

# Eduardo Guibelalde del Castillo

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

414  
citations

933447

10  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural similarity index family for image quality assessment in radiological images. Journal of Medical Imaging, 2017, 4, 035501.	1.5	97
2	Influence of patient thickness and operation modes on occupational and patient radiation doses in interventional cardiology. Radiation Protection Dosimetry, 2006, 118, 325-330.	0.8	67
3	Coupled wave analysis for out-of-phase mixed thick hologram gratings. Optical and Quantum Electronics, 1984, 16, 173-178.	3.3	38
4	Real-Time Measurement and Audit of Radiation Dose to Patients Undergoing Computed Radiography. Radiology, 2002, 225, 283-288.	7.3	29
5	Practical aspects for the evaluation of skin doses in interventional cardiology using a new slow film. British Journal of Radiology, 2003, 76, 332-336.	2.2	27
6	Evaluation of risk of deterministic effects in fluoroscopically guided procedures. Radiation Protection Dosimetry, 2005, 117, 190-194.	0.8	22
7	Physical image quality comparison of four types of digital detector for chest radiology. Radiation Protection Dosimetry, 2008, 129, 140-143.	0.8	16
8	Eye lens dose correlations with personal dose equivalent and patient exposure in paediatric interventional cardiology performed with a fluoroscopic biplane system. Physica Medica, 2017, 36, 81-90.	0.7	15
9	Denoising of PET images by context modelling using local neighbourhood correlation. Physics in Medicine and Biology, 2017, 62, 633-651.	3.0	14
10	Patient dosimetry and image quality in digital radiology from online audit of the X-ray system. Radiation Protection Dosimetry, 2005, 117, 199-203.	0.8	12
11	Occupational doses to the eye lens in pediatric and adult noncardiac interventional radiology procedures. Medical Physics, 2021, 48, 1956-1966.	3.0	10
12	Local diagnostic reference levels for paediatric non-cardiac interventional radiology procedures. Physica Medica, 2020, 72, 1-6.	0.7	9
13	Optimization of variable temporal averaging in digital fluoroscopy. British Journal of Radiology, 2004, 77, 675-678.	2.2	8
14	Use of the cross-correlation component of the multiscale structural similarity metric ( $R^*$ metric) for the evaluation of medical images. Medical Physics, 2011, 38, 4512-4517.	3.0	8
15	Segmentation improvement through denoising of PET images with 3D-context modelling in wavelet domain. Physica Medica, 2018, 53, 62-71.	0.7	7
16	Spanish experience in education and training in radiation protection in medicine. Radiation Protection Dosimetry, 2011, 147, 338-342.	0.8	6
17	A CDMAM Image Phantom Software Improvement for Human Observer Assessment. Lecture Notes in Computer Science, 2008, , 181-187.	1.3	6
18	Influence of x-ray pulse parameters on the image quality for moving objects in digital cardiac imaging. Medical Physics, 2004, 31, 2819-2825.	3.0	5

#	ARTICLE	IF	CITATIONS
19	Assessment of ion recombination correction and polarity effects for specific ionization chambers in flattening-filter-free photon beams. <i>Physica Medica</i> , 2019, 67, 176-184.	0.7	5
20	Coupled wave analysis for a reflection dephased mixed hologram grating. <i>Optical and Quantum Electronics</i> , 1986, 18, 213-217.	3.3	3
21	Suitability of resin-coated photographic paper for skin dose measurement during fluoroscopically-guided X-ray procedures. <i>British Journal of Radiology</i> , 2004, 77, 871-875.	2.2	3
22	Automatic scoring of CDMAM using a model of the recognition threshold of the human visual system: R*. , 2009, , .		3
23	A coupled wave analysis for on-axis holographic lenses in generalized coordinates. <i>Optics Communications</i> , 1986, 59, 331-334.	2.1	1
24	A software tool to measure the geometric distortion in x-ray image systems. , 2010, , .		1
25	Dose accuracy improvement on head and neck VMAT treatments by using the Acuros algorithm and accurate FFF beam calibration. <i>Reports of Practical Oncology and Radiotherapy</i> , 2021, 26, 73-85.	0.6	1
26	ASSESSMENT OF OCCUPATIONAL EXPOSURE IN THE MAIN PAEDIATRIC INTERVENTIONAL RADIOLOGY PROCEDURES. <i>Radiation Protection Dosimetry</i> , 2022, 198, 386-392.	0.8	1
27	Holographic gratings in the transition regime. <i>Optics and Laser Technology</i> , 1988, 20, 156-160.	4.6	0
28	Quantification of motion unsharpness in digital fluoroscopy. <i>Radiation Protection Dosimetry</i> , 2005, 117, 304-308.	0.8	0
29	A software tool to compare contrast-detail detection in uniform and in real mammographic backgrounds. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
30	Easy blur estimation in PET images including motion corrupted edges. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 025001.	1.2	0
31	Dosimetric impact of failing to apply correction factors to ion recombination in percentage depth dose measurements and the volume-averaging effect in flattening filter-free beams. <i>Physica Medica</i> , 2020, 77, 176-180.	0.7	0
32	Influence of Geometrical Factors on Phase Contrast Fiber Images. <i>Lecture Notes in Computer Science</i> , 2010, , 334-341.	1.3	0