

Mauro Iori

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6577009/publications.pdf>

Version: 2024-02-01

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	Testing of the analytical anisotropic algorithm for photon dose calculation. <i>Medical Physics</i> , 2006, 33, 4130-4148.	3.0	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. <i>Radiotherapy and Oncology</i> , 2002, 65, 53-70.	0.6	135
3	On-line quality assurance of rotational radiotherapy treatment delivery by means of a 2D ion chamber array and the Octavius phantom. <i>Medical Physics</i> , 2007, 34, 3825-3837.	3.0	117
4	Rehabilitation Interventions for Post-Acute COVID-19 Syndrome: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5185.	2.6	95
5	Kidney Dosimetry in ¹⁷⁷ Lu and ⁹⁰ Y Peptide Receptor Radionuclide Therapy: Influence of Image Timing, Time-Activity Integration Method, and Risk Factors. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	79
6	Dose-volume and biological-model based comparison between helical tomotherapy and (inverse-planned) IMAT for prostate tumours. <i>Radiotherapy and Oncology</i> , 2008, 88, 34-45.	0.6	53
7	Knowledge-based treatment planning: An inter-technique and inter-system feasibility study for prostate cancer. <i>Physica Medica</i> , 2017, 36, 38-45.	0.7	43
8	Dosimetric verification of IMAT delivery with a conventional EPID system and a commercial portal dose image prediction tool. <i>Medical Physics</i> , 2010, 37, 377-390.	3.0	39
9	A comparison of digital radiography systems in terms of effective detective quantum efficiency. <i>Medical Physics</i> , 2012, 39, 2617-2627.	3.0	38
10	Radiomic Profiling of Head and Neck Cancer: ¹⁸ F-FDG PET Texture Analysis as Predictor of Patient Survival. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-8.	0.8	36
11	Artificial Intelligence and the Medical Physicist: Welcome to the Machine. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1691.	2.5	34
12	Hypofractionated stereotactic radiation therapy for recurrent glioblastoma: single institutional experience. <i>Radiation Oncology</i> , 2013, 8, 222.	2.7	30
13	Quantitative comparison between the commercial software STRATOS by Philips and a homemade software for voxel-dosimetry in radiopeptide therapy. <i>Physica Medica</i> , 2015, 31, 72-79.	0.7	29
14	Time Evolution of DOTATOC Uptake in Neuroendocrine Tumors in View of a Possible Application of Radioguided Surgery with ¹²⁵ I Decay. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1501-1506.	5.0	26
15	MR Scanner Systems Should Be Adequately Characterized in Diffusion-MRI of the Breast. <i>PLoS ONE</i> , 2014, 9, e86280.	2.5	25
16	Texture analysis and multiple-instance learning for the classification of malignant lymphomas. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 185, 105153.	4.7	24
17	Pareto-optimal plans as ground truth for validation of a commercial system for knowledge-based DVH-prediction. <i>Physica Medica</i> , 2018, 55, 98-106.	0.7	22
18	Uncertainty analysis of tumour absorbed dose calculations in molecular radiotherapy. <i>EJNMMI Physics</i> , 2020, 7, 63.	2.7	21

#	ARTICLE	IF	CITATIONS
19	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. <i>Radiotherapy and Oncology</i> , 2003, 66, 185-195.	0.6	20
20	IMATâ€sSIM: A new method for the clinical dosimetry of intensityâ€modulated arc therapy (IMAT). <i>Medical Physics</i> , 2007, 34, 2759-2773.	3.0	17
21	Feasibility of voxel-based Dose Painting for recurrent Glioblastoma guided by ADC values of Diffusion-Weighted MR imaging. <i>Physica Medica</i> , 2016, 32, 1651-1658.	0.7	17
22	Hypo-fractionated IMRT for patients with newly diagnosed glioblastoma multiforme: A 6 year single institutional experience. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 1609-1614.	1.4	16
23	Dosimetric evaluation of a commercial 3-D treatment planning system using Report 55 by AAPM Task Group 23. <i>Radiotherapy and Oncology</i> , 1999, 52, 69-77.	0.6	15
24	Technical Note: Multicenter study of TrueBeam FFF beams with a new stereotactic diode: Can a common small field signal ratio curve be defined?. <i>Medical Physics</i> , 2016, 43, 5570-5576.	3.0	15
25	Partial volume effect of SPECT images in PRRT with ¹⁷⁷ Lu labelled somatostatin analogues: A practical solution. <i>Physica Medica</i> , 2019, 57, 153-159.	0.7	14
26	COMPARISON OF TWO DIFFERENT TYPES OF LiF:Mg,Cu,P THERMOLUMINESCENT DOSIMETERS FOR DETECTION OF BETA RAYS (BETA-TLDS) FROM ⁹⁰ Sr/ ⁹⁰ Y, ⁸⁵ Kr AND ¹⁴⁷ Pm SOURCES. <i>Health Physics</i> , 2011, 100, 515-522.	0.5	10
27	Personnel exposure in labelling and administration of ¹⁷⁷ Lu-DOTA-D-Phe1-Tyr3-octreotide. <i>Nuclear Medicine Communications</i> , 2011, 32, 947-953.	1.1	10
28	Size assessment of breast lesions by means of a computer-aided detection (CAD) system for magnetic resonance mammography. <i>Radiologia Medica</i> , 2011, 116, 1039-1049.	7.7	9
29	Red blood cells metabolome changes upon treatment with different X-ray irradiation doses. <i>Annals of Hematology</i> , 2018, 97, 1909-1917.	1.8	9
30	Comparison of different calculation techniques for absorbed dose assessment in patient specific peptide receptor radionuclide therapy. <i>PLoS ONE</i> , 2020, 15, e0236466.	2.5	9
31	Diagnostic performances of [¹⁸ F]fluorocholine positron emission tomography in brain tumors. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 62, 209-219.	0.7	9
32	Cone beam CT augmented fluoroscopy allows safe and efficient diagnosis of a difficult lung nodule. <i>BMC Pulmonary Medicine</i> , 2021, 21, 327.	2.0	9
33	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. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3903.	2.5	9
34	Effect of image registration on 3D absorbed dose calculations in ¹⁷⁷ Lu-DOTATOC peptide receptor radionuclide therapy. <i>Physica Medica</i> , 2018, 45, 177-185.	0.7	7
35	Enhancing the impact of Artificial Intelligence in Medicine: A joint AIFM-INFN Italian initiative for a dedicated cloud-based computing infrastructure. <i>Physica Medica</i> , 2021, 91, 140-150.	0.7	7
36	Efficiency and Effectiveness of an Innovative RIS Function for Patient Information Reconciliation Directly Integrated with PACS. <i>Journal of Digital Imaging</i> , 2013, 26, 412-418.	2.9	6

#	ARTICLE	IF	CITATIONS
37	Patient Dose Management Solution Directly Integrated in the RIS: "Gray Detector" Software. Journal of Digital Imaging, 2014, 27, 786-793.	2.9	5
38	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
39	A Monte Carlo model for photoneutron generation by a medical LINAC. Radiation Physics and Chemistry, 2017, 140, 345-348.	2.8	5
40	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
41	Inflammatory burden and persistent CT lung abnormalities in COVID-19 patients. Scientific Reports, 2022, 12, 4270.	3.3	5
42	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
43	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
44	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
45	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
46	Analysis of a kinetic cellular model for tumor-immune system interaction. Mathematical and Computer Modelling, 1999, 29, 117-129.	2.0	3
47	RIS-PACS, patient safety, and clinical risk management. Radiologia Medica, 2015, 120, 498-503.	7.7	3
48	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
49	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
50	Increase in clusterin forms part of the stress response in Hodgkin's lymphoma. International Journal of Oncology, 2011, 38, 677-84.	3.3	2
51	Radiation protection procedures in 131I treatments for thyroid cancer in patients requiring hemodialysis. Nuclear Medicine Communications, 2014, 35, 626-630.	1.1	2
52	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
53	Second Tumor Induction Risk in IMRT for Prostate Cancer. Health Physics, 2015, 109, 549-555.	0.5	1
54	Abstract ID: 111 Monte Carlo modeling of Orthovoltage treatment fields. Physica Medica, 2017, 42, 47.	0.7	1

#	ARTICLE	IF	CITATIONS
55	How direct measurements on worker eyes with Scheimpflug camera can affect lens dose conversion coefficients in interventional radiology. <i>Journal of Radiological Protection</i> , 2021, 41, .	1.1	1
56	Variations in Head and Neck Treatment Plan Quality Assessment Among Radiation Oncologists and Medical Physicists in a Single Radiotherapy Department. <i>Frontiers in Oncology</i> , 2021, 11, 706034.	2.8	1
57	Intraoperative beta- detecting probe for radio-guided surgery of brain tumors. , 2014, , .		0
58	MODELING GLIOBLASTOMA RESPONSE TO RADIOTHERAPY BY COMBINING A TWO-COMPARTMENT KINETIC MODEL AND MULTIPARAMETRIC NMR DATA. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540017.	0.7	0
59	A Reputation-Based Distributed District Scheduling Algorithm for Smart Grids. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 70-76.	0.3	0