Marco Bertolini

List of Publications by Year
in descending order

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42	949	623188	454577
papers	citations	14	30
		h-index	g-index

43	43	43	934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MR Imaging Findings in 56 Patients with Wernicke Encephalopathy: Nonalcoholics May Differ from Alcoholics. American Journal of Neuroradiology, 2009, 30, 171-176.	1.2	227
2	Wernicke Encephalopathy: MR Findings at Clinical Presentation in Twenty-Six Alcoholic and Nonalcoholic Patients. American Journal of Neuroradiology, 2007, 28, 1328-1331.	1.2	160
3	Comparison of different commercial FFDM units by means of physical characterization and contrast-detail analysis. Medical Physics, 2006, 33, 4198-4209.	1.6	67
4	A Filmless Radiology Department in a Full Digital Regional Hospital: Quantitative Evaluation of the Increased Quality and Efficiency. Journal of Digital Imaging, 2007, 20, 140-148.	1.6	65
5	Free software for performing physical analysis of systems for digital radiography and mammography. Medical Physics, 2014, 41, 051903.	1.6	40
6	A comparison of digital radiography systems in terms of effective detective quantum efficiency. Medical Physics, 2012, 39, 2617-2627.	1.6	38
7	Radiomic Profiling of Head and Neck Cancer: ¹⁸F-FDG PET Texture Analysis as Predictor of Patient Survival. Contrast Media and Molecular Imaging, 2018, 2018, 1-8.	0.4	36
8	Physical and psychophysical characterization of a novel clinical system for digital mammography. Medical Physics, 2009, 36, 5139-5148.	1.6	31
9	A Randomized Trial Comparing Breast Cancer Incidence and Interval Cancers after Tomosynthesis Plus Mammography versus Mammography Alone. Radiology, 2022, 303, 256-266.	3.6	29
10	Contrast-detail analysis of three flat panel detectors for digital radiography. Medical Physics, 2006, 33, 1707-1719.	1.6	25
11	Texture analysis and multiple-instance learning for the classification of malignant lymphomas. Computer Methods and Programs in Biomedicine, 2020, 185, 105153.	2.6	24
12	Comparison of different computed radiography systems: Physical characterization and contrast detail analysis. Medical Physics, 2010, 37, 440-448.	1.6	23
13	Characterization of a clinical unit for digital radiography based on irradiation side sampling technology. Medical Physics, 2013, 40, 101902.	1.6	19
14	CT protocol optimisation in PET/CT: a systematic review. EJNMMI Physics, 2020, 7, 17.	1.3	15
15	Simulation of H _p(10) and effective dose received by the medical staff in interventional radiology procedures. Journal of Radiological Protection, 2019, 39, 809-824.	0.6	14
16	Comparing two visualization protocols for tomosynthesis in screening: specificity and sensitivity of slabs versus planes plus slabs. European Radiology, 2019, 29, 3802-3811.	2.3	14
17	A new clinical unit for digital radiography based on a thick amorphous Selenium plate: Physical and psychophysical characterization. Medical Physics, 2011, 38, 4480-4488.	1.6	13
18	PHYSICAL CHARACTERISATION OF FOUR DIFFERENT COMMERCIAL DIGITAL BREAST TOMOSYNTHESIS SYSTEMS. Radiation Protection Dosimetry, 2018, 181, 277-289.	0.4	11

#	Article	IF	Citations
19	A comparative study of physical image quality in digital and synthetic mammography from commercially available mammography systems. Physics in Medicine and Biology, 2018, 63, 165020.	1.6	11
20	Cone beam CT augmented fluoroscopy allows safe and efficient diagnosis of a difficult lung nodule. BMC Pulmonary Medicine, 2021, 21, 327.	0.8	9
21	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.	1.3	9
22	Application of QC_DR Software for Acceptance Testing and Routine Quality Control of Direct Digital Radiography Systems: Initial Experiences using the Italian Association of Physicist in Medicine Quality Control Protocol. Journal of Digital Imaging, 2009, 22, 656-666.	1.6	8
23	Contrast Detail Phantom Comparison on a Commercially Available Unit. Digital Breast Tomosynthesis (DBT) versus Full-Field Digital Mammography (FFDM). Journal of Digital Imaging, 2011, 24, 58-65.	1.6	6
24	Efficiency and Effectiveness of an Innovative RIS Function for Patient Information Reconciliation Directly Integrated with PACS. Journal of Digital Imaging, 2013, 26, 412-418.	1.6	6
25	Patient Dose Management Solution Directly Integrated in the RIS: â€œGray Detectorâ€•Software. Journal of Digital Imaging, 2014, 27, 786-793.	1.6	5
26	Attenuation assessment of medical protective eyewear: the AVEN experience. Journal of Radiological Protection, 2016, 36, 279-289.	0.6	5
27	DNA damage in lens epithelial cells exposed to occupationally-relevant X-ray doses and role in cataract formation. Scientific Reports, 2020, 10, 21693.	1.6	5
28	Radiation dose reduction and static image quality assessment using a channelized hotelling observer on an angiography system upgraded with clarity IQ. Biomedical Physics and Engineering Express, 2020, 6, 025008.	0.6	5
29	Physical and psychophysical characterization of a GE senographe DS clinical system. , 2007, , .		4
30	Comparison of human observers and CDCOM software reading for CDMAM images. , 2007, , .		4
31	Characterization of GE discovery IGS 740 angiography system by means of channelized Hotelling observer (CHO). Physics in Medicine and Biology, 2019, 64, 095002.	1.6	4
32	Performance evaluation of a direct computed radiography system by means of physical characterization and contrast detail analysis. , 2007, , .		3
33	RIS-PACS, patient safety, and clinical risk management. Radiologia Medica, 2015, 120, 498-503.	4.7	3
34	Digital breast tomosynthesis (DBT) versus full field digital mammography (FFDM): comparison of a system performance using a contrast detail phantom. Proceedings of SPIE, 2009, , .	0.8	2
35	Physical characterization of a novel wireless DRX Plus 3543C using both a carbon nano tube (CNT) mobile x-ray system and a traditional x-ray system. Physics in Medicine and Biology, 2020, 65, 11NT02.	1.6	2
36	CT protocol optimisation in PET/CT: what we learn from a systematic review. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1-2.	3.3	2

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37	OC-0535: Multicenter validation of ion chambers in reference dosimetry of two IORT-dedicated electron linacs. Radiotherapy and Oncology, 2017, 123, S284.	0.3	1
38	CT-guided biopsy of pulmonary nodules; predictive factors for diagnosis: Is there room for more prognostic factors?. Radiologia Medica, 2017, 122, 121-122.	4.7	1
39	How direct measurements on worker eyes with Scheimpflug camera can affect lens dose conversion coefficients in interventional radiology. Journal of Radiological Protection, 2021, 41, .	0.6	1
40	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.	0.3	0
41	EP-1382 Texture analysis of FDG-PET in NSCLC treated with SBRT:a validation study of two prognostic features. Radiotherapy and Oncology, 2019, 133, S754-S755.	0.3	0
42	SU-GG-I-71: Acceptance and Routine Quality Control in Direct Radiography Systems: Initial Experiences with the Italian Association of Physicist in Medicine Protocol. Medical Physics, 2008, 35, 2658-2658.	1.6	0