

# Marçal Salvadó<sup>3</sup> Artells

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

603  
citations

758635

12  
h-index

713013

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative assessment of selective in-plane shielding of tissues in computed tomography through evaluation of absorbed dose and image quality. <i>European Radiology</i> , 2006, 16, 2334-2340.	2.3	111
2	Computed tomography dose assessment for a 160 mm wide, 320 detector row, cone beam CT scanner. <i>Physics in Medicine and Biology</i> , 2009, 54, 3141-3159.	1.6	83
3	Energy and resolution calibration of NaI(Tl) and LaBr <sub>3</sub> (Ce) scintillators and validation of an EGS5 Monte Carlo user code for efficiency calculations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 675, 78-83.	0.7	61
4	Dosimetry of a cone beam CT device for oral and maxillofacial radiology using Monte Carlo techniques and ICRP adult reference computational phantoms. <i>Dentomaxillofacial Radiology</i> , 2013, 42, 92555893.	1.3	56
5	Temperature peak-shift correction methods for NaI(Tl) and LaBr <sub>3</sub> (Ce) gamma-ray spectrum stabilisation. <i>Radiation Measurements</i> , 2012, 47, 588-595.	0.7	52
6	Implementation of gamma-ray spectrometry in two real-time water monitors using NaI(Tl) scintillation detectors. <i>Applied Radiation and Isotopes</i> , 2013, 80, 49-55.	0.7	34
7	Calculation of the ambient dose equivalent H*(10) from gamma-ray spectra obtained with scintillation detectors. <i>Applied Radiation and Isotopes</i> , 2016, 118, 154-159.	0.7	31
8	Radiation Exposure to Patients in a Multicenter Coronary Angiography Trial (CORE 64). <i>American Journal of Roentgenology</i> , 2011, 196, 1126-1132.	1.0	30
9	Monte Carlo calculation of radiation dose in CT examinations using phantom and patient tomographic models. <i>Radiation Protection Dosimetry</i> , 2005, 114, 364-368.	0.4	25
10	Development and calibration of a real-time airborne radioactivity monitor using direct gamma-ray spectrometry with two scintillation detectors. <i>Applied Radiation and Isotopes</i> , 2014, 89, 102-108.	0.7	23
11	Validation of a Monte Carlo simulation for dose assessment in dental cone beam CT examinations. <i>Physica Medica</i> , 2012, 28, 200-209.	0.4	22
12	Performance of data acceptance criteria over 50 months from an automatic real-time environmental radiation surveillance network. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 742-748.	0.9	15
13	SimDoseCT: dose reporting software based on Monte Carlo simulation for a 320 detector-row cone-beam CT scanner and ICRP computational adult phantoms. <i>Physics in Medicine and Biology</i> , 2017, 62, 6304-6321.	1.6	11
14	Development and Calibration of a Real-Time Airborne Radioactivity Monitor Using Gamma-Ray Spectrometry on a Particulate Filter. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 727-731.	1.2	10
15	Perfusion CT of the Brain and Liver and of Lung Tumors: Use of Monte Carlo Simulation for Patient Dose Estimation for Examinations With a Cone-Beam 320-MDCT Scanner. <i>American Journal of Roentgenology</i> , 2016, 206, 129-135.	1.0	10
16	Monte Carlo simulation of the dose distribution of ICRP adult reference computational phantoms for acquisitions with a 320 detector-row cone-beam CT scanner. <i>Physica Medica</i> , 2015, 31, 452-462.	0.4	7
17	A Monte Carlo simulation for the estimation of patient dose in rest and stress cardiac computed tomography with a 320-detector row CT scanner. <i>Physica Medica</i> , 2015, 31, 1029-1034.	0.4	5
18	Calibration and performance of a real-time gamma-ray spectrometry water monitor using a LaBr <sub>3</sub> (Ce) detector. <i>Radiation Physics and Chemistry</i> , 2018, 144, 444-450.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Set up of a gamma spectrometry mobile unit equipped with LaBr <sub>3</sub> (Ce) detectors for radioactivity monitoring. Radiation Physics and Chemistry, 2020, 168, 108600.	1.4	4
20	Spectral windows analysis method for monitoring anthropogenic radionuclides in real-time environmental gamma-ray scintillation spectrometry. Journal of Radiological Protection, 2018, 38, 229-246.	0.6	3
21	Objective assessment of low contrast detectability for real CT phantom and in simulated images using a model observer. , 2011, , .		2
22	Development and calibration of a real-time airborne radioactivity monitor using gamma-ray spectrometry on a particulate filter. , 2012, , .		1