Mauro Iori

List of Publications by Year
in descending order

59 papers	**1,357** citations	394421 **19** h-index	361022 **35** g-index
59 all docs	**59** docs citations	**59** times ranked	**1551** citing authors

#	Article	IF	Citations
1	Inflammatory burden and persistent CT lung abnormalities in COVID-19 patients. Scientific Reports, 2022, 12, 4270.	3.3	5
2	Mortality Prediction of COVID-19 Patients Using Radiomic and Neural Network Features Extracted from a Wide Chest X-ray Sample Size: A Robust Approach for Different Medical Imbalanced Scenarios. Applied Sciences (Switzerland), 2022, 12, 3903.	2.5	9
3	Rehabilitation Interventions for Post-Acute COVID-19 Syndrome: A Systematic Review. International Journal of Environmental Research and Public Health, 2022, 19, 5185.	2.6	95
4	EPID-based 3D dosimetry for pre-treatment FFF VMAT stereotactic body radiotherapy plan verification using dosimetry CheckTM. Physica Medica, 2021, 81, 227-236.	0.7	4
5	Artificial Intelligence and the Medical Physicist: Welcome to the Machine. Applied Sciences (Switzerland), 2021, 11, 1691.	2.5	34
6	How direct measurements on worker eyes with Scheimpflug camera can affect lens dose conversion coefficients in interventional radiology. Journal of Radiological Protection, 2021, 41, .	1.1	1
7	Use of knowledge based DVH predictions to enhance automated re-planning strategies in head and neck adaptive radiotherapy. Physics in Medicine and Biology, 2021, 66, 135004.	3.0	3
8	Variations in Head and Neck Treatment Plan Quality Assessment Among Radiation Oncologists and Medical Physicists in a Single Radiotherapy Department. Frontiers in Oncology, 2021, 11, 706034.	2.8	1
9	Cone beam CT augmented fluoroscopy allows safe and efficient diagnosis of a difficult lung nodule. BMC Pulmonary Medicine, 2021, 21, 327.	2.0	9
10	Enhancing the impact of Artificial Intelligence in Medicine: A joint AIFM-INFN Italian initiative for a dedicated cloud-based computing infrastructure. Physica Medica, 2021, 91, 140-150.	0.7	7
11	Texture analysis and multiple-instance learning for the classification of malignant lymphomas. Computer Methods and Programs in Biomedicine, 2020, 185, 105153.	4.7	24
12	Comparison of different calculation techniques for absorbed dose assessment in patient specific peptide receptor radionuclide therapy. PLoS ONE, 2020, 15, e0236466.	2.5	9
13	DNA damage in lens epithelial cells exposed to occupationally-relevant X-ray doses and role in cataract formation. Scientific Reports, 2020, 10, 21693.	3.3	5
14	Uncertainty analysis of tumour absorbed dose calculations in molecular radiotherapy. EJNMMI Physics, 2020, 7, 63.	2.7	21
15	Analysis of the bias induced by voxel and unstructured mesh Monte Carlo models for the MCNP6 code in orthovoltage applications. Radiation Effects and Defects in Solids, 2019, 174, 365-379.	1.2	3
16	Characterization of GE discovery IGS 740 angiography system by means of channelized Hotelling observer (CHO). Physics in Medicine and Biology, 2019, 64, 095002.	3.0	4
17	Partial volume effect of SPECT images in PRRT with 177Lu labelled somatostatin analogues: A practical solution. Physica Medica, 2019, 57, 153-159.	0.7	14
18	Effect of image registration on 3D absorbed dose calculations in 177 Lu-DOTATOC peptide receptor radionuclide therapy. Physica Medica, 2018, 45, 177-185.	0.7	7

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19	Pareto-optimal plans as ground truth for validation of a commercial system for knowledge-based DVH-prediction. Physica Medica, 2018, 55, 98-106.	0.7	22
20	Radiomic Profiling of Head and Neck Cancer: ^{18}F-FDG PET Texture Analysis as Predictor of Patient Survival. Contrast Media and Molecular Imaging, 2018, 2018, 1-8.	0.8	36
21	Red blood cells metabolome changes upon treatment with different X-ray irradiation doses. Annals of Hematology, 2018, 97, 1909-1917.	1.8	9
22	Diagnostic performances of [18F]fluorocholine positron emission tomography in brain tumors. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2018, 62, 209-219.	0.7	9
23	A Monte Carlo model for photoneutron generation by a medical LINAC. Radiation Physics and Chemistry, 2017, 140, 345-348.	2.8	5
24	Knowledge-based treatment planning: An inter-technique and inter-system feasibility study for prostate cancer. Physica Medica, 2017, 36, 38-45.	0.7	43
25	Abstract ID: 111 Monte Carlo modeling of Orthovoltage treatment fields. Physica Medica, 2017, 42, 47.	0.7	1
26	Skin dose saving of the staff in 90Y/177Lu peptide receptor radionuclide therapy with the automatic dose dispenser. Nuclear Medicine Communications, 2016, 37, 1046-1052.	1.1	5
27	Feasibility of voxel-based Dose Painting for recurrent Glioblastoma guided by ADC values of Diffusion-Weighted MR imaging. Physica Medica, 2016, 32, 1651-1658.	0.7	17
28	Technical Note: Multicenter study of TrueBeam FFF beams with a new stereotactic diode: Can a common small field signal ratio curve be defined?. Medical Physics, 2016, 43, 5570-5576.	3.0	15
29	Monte Carlo benchmark of the experimental evaluation of the activation processes in an electron linear accelerator for radiotherapy applications. Radiation Effects and Defects in Solids, 2016, 171, 808-817.	1.2	2
30	Second Tumor Induction Risk in IMRT for Prostate Cancer. Health Physics, 2015, 109, 549-555.	0.5	1
31	Time Evolution of DOTATOC Uptake in Neuroendocrine Tumors in View of a Possible Application of Radioguided Surgery with $β^−$ Decay. Journal of Nuclear Medicine, 2015, 56, 1501-1506.	5.0	26
32	Quantitative comparison between the commercial software STRATOS®Âby Philips and a homemade software for voxel-dosimetry in radiopeptide therapy. Physica Medica, 2015, 31, 72-79.	0.7	29
33	MODELING GLIOBLASTOMA RESPONSE TO RADIOTHERAPY BY COMBINING A TWO-COMPARTMENT KINETIC MODEL AND MULTIPARAMETRIC NMR DATA. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540017.	0.7	0
34	RIS-PACS, patient safety, and clinical risk management. Radiologia Medica, 2015, 120, 498-503.	7.7	3
35	A Reputation-Based Distributed District Scheduling Algorithm for Smart Grids. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 70-76.	0.3	0
36	Radiation protection procedures in 131I treatments for thyroid cancer in patients requiring hemodialysis. Nuclear Medicine Communications, 2014, 35, 626-630.	1.1	2

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37	Patient Dose Management Solution Directly Integrated in the RIS: â€œGray Detectorâ€•Software. Journal of Digital Imaging, 2014, 27, 786-793.	2.9	5
38	Pre-treatment and in-vivo dosimetry of Helical Tomotherapy treatment plans using the Dosimetry Check system. Journal of Instrumentation, 2014, 9, C04039-C04039.	1.2	4
39	Intraoperative beta- detecting probe for radio-guided surgery of brain tumors. , 2014, , .		0
40	MR Scanner Systems Should Be Adequately Characterized in Diffusion-MRI of the Breast. PLoS ONE, 2014, 9, e86280.	2.5	25
41	Hypofractionated stereotactic radiation therapy for recurrent glioblastoma: single institutional experience. Radiation Oncology, 2013, 8, 222.	2.7	30
42	Efficiency and Effectiveness of an Innovative RIS Function for Patient Information Reconciliation Directly Integrated with PACS. Journal of Digital Imaging, 2013, 26, 412-418.	2.9	6
43	Hypo-fractionated IMRT for patients with newly diagnosed glioblastoma multiforme: A 6 year single institutional experience. Clinical Neurology and Neurosurgery, 2013, 115, 1609-1614.	1.4	16
44	Kidney Dosimetry in ^{177}Lu and ^{90}Y Peptide Receptor Radionuclide Therapy: Influence of Image Timing, Time-Activity Integration Method, and Risk Factors. BioMed Research International, 2013, 2013, 1-12.	1.9	79
45	A comparison of digital radiography systems in terms of effective detective quantum efficiency. Medical Physics, 2012, 39, 2617-2627.	3.0	38
46	COMPARISON OF TWO DIFFERENT TYPES OF LIF:MG,CU,P THERMOLUMINESCENT DOSIMETERS FOR DETECTION OF BETA RAYS (BETA-TLDS) FROM 90SR/90Y, 85KR AND 147PM SOURCES. Health Physics, 2011, 100, 515-522.	0.5	10
47	Personnel exposure in labelling and administration of 177Lu-DOTA-D-Phe1-Tyr3-octreotide. Nuclear Medicine Communications, 2011, 32, 947-953.	1.1	10
48	Increase in clusterin forms part of the stress response in Hodgkin's lymphoma. International Journal of Oncology, 2011, 38, 677-84.	3.3	2
49	Size assessment of breast lesions by means of a computer-aided detection (CAD) system for magnetic resonance mammography. Radiologia Medica, 2011, 116, 1039-1049.	7.7	9
50	Dosimetric verification of IMAT delivery with a conventional EPID system and a commercial portal dose image prediction tool. Medical Physics, 2010, 37, 377-390.	3.0	39
51	The Intensity Modulated Multiple Arc (IMMA) Technique: Forward & Inverse Planned Procedures to Deliver Hypo- Fractionated IMAT Treatments. Current Radiopharmaceuticals, 2009, 2, 149-159.	0.8	4
52	Doseâ€"volume and biological-model based comparison between helical tomotherapy and (inverse-planned) IMAT for prostate tumours. Radiotherapy and Oncology, 2008, 88, 34-45.	0.6	53
53	IMATâ€SIM: A new method for the clinical dosimetry of intensityâ€modulated arc therapy (IMAT). Medical Physics, 2007, 34, 2759-2773.	3.0	17
54	Onâ€line quality assurance of rotational radiotherapy treatment delivery by means of a 2D ion chamber array and the Octavius phantom. Medical Physics, 2007, 34, 3825-3837.	3.0	117

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55	Testing of the analytical anisotropic algorithm for photon dose calculation. Medical Physics, 2006, 33, 4130-4148.	3.0	240
56	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.	0.6	20
57	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.	0.6	135
58	Analysis of a kinetic cellular model for tumor-immune system interaction. Mathematical and Computer Modelling, 1999, 29, 117-129.	2.0	3
59	Dosimetric evaluation of a commercial 3-D treatment planning system using Report 55 by AAPM Task Group 23. Radiotherapy and Oncology, 1999, 52, 69-77.	0.6	15