# Fulvio BillÃ¨

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 23<br>papers | 484<br>citations | 1040056<br>9<br>h-index | 752698<br>20<br>g-index |
| 24<br>all docs | 24<br>docs citations | 24<br>times ranked | 851<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Megapixel scanning transmission soft X-ray microscopy imaging coupled with compressive sensing X-ray fluorescence for fast investigation of large biological tissues. Analyst, The, 2021, 146, 5836-5842. | 3.5 | 10 |
| 2 | Improving a Rapid Alignment Method of Tomography Projections by a Parallel Approach. Applied Sciences (Switzerland), 2021, 11, 7598. | 2.5 | 3 |
| 3 | Soft X-ray Microscopy Techniques for Medical and Biological Imaging at TwinMicâ€"Elettra. Applied Sciences (Switzerland), 2021, 11, 7216. | 2.5 | 20 |
| 4 | A Parameter Refinement Method for Ptychography Based on Deep Learning Concepts. Condensed Matter, 2021, 6, 36. | 1.8 | 7 |
| 5 | Compressive Sensing for Dynamic XRF Scanning. Scientific Reports, 2020, 10, 9990. | 3.3 | 16 |
| 6 | Attosecond pulse shaping using a seeded free-electron laser. Nature, 2020, 578, 386-391. | 27.8 | 116 |
| 7 | 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 |
| 8 | Femtosecond covariance spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5383-5386. | 7.1 | 17 |
| 9 | 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 |
| 10 | About a method for compressing x-ray computed microtomography data. Measurement Science and Technology, 2018, 29, 044002. | 2.6 | 6 |
| 11 | A new large solid angle multi-element silicon drift detector system for low energy X-ray fluorescence spectroscopy. Journal of Instrumentation, 2018, 13, C03032-C03032. | 1.2 | 14 |
| 12 | Monitoring dynamic electrochemical processes with in situ ptychography. Applied Nanoscience (Switzerland), 2018, 8, 627-636. | 3.1 | 5 |
| 13 | Refining scan positions in Ptychography through error minimisation and potential application of Machine Learning. Journal of Instrumentation, 2018, 13, C06002-C06002. | 1.2 | 4 |
| 14 | SYRMEP Tomo Project: a graphical user interface for customizing CT reconstruction workflows. Advanced Structural and Chemical Imaging, 2017, 3, 4. | 4.0 | 111 |
| 15 | Automated nonlinear alignment of XRF spectra. X-Ray Spectrometry, 2017, 46, 44-48. | 1.4 | 2 |
| 16 | X-ray fluorescence microscopy artefacts in elemental maps of topologically complex samples: Analytical observations, simulation and a map correction method. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 122, 23-30. | 2.9 | 9 |
| 17 | Contribution of Ribonucleic Acid (RNA) to the Fourier Transform Infrared (FTIR) Spectrum of Eukaryotic Cells. Analytical Chemistry, 2016, 88, 12090-12098. | 6.5 | 51 |
| 18 | A New Device for Bimorph Mirrors Technology: the A1902BS Bipolar Power Supply System. AIP Conference Proceedings, 2007, , . | 0.4 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Medical applications of synchrotron radiation at the SYRMEP beamline of ELETTRA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 221-227. | 1.6 | 81 |
| 20 | A novel approach to the control of experimental environments: the ESCA microscopy data-acquisition system at ELETTRA. Journal of Synchrotron Radiation, 1998, 5, 587-589. | 2.4 | 3 |
| 21 | System for controlling the variable-angle spherical-grating monochromators at Elettra. , 1997, 3150, 76. | | 2 |
| 22 | 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 |
| 23 | Using WWW technology in a control system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 389, 114-116. | 1.6 | 2 |