

# Rosa Brancaccio

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

625  
citations

759233

12  
h-index

610901

24  
g-index

51  
all docs

51  
docs citations

51  
times ranked

687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of X-ray Computed Tomography to Cultural Heritage diagnostics. Applied Physics A: Materials Science and Processing, 2010, 100, 653-661.	2.3	109
2	An SVM classifier to separate false signals from microcalcifications in digital mammograms. Physics in Medicine and Biology, 2001, 46, 1651-1663.	3.0	84
3	Imaging study of Raffaello's "La Muta" by a portable XRF spectrometer. Microchemical Journal, 2016, 126, 63-69.	4.5	51
4	X-ray tomography of large wooden artworks: the case study of "Doppio corpo" by Pietro Piffetti. Heritage Science, 2014, 2, .	2.3	38
5	Skeletal evidence of tuberculosis in a modern identified human skeletal collection (Certosa cemetery, Tj ETQq1 1 0,784314 rgBT /Over	2.1	35
6	Real-Time Reconstruction for 3-D CT Applied to Large Objects of Cultural Heritage. IEEE Transactions on Nuclear Science, 2011, 58, 1864-1871.	2.0	29
7	X-Ray Computed Tomography In Situ: An Opportunity for Museums and Restoration Laboratories. Heritage, 2019, 2, 2028-2038.	1.9	28
8	CT investigation of two paintings on wood tables by Gentile da Fabriano. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 735-738.	1.6	26
9	Detectors and Cultural Heritage: The INFN-CHNet Experience. Applied Sciences (Switzerland), 2021, 11, 3462.	2.5	26
10	Computed tomography of a medium size Roman bronze statue of Cupid. Applied Physics A: Materials Science and Processing, 2015, 118, 1161-1169.	2.3	21
11	Advanced imaging systems for diagnostic investigations applied to Cultural Heritage. Journal of Physics: Conference Series, 2014, 566, 012022.	0.4	16
12	"Ecce Homo" by Antonello da Messina, from non-invasive investigations to data fusion and dissemination. Scientific Reports, 2021, 11, 15868.	3.3	15
13	SYSTEM FOR AUTOMATIC DETECTION OF CLUSTERED MICROCALCIFICATIONS IN DIGITAL MAMMOGRAMS. International Journal of Modern Physics C, 2000, 11, 901-912.	1.7	13
14	Results of the Italian neu_ART project. IOP Conference Series: Materials Science and Engineering, 2012, 37, 012007.	0.6	13
15	An Innovative CCD-Based High-Resolution CT System for Analysis of Trabecular Bone Tissue. IEEE Transactions on Nuclear Science, 2006, 53, 2584-2590.	2.0	10
16	A new linear array detector for high resolution and low dose digital radiography. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 227-230.	1.4	7
17	Image Quality and Dose Assessment in Inner Ear Computed Tomography Imaging With a Flat Panel-Based System. Journal of Computer Assisted Tomography, 2015, 39, 232-239.	0.9	7
18	X-Ray Computed Tomography Applied to Objects of Cultural Heritage: Porting and Testing the Filtered Back-Projection Reconstruction Algorithm on Low Power Systems-on-Chip. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
19	Monte Carlo optimization of an industrial tomography system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 771-773.	1.6	6
20	CT imaging of the internal human ear: Test of a high resolution scanner. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S60-S64.	1.6	6
21	Characterization of a neutron imaging setup at the INES facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 726, 31-36.	1.6	6
22	Dental status and 3D reconstruction of the malocclusion of the famous singer Farinelli (1705-1782). International Journal of Paleopathology, 2014, 7, 64-69.	1.4	6
23	A new digital radiography system for paintings on canvas and on wooden panels of large dimensions. , 2017, , .		6
24	Inside the construction techniques of the Master globe-maker Vincenzo Coronelli. Microchemical Journal, 2020, 158, 105203.	4.5	6
25	Study and development of an innovative electron beam imaging system for dosimetry in IORT (Intra Tj ETQq1 1 0.784314 rgBT /Over Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 562, 1020-1023.	1.6	5
26	Dosimetry of High Intensity Electron Beams Produced by Dedicated Accelerators in Intra-Operative Radiation Therapy (IORT). IEEE Transactions on Nuclear Science, 2009, 56, 66-72.	2.0	5
27	Real-Time System for Dosimetry in IORT (Intra Operative Radiation Therapy). IEEE Transactions on Nuclear Science, 2006, 53, 2844-2848.	2.0	4
28	Effective dynamic range measurement for a CCD in full-field industrial x-ray imaging applications. , 2007, , .		4
29	Intra-Operative Radiotherapy with Electron Beam. , 2012, , .		4
30	Preliminary results of a new approach for three-dimensional reconstruction of Dynamic AngioThermography (DATG) images based on the inversion of heat equation. Physica Medica, 2016, 32, 1052-1064.	0.7	4
31	A multi-technique tomography-based approach for non-invasive characterization of additive manufacturing components in view of vacuum/UHV applications: preliminary results. Rendiconti Lincei, 2021, 32, 463-477.	2.2	4
32	Study of an Appropriate Reconstruction Algorithm for an Innovative Electron Beam Imaging System for Dosimetry in IORT (Intra Operative Radiation Therapy). , 0, , .		3
33	X-ray 3D computed tomography of large objects: investigation of an ancient globe created by Vincenzo Coronelli. Proceedings of SPIE, 2007, , .	0.8	3
34	Calorimetric approach for 3D dosimetry of high intensity therapeutic electron beams. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 24-29.	0.4	3
35	From closed testaments to books: Virtual X-ray Reading as an alternate digitization technology for fragile documents. Archiving: Final Program and Proceedings IS & T's Archiving Conference, 2017, 14, 14-18.	0.2	3
36	X-ray Tomography Unveils the Construction Technique of Un-Montuâ€™s Egyptian Coffin (Early 26th) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	3

#	ARTICLE	IF	CITATIONS
37	Dosimetric Study of Therapeutic Beams Using a Homogeneous Scintillating Fiber Layer. IEEE Transactions on Nuclear Science, 2013, 60, 109-114.	2.0	2
38	A mobile computed tomography system for on-site cultural heritage analysis. , 2017, , .		2
39	High resolution determination of the spatial distribution of radioisotopes with a digital intensified detector. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 300-304.	1.4	1
40	Study and realization of real-time in-depth dosimetry system for IORT (intra operative radiation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.8	1
41	Dosimetry of high intensity electron beams produced with dedicated accelerators in Intra-Operative Radiation Therapy (IORT). , 2007, , .		1
42	NEW X-RAY DIGITAL RADIOGRAPHY AND COMPUTED TOMOGRAPHY FOR CULTURAL HERITAGE. , 2010, , .		1
43	A new way to enrich museum experience through X-ray tomography the diagnostic study of a wax anatomical model of the 18th century made by Anna Morandi Manzolini. , 2015, , .		1
44	An electron beam imaging system for quality assurance in IORT. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 616-620.	1.4	0
45	Study and Development of Two Innovative Electron Beam Imaging Systems for Dosimetry in IORT (Intra) Tj ETQq1 1 0.784314 rgBT /C	0.8	0
46	High resolution X-ray analysis of a proximal human femur with synchrotron radiation and an innovative linear detector. , 0, , .		0
47	A CCD-based high resolution CT system for analysis of trabecular bone tissue. , 0, , .		0
48	3D dosimetry of high intensity therapeutic electron beams. , 2008, , .		0
49	High-Energy Computer Tomography Measurements in a Museum and Analysis of the Radioprotection Problem. Nuclear Technology, 2009, 168, 231-234.	1.2	0
50	X-ray computed tomography: a powerful diagnostic technique for art and cultural heritage. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C197-C197.	0.3	0
51	The study of ancient archaeological finds through X-ray tomography: the case of the "Tintinnabulum" from the Museum of Anthropology and Ethnography of Torino. Journal of Physics: Conference Series, 2022, 2204, 012034.	0.4	0