Francesco Stellato

List of Publications by Year
in descending order

44 papers	4,294 citations	304368 22 h-index	264894 42 g-index
44 all docs	44 docs citations	44 times ranked	4059 citing authors

#	Article	IF	Citations
1	ARIAâ€”A VUV Beamline for EuPRAXIA@SPARC_LAB. Condensed Matter, 2022, 7, 11.	0.8	5
2	Is styrene competitive for dopamine receptor binding?. Biomolecular Concepts, 2022, 13, 200-206.	1.0	0
3	Plasma-Generated X-ray Pulses: Betatron Radiation Opportunities at EuPRAXIA@SPARC_LAB. Condensed Matter, 2022, 7, 23.	0.8	5
4	Modelling Protein Plasticity: The Example of Frataxin and Its Variants. Molecules, 2022, 27, 1955.	1.7	2
5	Cu(II)â€"Glycerolâ€"<i>N</i>-Ethylmorpholine Complex Stability Revealed by X-ray Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 1483-1492.	1.5	3
6	Znâ€Induced Interactions Between SARSâ€CoVâ€2 orf7a and BST2/Tetherin. ChemistryOpen, 2021, 10, 1133-1141.	0.9	11
7	SARS-CoV-2 Virion Stabilization by Zn Binding. Frontiers in Molecular Biosciences, 2020, 7, 222.	1.6	14
8	Dealing with Cu reduction in X-ray absorption spectroscopy experiments. Metallomics, 2019, 11, 1401-1410.	1.0	11
9	The Potential of EuPRAXIA@SPARC_LAB for Radiation Based Techniques. Condensed Matter, 2019, 4, 30.	0.8	12
10	X-Ray Absorption Spectroscopy Measurements of Cu-ProIAPP Complexes at Physiological Concentrations. Condensed Matter, 2019, 4, 13.	0.8	6
11	Design study of a photon beamline for a soft X-ray FEL driven by high gradient acceleration at EuPRAXIA@SPARC_LAB. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 294-297.	0.7	3
12	Multi-scale theoretical approach to X-ray absorption spectra in disordered systems: an application to the study of Zn(ii) in water. Physical Chemistry Chemical Physics, 2018, 20, 24775-24782.	1.3	10
13	Atomic structure of granulin determined from native nanocrystalline granulovirus using an X-ray free-electron laser. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2247-2252.	3.3	65
14	Flowâ€aligned, singleâ€shot fiber diffraction using a femtosecond Xâ€ray freeâ€electron laser. Cytoskeleton, 2017, 74, 472-481.	1.0	12
15	Open data set of live cyanobacterial cells imaged using an X-ray laser. Scientific Data, 2016, 3, 160058.	2.4	7
16	A data set from flash X-ray imaging of carboxysomes. Scientific Data, 2016, 3, 160061.	2.4	11
17	<i>In cellulo</i>serial crystallography of alcohol oxidase crystals inside yeast cells. IUCrJ, 2016, 3, 88-95.	1.0	23
18	Cu(II)â€"Zn(II) Cross-Modulation in Amyloidâ€"Beta Peptide Binding: An X-ray Absorption Spectroscopy Study. Journal of Physical Chemistry B, 2015, 119, 15813-15820.	1.2	16

#	Article	IF	Citations
19	Imaging single cells in a beam of live cyanobacteria with an X-ray laser. Nature Communications, 2015, 6, 5704.	5.8	156
20	Expression, purification and crystallization of CTB-MPR, a candidate mucosal vaccine component against HIV-1. IUCrJ, 2014, 1, 305-317.	1.0	6
21	Conformation sequence recovery of a non-periodic object from a diffraction-before-destruction experiment. Optics Express, 2014, 22, 8085.	1.7	11
22	Explosion dynamics of sucrose nanospheres monitored by time of flight spectrometry and coherent diffractive imaging at the split-and-delay beam line of the FLASH soft X-ray laser. Optics Express, 2014, 22, 28914.	1.7	13
23	Copperâ€“zinc cross-modulation in prion protein binding. European Biophysics Journal, 2014, 43, 631-642.	1.2	15
24	High-throughput imaging of heterogeneous cell organelles with an X-ray laser. Nature Photonics, 2014, 8, 943-949.	15.6	156
25	Visualizing a protein quake with time-resolved X-ray scattering at a free-electron laser. Nature Methods, 2014, 11, 923-926.	9.0	173
26	Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. Nature, 2014, 513, 261-265.	13.7	403
27	Serial crystallography on<i>in vivo</i>grown microcrystals using synchrotron radiation. IUCrJ, 2014, 1, 87-94.	1.0	204
28	Room-temperature macromolecular serial crystallography using synchrotron radiation. IUCrJ, 2014, 1, 204-212.	1.0	221
29	Natively Inhibited <i>Trypanosoma brucei</i> Cathepsin B Structure Determined by Using an X-ray Laser. Science, 2013, 339, 227-230.	6.0	393
30	Crystallographic data processing for free-electron laser sources. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 1231-1240.	2.5	122
31	Femtosecond free-electron laser x-ray diffraction data sets for algorithm development. Optics Express, 2012, 20, 4149.	1.7	56
32	Time-resolved protein nanocrystallography using an X-ray free-electron laser. Optics Express, 2012, 20, 2706.	1.7	219
33	Zn induced structural aggregation patterns of Î²-amyloid peptides by first-principle simulations and XAS measurements. Metallomics, 2012, 4, 156-165.	1.0	33
34	Lipidic phase membrane protein serial femtosecond crystallography. Nature Methods, 2012, 9, 263-265.	9.0	135
35	Self-terminating diffraction gates femtosecond X-ray nanocrystallography measurements. Nature Photonics, 2012, 6, 35-40.	15.6	292
36	In vivo protein crystallization opens new routes in structural biology. Nature Methods, 2012, 9, 259-262.	9.0	193

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37	High-Resolution Protein Structure Determination by Serial Femtosecond Crystallography. Science, 2012, 337, 362-364.	6.0	758
38	Radiation damage in protein serial femtosecond crystallography using an x-ray free-electron laser. Physical Review B, 2011, 84, 214111.	1.1	156
39	Zinc modulates copper coordination mode in prion protein octa-repeat subdomains. European Biophysics Journal, 2011, 40, 1259-1270.	1.2	36
40	Identifying the structure of the active sites of human recombinant prolidase. European Biophysics Journal, 2010, 39, 935-945.	1.2	30
41	An XAS study of the sulfur environment in human neuromelanin and its synthetic analogs. European Biophysics Journal, 2010, 39, 959-970.	1.2	9
42	Cu Involvement In Prion Oligopeptide Stability: Experiments And Numerical Simulations. Biophysical Journal, 2009, 96, 590a.	0.2	0
43	Identifying the Minimal Copper- and Zinc-binding Site Sequence in Amyloid-Î² Peptides. Journal of Biological Chemistry, 2008, 283, 10784-10792.	1.6	184
44	Metal binding in amyloid Î²-peptides shows intra- and inter-peptide coordination modes. European Biophysics Journal, 2006, 35, 340-351.	1.2	104