

# Gianfranco Loi

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

837  
citations

471061

17  
h-index

552369

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1070  
citing authors

#	ARTICLE	IF	CITATIONS
1	Urinary toxicity in patients treated with radical EBRT for prostate cancer: Analysis of predictive factors in an historical series. <i>Bulletin Du Cancer</i> , 2022, , .	0.6	0
2	Implementation of automatic plan optimization in Italy: Status and perspectives. <i>Physica Medica</i> , 2021, 92, 86-94.	0.4	3
3	Computed Tomography to Cone Beam Computed Tomography Deformable Image Registration for Contour Propagation Using Head and Neck, Patient-Based Computational Phantoms: A Multicenter Study. <i>Practical Radiation Oncology</i> , 2020, 10, 125-132.	1.1	11
4	Apoptotic and predictive factors by Bax, Caspases 3/9, Bcl-2, p53 and Ki-67 in prostate cancer after 12 Gy single-dose. <i>Scientific Reports</i> , 2020, 10, 7050.	1.6	31
5	Automatic genetic planning for volumetric modulated arc therapy: A large multi-centre validation for prostate cancer. <i>Radiotherapy and Oncology</i> , 2020, 148, 126-132.	0.3	12
6	Adaptive Strategy for External Beam Radiation Therapy in Prostate Cancer: Management of the Geometrical Uncertainties With Robust Optimization. <i>Practical Radiation Oncology</i> , 2020, 10, e521-e528.	1.1	3
7	Performance of commercially available deformable image registration platforms for contour propagation using patient-based computational phantoms: A multi-institutional study. <i>Medical Physics</i> , 2018, 45, 748-757.	1.6	61
8	Recent Advances in Scintillating Optical Fibre Dosimeters. , 2018, , 253-262.		0
9	Real-time dosimetry with Yb-doped silica optical fibres. <i>Physics in Medicine and Biology</i> , 2017, 62, 4218-4236.	1.6	37
10	Characterization of phenolic pellets for ESR dosimetry in photon beam radiotherapy. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 471-480.	0.6	20
11	Characterization of Yb-doped silica optical fiber as real-time dosimeter. , 2017, , .		0
12	Lung stereotactic ablative body radiotherapy: A large scale multi-institutional planning comparison for interpreting results of multi-institutional studies. <i>Physica Medica</i> , 2016, 32, 600-606.	0.4	54
13	Three-dimensional surface imaging for detection of intra-fraction setup variations during radiotherapy of pelvic tumors. <i>Radiologia Medica</i> , 2016, 121, 805-810.	4.7	9
14	Three-dimensional surface and ultrasound imaging for daily IGRT of prostate cancer. <i>Radiation Oncology</i> , 2016, 11, 159.	1.2	9
15	In Reply to Skrobala and Malicki. <i>Practical Radiation Oncology</i> , 2015, 5, e55.	1.1	0
16	Application of failure mode and effects analysis to intracranial stereotactic radiation surgery by linear accelerator. <i>Practical Radiation Oncology</i> , 2014, 4, 392-397.	1.1	30
17	Influence of reconstruction settings on the performance of adaptive thresholding algorithms for FDG-PET image segmentation in radiotherapy planning. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 115-132.	0.8	11
18	Detection of setup uncertainties with 3D surface registration system for conformal radiotherapy of breast cancer. <i>Reports of Practical Oncology and Radiotherapy</i> , 2011, 16, 77-81.	0.3	25

#	ARTICLE	IF	CITATIONS
19	Influence of different contributions of scatter and attenuation on the threshold values in contrast-based algorithms for volume segmentation. <i>Physica Medica</i> , 2011, 27, 44-51.	0.4	9
20	Radiation Therapy Planning Using SPECT-CT. , 2011, , 203-211.		0
21	Intraoperative Radiotherapy During Radical Prostatectomy for Locally Advanced Prostate Cancer: Technical and Dosimetric Aspects. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1073-1077.	0.4	28
22	Reproducibility of patient setup by surface image registration system in conformal radiotherapy of prostate cancer. <i>Radiation Oncology</i> , 2009, 4, 9.	1.2	55
23	Acceptance Test of a Commercially Available Software for Automatic Image Registration of Computed Tomography (CT), Magnetic Resonance Imaging (MRI) And 99mTc-methoxyisobutylisonitrile (MIBI) Single-Photon Emission Computed Tomography (SPECT) Brain Images. <i>Journal of Digital Imaging</i> , 2008, 21, 329-337.	1.6	6
24	FDG-PET/CT imaging for staging and radiotherapy treatment planning of head and neck carcinoma. <i>Radiation Oncology</i> , 2008, 3, 29.	1.2	80
25	FDG-PET/CT Imaging for Staging and Target Volume Delineation in Preoperative Conformal Radiotherapy of Rectal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 1423-1426.	0.4	88
26	Pulmonary Changes After Radiotherapy for Conservative Treatment of Breast Cancer: A Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 1460-1467.	0.4	74
27	Delineation of Target Volume for Radiotherapy of High-Grade Gliomas by 99mTc-MIBI SPECT and MRI Fusion. <i>Strahlentherapie Und Onkologie</i> , 2007, 183, 689-694.	1.0	17
28	Potential advantage of studying the lymphatic drainage by sentinel node technique and SPECT-CT image fusion for pelvic irradiation of prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 1100-1104.	0.4	48
29	Dosimetry of Gamma Knife and linac-based radiosurgery using radiochromic and diode detectors. <i>Physics in Medicine and Biology</i> , 1999, 44, 887-897.	1.6	56
30	Accuracy evaluation of fusion of CT, MR, and SPECT images using commercially available software packages (SRS PLATO and IFS). <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 43, 227-234.	0.4	42
31	Design and characterization of a dynamic multileaf collimator. <i>Physics in Medicine and Biology</i> , 1998, 43, 3149-3155.	1.6	18