

Paul Lourdu Xavier

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30 papers	2,180 citations	21 h-index	32 g-index
32 ext. papers	2,495 ext. citations	9.9 avg, IF	4.43 L-index

#	Paper	IF	Citations
30	Copper quantum clusters in protein matrix: potential sensor of Pb ²⁺ ion. <i>Analytical Chemistry</i> , 2011 , 83, 9676-80	7.8	284
29	Femtosecond structural dynamics drives the trans/cis isomerization in photoactive yellow protein. <i>Science</i> , 2016 , 352, 725-9	33.3	276
28	Luminescent quantum clusters of gold in transferrin family protein, lactoferrin exhibiting FRET. <i>Nanoscale</i> , 2010 , 2, 2769-76	7.7	238
27	Understanding the evolution of luminescent gold quantum clusters in protein templates. <i>ACS Nano</i> , 2011 , 5, 8816-27	16.7	203
26	Luminescent, bimetallic AuAg alloy quantum clusters in protein templates. <i>Nanoscale</i> , 2012 , 4, 4255-62	7.7	106
25	Megahertz serial crystallography. <i>Nature Communications</i> , 2018 , 9, 4025	17.4	104
24	Macromolecular diffractive imaging using imperfect crystals. <i>Nature</i> , 2016 , 530, 202-6	50.4	101
23	Transparent, luminescent, antibacterial and patternable film forming composites of graphene oxide/reduced graphene oxide. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2643-54	9.5	100
22	X-ray screening identifies active site and allosteric inhibitors of SARS-CoV-2 main protease. <i>Science</i> , 2021 , 372, 642-646	33.3	95
21	Unprecedented inhibition of tubulin polymerization directed by gold nanoparticles inducing cell cycle arrest and apoptosis. <i>Nanoscale</i> , 2013 , 5, 4476-89	7.7	83
20	Protein-encapsulated gold cluster aggregates: the case of lysozyme. <i>Nanoscale</i> , 2013 , 5, 2009-16	7.7	73
19	Protein-directed synthesis of NIR-emitting, tunable HgS quantum dots and their applications in metal-ion sensing. <i>Small</i> , 2012 , 8, 3175-84	11	73
18	Correlations in Scattered X-Ray Laser Pulses Reveal Nanoscale Structural Features of Viruses. <i>Physical Review Letters</i> , 2017 , 119, 158102	7.4	67
17	Double-flow focused liquid injector for efficient serial femtosecond crystallography. <i>Scientific Reports</i> , 2017 , 7, 44628	4.9	62
16	Coherent diffraction of single Rice Dwarf virus particles using hard X-rays at the Linac Coherent Light Source. <i>Scientific Data</i> , 2016 , 3, 160064	8.2	53
15	Coherent soft X-ray diffraction imaging of coliphage PR772 at the Linac coherent light source. <i>Scientific Data</i> , 2017 , 4, 170079	8.2	41
14	Emergence of Multicolor Photoluminescence in La _{0.67} Sr _{0.33} MnO ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25623-25629	3.8	32

13	DNA-based construction at the nanoscale: emerging trends and applications. <i>Nanotechnology</i> , 2018 , 29, 062001	3.4	32
12	Megahertz single-particle imaging at the European XFEL. <i>Communications Physics</i> , 2020 , 3,	5.4	23
11	Luminescent iron clusters in solution. <i>Nanoscale</i> , 2014 , 6, 1848-54	7.7	22
10	Low-signal limit of X-ray single particle diffractive imaging. <i>Optics Express</i> , 2019 , 27, 37816-37833	3.3	21
9	Simple convergent-nozzle aerosol injector for single-particle diffractive imaging with X-ray free-electron lasers. <i>Structural Dynamics</i> , 2015 , 2, 041717	3.2	20
8	3D diffractive imaging of nanoparticle ensembles using an x-ray laser. <i>Optica</i> , 2021 , 8, 15	8.6	19
7	Femtosecond X-ray diffraction from an aerosolized beam of protein nanocrystals. <i>Journal of Applied Crystallography</i> , 2018 , 51, 133-139	3.8	16
6	Evaluation of serial crystallographic structure determination within megahertz pulse trains. <i>Structural Dynamics</i> , 2019 , 6, 064702	3.2	14
5	Analysis of XFEL serial diffraction data from individual crystalline fibrils. <i>IUCrJ</i> , 2017 , 4, 795-811	4.7	12
4	An advanced workflow for single-particle imaging with the limited data at an X-ray free-electron laser. <i>IUCrJ</i> , 2020 , 7, 1102-1113	4.7	6
3	Size evolution of luminescent lactoferrin protected gold clusters. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 70-1	4	3
2	Diffraction data from aerosolized Coliphage PR772 virus particles imaged with the Linac Coherent Light Source. <i>Scientific Data</i> , 2020 , 7, 404	8.2	1
1	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging.. <i>IUCrJ</i> , 2022 , 9, 204-214	4.7	0