

Clement E Blanchet

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,728
citations

687220

13
h-index

580701

25
g-index

25
all docs

25
docs citations

25
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	Versatile sample environments and automation for biological solution X-ray scattering experiments at the P12 beamline (PETRA III, DESY). <i>Journal of Applied Crystallography</i> , 2015, 48, 431-443.	1.9	508
2	BioSAXS Sample Changer: a robotic sample changer for rapid and reliable high-throughput X-ray solution scattering experiments. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 67-75.	2.5	181
3	Small-Angle X-Ray Scattering on Biological Macromolecules and Nanocomposites in Solution. <i>Annual Review of Physical Chemistry</i> , 2013, 64, 37-54.	4.8	173
4	Preparing monodisperse macromolecular samples for successful biological small-angle X-ray and neutron-scattering experiments. <i>Nature Protocols</i> , 2016, 11, 2122-2153.	5.5	142
5	Limiting radiation damage for high-brilliance biological solution scattering: practical experience at the EMBL P12 beamline PETRAIII. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 273-279.	1.0	112
6	Polysarcosine-Functionalized Lipid Nanoparticles for Therapeutic mRNA Delivery. <i>ACS Applied Nano Materials</i> , 2020, 3, 10634-10645.	2.4	108
7	Structure of ATP citrate lyase and the origin of citrate synthase in the Krebs cycle. <i>Nature</i> , 2019, 568, 571-575.	13.7	101
8	Automated Pipeline for Purification, Biophysical and X-Ray Analysis of Biomacromolecular Solutions. <i>Scientific Reports</i> , 2015, 5, 10734.	1.6	99
9	Instrumental setup for high-throughput small- and wide-angle solution scattering at the X33 beamline of EMBL Hamburg. <i>Journal of Applied Crystallography</i> , 2012, 45, 489-495.	1.9	65
10	Cofactor effects on the protein folding reaction: Acceleration of \hat{A} -lactalbumin refolding by metal ions. <i>Protein Science</i> , 2006, 15, 659-671.	3.1	47
11	LabDisk for SAXS: a centrifugal microfluidic sample preparation platform for small-angle X-ray scattering. <i>Lab on A Chip</i> , 2016, 16, 1161-1170.	3.1	44
12	Smaller capillaries improve the small-angle X-ray scattering signal and sample consumption for biomacromolecular solutions. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1113-1122.	1.0	27
13	Structural Determinants and Mechanism of Mammalian CRM1 Allostery. <i>Structure</i> , 2013, 21, 1350-1360.	1.6	17
14	Rapid screening of <i>in cellulo</i> grown protein crystals via a small-angle X-ray scattering/X-ray powder diffraction synergistic approach. <i>Journal of Applied Crystallography</i> , 2020, 53, 1169-1180.	1.9	17
15	On the Origins of Fracture Toughness in Advanced Teleosts: How the Swordfish Sword's Bone Structure and Composition Allow for Slashing under Water to Kill or Stun Prey. <i>Advanced Science</i> , 2019, 6, 1900287.	5.6	14
16	A small and robust active beamstop for scattering experiments on high-brilliance undulator beamlines. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 461-464.	1.0	13
17	Molecular Mechanisms of the Interactions of N-(2-Hydroxypropyl)methacrylamide Copolymers Designed for Cancer Therapy with Blood Plasma Proteins. <i>Pharmaceutics</i> , 2020, 12, 106.	2.0	12
18	Anomalous SAXS at P12 beamline EMBL Hamburg: instrumentation and applications. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 812-823.	1.0	9

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19	Amyloid Fibrils Formed by the Programmed Cell Death Regulator Bcl-xL. <i>Journal of Molecular Biology</i> , 2012, 415, 584-599.	2.0	8
20	In situ Investigations on Gold Nanoparticles Stabilization Mechanisms in Biological Environments Containing HSA. <i>Advanced Functional Materials</i> , 2022, 32, 2110253.	7.8	8
21	Anisotropic lanthanide-based nano-clusters for imaging applications. <i>Faraday Discussions</i> , 2016, 191, 465-479.	1.6	7
22	ASAXS measurements on ferritin and apoferritin at the bioSAXS beamline P12 (PETRA III, DESY). <i>Journal of Applied Crystallography</i> , 2021, 54, 830-838.	1.9	6
23	The Conformation of the N-Terminal Tails of <i>Deinococcus grandis</i> Dps Is Modulated by the Ionic Strength. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4871.	1.8	5
24	Probing the existence of non-thermal Terahertz radiation induced changes of the protein solution structure. <i>Scientific Reports</i> , 2021, 11, 22311.	1.6	4
25	Biomimetics: On the Origins of Fracture Toughness in Advanced Teleosts: How the Swordfish Sword's Bone Structure and Composition Allow for Slashing under Water to Kill or Stun Prey (<i>Adv. Sci.</i>) Tj ETQq1 1 0.7843146gBT / Overlock 10	1.0	10