

Gabriele Guidi

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

314
citations

932766

10
h-index

839053

18
g-index

40
all docs

40
docs citations

40
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Adjuvant radiotherapy after extrapleural pneumonectomy for mesothelioma. Prospective analysis of a multi-institutional series. <i>Radiotherapy and Oncology</i> , 2011, 101, 311-315.	0.3	49
2	A machine learning tool for re-planning and adaptive RT: A multicenter cohort investigation. <i>Physica Medica</i> , 2016, 32, 1659-1666.	0.4	46
3	A support vector machine tool for adaptive tomotherapy treatments: Prediction of head and neck patients criticalities. <i>Physica Medica</i> , 2015, 31, 442-451.	0.4	30
4	A machine learning tool for re-planning and adaptive RT: A multicenter cohort investigation. <i>Physica Medica</i> , 2016, 32, 31.	0.4	30
5	Critical appraisal of the role of volumetric modulated arc therapy in the radiation therapy management of breast cancer. <i>Radiation Oncology</i> , 2017, 12, 200.	1.2	26
6	Expanding the medical physicist curricular and professional programme to include Artificial Intelligence. <i>Physica Medica</i> , 2021, 83, 174-183.	0.4	23
7	Review of the results of the in vivo dosimetry during total skin electron beam therapy. <i>Reports of Practical Oncology and Radiotherapy</i> , 2014, 19, 144-150.	0.3	22
8	Artificial intelligence in the medical physics community: An international survey. <i>Physica Medica</i> , 2021, 81, 141-146.	0.4	21
9	Hierarchical clustering applied to automatic atlas based segmentation of 25 cardiac sub-structures. <i>Physica Medica</i> , 2020, 69, 70-80.	0.4	19
10	Expert system classifier for adaptive radiation therapy in prostate cancer. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 337-348.	1.4	12
11	Radiomics classifier to quantify automatic segmentation quality of cardiac sub-structures for radiotherapy treatment planning. <i>Physica Medica</i> , 2021, 83, 278-286.	0.4	10
12	SIS epidemiological model for adaptive RT: Forecasting the parotid glands shrinkage during tomotherapy treatment. <i>Medical Physics</i> , 2016, 43, 4294-4303.	1.6	5
13	Evaluation of the effectiveness of novel single-intervention adaptive radiotherapy strategies based on daily dose accumulation. <i>Medical Dosimetry</i> , 2019, 44, 379-384.	0.4	5
14	REAL-TIME LUNG TUMOUR MOTION MODELING FOR ADAPTIVE RADIATION THERAPY USING LEGO MINDSTORMS. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540019.	0.3	4
15	Focus issue: Artificial intelligence in medical physics. <i>Physica Medica</i> , 2021, 83, 287-291.	0.4	4
16	SU-EJ-96: Predictive Neural Network for Parotid Glands Deformation Using IGRT and Dose Warping Systems. <i>Medical Physics</i> , 2014, 41, 177-177.	1.6	4
17	1264 poster 4D CT-BASED PTV DEFINITION FOR LUNG TUMOURS: COMPARISON WITH CONVENTIONAL 3D-CRT USING INDIVIDUAL MARGINS. <i>Radiotherapy and Oncology</i> , 2011, 99, S471.	0.3	1
18	PO-0923: Deformable registration using python scripting for adaptive RT automation. <i>Radiotherapy and Oncology</i> , 2014, 111, S116.	0.3	1

#	ARTICLE	IF	CITATIONS
19	EP-1547: Uncertainties of deformable image registration considering motion: a 4D phantom study. Radiotherapy and Oncology, 2015, 115, S845-S846.	0.3	1
20	TU-AB-303-11: Predict Parotids Deformation Applying SIS Epidemiological Model in H&N Adaptive RT. Medical Physics, 2015, 42, 3592-3592.	1.6	1
21	10.18 Simultaneous scatter and attenuation correction in myocardial SPECT. Journal of Nuclear Cardiology, 2001, 8, S64-S64.	1.4	0
22	HEALTH TECHNOLOGY ASSESSMENT: EVALUATION OF THE SETUP ERROR OF SEVERAL ANATOMICAL DISTRICTS AND TYPE OF TREATMENTS USING THE MVCT OF A TOMOTHERAPY UNIT. Radiotherapy and Oncology, 2009, 92, S172.	0.3	0
23	1179 poster EVALUATION OF THE MOTION OF AN INTERNAL VOLUME BY MEANS SIGNALS SURROGATE ACQUIRED USING OPTICAL TRACKING DEVICES. Radiotherapy and Oncology, 2011, 99, S439.	0.3	0
24	1245 poster FINE VS COARSE MVCT: EVALUATION OF INTER-FRACTION ERRORS IN PATIENTS TREATED WITH TOMOTHERAPY®. Radiotherapy and Oncology, 2011, 99, S463-S464.	0.3	0
25	478 poster COMPARISON OF MVCT AND OPTICAL SURFACE SYSTEMS FOR PATIENT POSITIONING. Radiotherapy and Oncology, 2011, 99, S194.	0.3	0
26	1519 poster A PLAN ROBUST ANALYSIS FOR AVM TREATMENTS USING A TOMOTHERAPY UNIT. Radiotherapy and Oncology, 2011, 99, S566.	0.3	0
27	277 oral ADJUVANT RADIOTHERAPY AFTER EXTRAPLEURAL PNEUMONECTOMY FOR MESOTHELIOMA. PROSPECTIVE ANALYSIS OF A MULTI-STITUTIONAL SERIES. Radiotherapy and Oncology, 2011, 99, S109.	0.3	0
28	861 poster RAPID SYMPTOMATIC HELICAL TOMOTHERAPY IRRADIATION: FEASIBILITY AND EVALUATION OF CONFORMITY INDEX AND OARS DOSE. Radiotherapy and Oncology, 2011, 99, S333.	0.3	0
29	1233 poster AUTOMATIC +/âˆ’ MANUAL CORRECTION FOR INTER-FRACTION ERRORS DETECTION IN PATIENTS TREATED WITH TOMOTHERAPY®. Radiotherapy and Oncology, 2011, 99, S459-S460.	0.3	0
30	EP-1689: Warping methods for Tomotherapy and IGRT: Challenge and predictive analysis in clinical practice. Radiotherapy and Oncology, 2014, 111, S243.	0.3	0
31	EP-1482: A 4D LEGO anthropomorphic phantom for intrafractionmotion modeling during patient breathing. Radiotherapy and Oncology, 2015, 115, S805.	0.3	0
32	Dose accumulation and replanning in H&N patient: A step toward implementation of art in clinical practice. Physica Medica, 2016, 32, 12.	0.4	0
33	Susceptible-infected-susceptible model applied to RT to predict parotid glands shrinkage during 6 weeks of therapy. Physica Medica, 2016, 32, 38-39.	0.4	0
34	Intra-fraction motion in IMRT, VMAT and helical tomotherapy: In vivo dosimetry using TLD and LEGO phantom. Physica Medica, 2016, 32, 38.	0.4	0
35	The organ equivalent dose to quantify secondary cancer induction in breast after VMAT treatments. Physica Medica, 2016, 32, 31.	0.4	0
36	New era for QA and VMAT: Real-time monitor system in clinical practice. Physica Medica, 2016, 32, 31.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Forecasting algorithm to predict re-planning in tomotherapy: Follow-up toxicity correlation. <i>Physica Medica</i> , 2016, 32, 38.	0.4	0
38	P2.02-058 Moderately Hypofractionated Radiotherapy in Locally Advanced Non-Small Cell Lung Cancer: A Single Institution Retrospective Analysis. <i>Journal of Thoracic Oncology</i> , 2017, 12, S883.	0.5	0
39	SU-FF-T-670: Dose Comparison of Rival Plans for Cranio-Spinal Irradiation Using Helical Tomotherapy. <i>Medical Physics</i> , 2009, 36, 2679-2679.	1.6	0
40	SU-FF-T-615: Multicenter Intercomparison for Treatment of the Mesothelioma with IMRT and Tomotherapy. <i>Medical Physics</i> , 2009, 36, 2666-2666.	1.6	0