

Fulvio BillÃ

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

484
citations

1040056

9
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond pulse shaping using a seeded free-electron laser. <i>Nature</i> , 2020, 578, 386-391.	27.8	116
2	SYRMEP Tomo Project: a graphical user interface for customizing CT reconstruction workflows. <i>Advanced Structural and Chemical Imaging</i> , 2017, 3, 4.	4.0	111
3	Medical applications of synchrotron radiation at the SYRMEP beamline of ELETTRA. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 548, 221-227.	1.6	81
4	Contribution of Ribonucleic Acid (RNA) to the Fourier Transform Infrared (FTIR) Spectrum of Eukaryotic Cells. <i>Analytical Chemistry</i> , 2016, 88, 12090-12098.	6.5	51
5	Soft X-ray Microscopy Techniques for Medical and Biological Imaging at TwinMicâ€™Elettra. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7216.	2.5	20
6	Femtosecond covariance spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5383-5386.	7.1	17
7	Compressive Sensing for Dynamic XRF Scanning. <i>Scientific Reports</i> , 2020, 10, 9990.	3.3	16
8	A new large solid angle multi-element silicon drift detector system for low energy X-ray fluorescence spectroscopy. <i>Journal of Instrumentation</i> , 2018, 13, C03032-C03032.	1.2	14
9	Megapixel scanning transmission soft X-ray microscopy imaging coupled with compressive sensing X-ray fluorescence for fast investigation of large biological tissues. <i>Analyst, The</i> , 2021, 146, 5836-5842.	3.5	10
10	X-ray fluorescence microscopy artefacts in elemental maps of topologically complex samples: Analytical observations, simulation and a map correction method. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 122, 23-30.	2.9	9
11	A Parameter Refinement Method for Ptychography Based on Deep Learning Concepts. <i>Condensed Matter</i> , 2021, 6, 36.	1.8	7
12	About a method for compressing x-ray computed microtomography data. <i>Measurement Science and Technology</i> , 2018, 29, 044002.	2.6	6
13	Monitoring dynamic electrochemical processes with in situ ptychography. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 627-636.	3.1	5
14	Refining scan positions in Ptychography through error minimisation and potential application of Machine Learning. <i>Journal of Instrumentation</i> , 2018, 13, C06002-C06002.	1.2	4
15	A novel approach to the control of experimental environments: the ESCA microscopy data-acquisition system at ELETTRA. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 587-589.	2.4	3
16	Improving a Rapid Alignment Method of Tomography Projections by a Parallel Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7598.	2.5	3
17	System for controlling the variable-angle spherical-grating monochromators at Elettra. , 1997, 3150, 76.		2
18	Using WWW technology in a control system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 389, 114-116.	1.6	2

#	ARTICLE	IF	CITATIONS
19	A New Device for Bimorph Mirrors Technology: the A1902BS Bipolar Power Supply System. AIP Conference Proceedings, 2007, , .	0.4	2
20	Automated nonlinear alignment of XRF spectra. X-Ray Spectrometry, 2017, 46, 44-48.	1.4	2
21	XRF topography information: Simulations and data from a novel silicon drift detector system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 80-81.	1.6	2
22	Large solid angle and high detection efficiency multi-element silicon drift detectors (SDD) for synchrotron based x-ray spectroscopy. AIP Conference Proceedings, 2019, , .	0.4	1
23	YASB A development tool for intelligent multiplatform distributed control systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 389, 110-113.	1.6	0