

Rosa Brancaccio

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

625
citations

759233

12
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610901

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all docs

51
docs citations

51
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Tomography Unveils the Construction Technique of Un-Montu's Egyptian Coffin (Early 26th Tj ETQq1 1 0,784314 rgBT /Overl	3.0	35
2	The study of ancient archaeological finds through X-ray tomography: the case of the "Tinnabulum" from the Museum of Anthropology and Ethnography of Torino. Journal of Physics: Conference Series, 2022, 2204, 012034.	0.4	0
3	Detectors and Cultural Heritage: The INFN-CHNet Experience. Applied Sciences (Switzerland), 2021, 11, 3462.	2.5	26
4	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
5	"Ecce Homo" by Antonello da Messina, from non-invasive investigations to data fusion and dissemination. Scientific Reports, 2021, 11, 15868.	3.3	15
6	Inside the construction techniques of the Master globe-maker Vincenzo Coronelli. Microchemical Journal, 2020, 158, 105203.	4.5	6
7	X-Ray Computed Tomography In Situ: An Opportunity for Museums and Restoration Laboratories. Heritage, 2019, 2, 2028-2038.	1.9	28
8	A mobile computed tomography system for on-site cultural heritage analysis. , 2017, , .		2
9	A new digital radiography system for paintings on canvas and on wooden panels of large dimensions. , 2017, , .		6
10	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
11	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
12	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
13	Imaging study of Raffaello's "La Muta" by a portable XRF spectrometer. Microchemical Journal, 2016, 126, 63-69.	4.5	51
14	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
15	Skeletal evidence of tuberculosis in a modern identified human skeletal collection (Certosa cemetery,) Tj ETQq1 1 0,784314 rgBT /Overl	2.1	35
16	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
17	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
18	X-ray tomography of large wooden artworks: the case study of "Doppio corpo" by Pietro Piffetti. Heritage Science, 2014, 2, .	2.3	38

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19	Dental status and 3D reconstruction of the malocclusion of the famous singer Farinelli (1705â€“1782). International Journal of Paleopathology, 2014, 7, 64-69.	1.4	6
20	Advanced imaging systems for diagnostic investigations applied to Cultural Heritage. Journal of Physics: Conference Series, 2014, 566, 012022.	0.4	16
21	Dosimetric Study of Therapeutic Beams Using a Homogeneous Scintillating Fiber Layer. IEEE Transactions on Nuclear Science, 2013, 60, 109-114.	2.0	2
22	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
23	Results of the Italian neu_ART project. IOP Conference Series: Materials Science and Engineering, 2012, 37, 012007.	0.6	13
24	Intra-Operative Radiotherapy with Electron Beam. , 2012, , .		4
25	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
26	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
27	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
28	NEW X-RAY DIGITAL RADIOGRAPHY AND COMPUTED TOMOGRAPHY FOR CULTURAL HERITAGE. , 2010, , .		1
29	Application of X-ray Computed Tomography to Cultural Heritage diagnostics. Applied Physics A: Materials Science and Processing, 2010, 100, 653-661.	2.3	109
30	Calorimetric approach for 3D dosimetry of high intensity therapeutic electron beams. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 24-29.	0.4	3
31	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
32	High-Energy Computer Tomography Measurements in a Museum and Analysis of the Radioprotection Problem. Nuclear Technology, 2009, 168, 231-234.	1.2	0
33	3D dosimetry of high intensity therapeutic electron beams. , 2008, , .		0
34	Study and realization of real-time in-depth dosimetry system for IORT (intra operative radiation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.8	1
35	Effective dynamic range measurement for a CCD in full-field industrial x-ray imaging applications. , 2007, , .		4
36	X-ray 3D computed tomography of large objects: investigation of an ancient globe created by Vincenzo Coronelli. Proceedings of SPIE, 2007, , .	0.8	3

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37	Dosimetry of high intensity electron beams produced with dedicated accelerators in Intra-Operative Radiation Therapy (IORT). , 2007, , .		1
38	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
39	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
40	Real-Time System for Dosimetry in IORT (Intra Operative Radiation Therapy). IEEE Transactions on Nuclear Science, 2006, 53, 2844-2848.	2.0	4
41	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
42	Study and development of an innovative electron beam imaging system for dosimetry in IORT (Intra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf s Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 562, 1020-1023.	1.6	5
43	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
44	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
45	An electron beam imaging system for quality assurance in IORT. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 616-620.	1.4	0
46	An SVM classifier to separate false signals from microcalcifications in digital mammograms. Physics in Medicine and Biology, 2001, 46, 1651-1663.	3.0	84
47	SYSTEM FOR AUTOMATIC DETECTION OF CLUSTERED MICROCALCIFICATIONS IN DIGITAL MAMMOGRAMS. International Journal of Modern Physics C, 2000, 11, 901-912.	1.7	13
48	Study of an Appropriate Reconstruction Algorithm for an Innovative Electron Beam Imaging System for Dosimetry in IORT (Intra Operative Radiation Therapy). , 0, , .		3
49	Study and Development of Two Innovative Electron Beam Imaging Systems for Dosimetry in IORT (Intra) Tj ETQq1 1 0.784314 rgBT /0		
50	High resolution X-ray analysis of a proximal human femur with synchrotron radiation and an innovative linear detector. , 0, , .		0
51	A CCD-based high resolution CT system for analysis of trabecular bone tissue. , 0, , .		0