest CT: Assessment of size-specific dose estimates based on water-equivalent correction. Physica Medica, 2016, 32, 393-397.	0.4	31
10	A Novel Benchmarking Approach to Assess the Agreement among Radiomic Tools. Radiology, 2022, 303, 533-541.	3.6	29
11	Efficiently train and validate a RapidPlan model through <scp>APQM</scp> scoring. Medical Physics, 2018, 45, 2611-2619.	1.6	27
12	Technical Note: An IBEX adaption toward image biomarker standardization. Medical Physics, 2020, 47, 1167-1173.	1.6	26
13	The research versus clinical service role of medical physics. Radiotherapy and Oncology, 2015, 114, 285-288.	0.3	24
14	Inverse and forward optimization of one- and two-dimensional intensity-modulated radiation therapy-based treatment of concave-shaped planning target volumes: the case of prostate cancer. Radiotherapy and Oncology, 2003, 66, 185-195.	0.3	20
15	Limiting treatment plan complexity by applying a novel commercial tool. Journal of Applied Clinical Medical Physics, 2020, 21, 27-34.	0.8	18
16	Quantitative analysis of image metrics for reduced and standard dose pediatric ¹⁸F-FDG PET/MRI examinations. British Journal of Radiology, 2019, 92, 20180438.	1.0	16
17	Internal radiation dose assessment of radiopharmaceuticals prepared with cyclotronâ€produced ^{99m}Tc. Medical Physics, 2019, 46, 1437-1446.	1.6	15
18	Diamagnetic impurity effects on the NÃ©el temperature in La2CuO4 and related materials. Physica C: Superconductivity and Its Applications, 1993, 210, 373-385.	0.6	14

#	Article	IF	Citations
19	Delivering RapidArcÂ®: A comprehensive study on accuracy and long term stability. Physica Medica, 2016, 32, 866-873.	0.4	14
20	Impact of acquisition count statistics reduction and SUV discretization on PET radiomic features in pediatric 18F-FDG-PET/MRI examinations. Physica Medica, 2019, 59, 117-126.	0.4	14
21	External photon radiation treatment for prostate cancer: Uncomplicated and cancer-free control probability assessment of 36 plans. Physica Medica, 2019, 66, 88-96.	0.4	10
22	Use of a portable gamma camera for guiding surgical treatment in locally advanced breast cancer in a post-neoadjuvant therapy setting. Breast Cancer Research and Treatment, 2014, 146, 331-340.	1.1	9
23	Assessing good operating conditions for intraoperative imaging of melanoma sentinel nodes by a portable gamma camera. Physica Medica, 2015, 31, 92-97.	0.4	8
24	Use of radiation dose index monitoring software in a multicenter environment for CT dose optimization. Radiologia Medica, 2018, 123, 944-951.	4.7	8
25	Intensity-modulated radiation therapy and volumetric modulated arc therapy versus conventional conformal techniques at high energy: Dose assessment and impact on second primary cancer in the out-of-field region. Reports of Practical Oncology and Radiotherapy, 2018, 23, 251-259.	0.3	7
26	Validation of a commercial TPS based on the VMC++ Monte Carlo code for electron beams: Commissioning and dosimetric comparison with EGSnrc in homogeneous and heterogeneous phantoms. Physica Medica, 2014, 30, 25-35.	0.4	6
27	Typical values for pediatric interventional cardiology catheterizations: A standardized approach towards Diagnostic Reference Level establishment. Physica Medica, 2020, 76, 134-141.	0.4	4
28	The Intensity Modulated Multiple Arc (IMMA) Technique: Forward & Inverse Planned Procedures to Deliver Hypo- Fractionated IMAT Treatments. Current Radiopharmaceuticals, 2009, 2, 149-159.	0.3	4
29	Performance evaluation of a new time of flight PET/CT scanner: Results of a multicenter study. Physica Medica, 2019, 68, 146-154.	0.4	3
30	Can electronic interactions alone explain the diamagnetic impurity effects on antiferromagnetism in La2CuO4 and related materials?. Physica C: Superconductivity and Its Applications, 1993, 209, 327-330.	0.6	2
31	Optimizing radiotherapy plans for cancer treatment with Tensor Networks. Physics in Medicine and Biology, 2021, 66, 125015.	1.6	1
32	SU-E-T-466: TCP and NTCP: Is That All?. Medical Physics, 2012, 39, 3812-3812.	1.6	1