Clement E Blanchet

List of Publications by Year
in descending order

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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	Inâ€situ Investigations on Gold Nanoparticles Stabilization Mechanisms in Biological Environments Containing HSA. Advanced Functional Materials, 2022, 32, 2110253.	7.8	8
2	The Conformation of the N-Terminal Tails of Deinococcus grandis Dps Is Modulated by the Ionic Strength. International Journal of Molecular Sciences, 2022, 23, 4871.	1.8	5
3	Anomalous SAXS at P12 beamline EMBL Hamburg: instrumentation and applications. Journal of Synchrotron Radiation, 2021, 28, 812-823.	1.0	9
4	ASAXS measurements on ferritin and apoferritin at the bioSAXS beamline P12 (PETRA III, DESY). Journal of Applied Crystallography, 2021, 54, 830-838.	1.9	6
5	Probing the existence of non-thermal Terahertz radiation induced changes of the protein solution structure. Scientific Reports, 2021, 11, 22311.	1.6	4
6	Polysarcosine-Functionalized Lipid Nanoparticles for Therapeutic mRNA Delivery. ACS Applied Nano Materials, 2020, 3, 10634-10645.	2.4	108
7	Molecular Mechanisms of the Interactions of N-(2-Hydroxypropyl)methacrylamide Copolymers Designed for Cancer Therapy with Blood Plasma Proteins. Pharmaceutics, 2020, 12, 106.	2.0	12
8	Rapid screening of in cellulo grown protein crystals via a small-angle X-ray scattering/X-ray powder diffraction synergistic approach. Journal of Applied Crystallography, 2020, 53, 1169-1180.	1.9	17
9	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 (Adv. Sci.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.6	1
10	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. Advanced Science, 2019, 6, 1900287.	5.6	14
11	Structure of ATP citrate lyase and the origin of citrate synthase in the Krebs cycle. Nature, 2019, 568, 571-575.	13.7	101
12	Smaller capillaries improve the small-angle X-ray scattering signal and sample consumption for biomacromolecular solutions. Journal of Synchrotron Radiation, 2018, 25, 1113-1122.	1.0	27
13	Anisotropic lanthanide-based nano-clusters for imaging applications. Faraday Discussions, 2016, 191, 465-479.	1.6	7
14	Preparing monodisperse macromolecular samples for successful biological small-angle X-ray and neutron-scattering experiments. Nature Protocols, 2016, 11, 2122-2153.	5.5	142
15	LabDisk for SAXS: a centrifugal microfluidic sample preparation platform for small-angle X-ray scattering. Lab on A Chip, 2016, 16, 1161-1170.	3.1	44
16	BioSAXS Sample Changer: a robotic sample changer for rapid and reliable high-throughput X-ray solution scattering experiments. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 67-75.	2.5	181
17	Limiting radiation damage for high-brilliance biological solution scattering: practical experience at the EMBL P12 beamline PETRAIII. Journal of Synchrotron Radiation, 2015, 22, 273-279.	1.0	112
18	Automated Pipeline for Purification, Biophysical and X-Ray Analysis of Biomacromolecular Solutions. Scientific Reports, 2015, 5, 10734.	1.6	99

#	Article	IF	Citations
19	A small and robust active beamstop for scattering experiments on high-brilliance undulator beamlines. Journal of Synchrotron Radiation, 2015, 22, 461-464.	1.0	13
20	Versatile sample environments and automation for biological solution X-ray scattering experiments at the P12 beamline (PETRA III, DESY). Journal of Applied Crystallography, 2015, 48, 431-443.	1.9	508
21	Structural Determinants and Mechanism of Mammalian CRM1 Allostery. Structure, 2013, 21, 1350-1360.	1.6	17
22	Small-Angle X-Ray Scattering on Biological Macromolecules and Nanocomposites in Solution. Annual Review of Physical Chemistry, 2013, 64, 37-54.	4.8	173
23	Amyloid Fibrils Formed by the Programmed Cell Death Regulator Bcl-xL. Journal of Molecular Biology, 2012, 415, 584-599.	2.0	8
24	Instrumental setup for high-throughput small- and wide-angle solution scattering at the X33 beamline of EMBL Hamburg. Journal of Applied Crystallography, 2012, 45, 489-495.	1.9	65
25	Cofactor effects on the protein folding reaction: Acceleration of Â-lactalbumin refolding by metal ions. Protein Science, 2006, 15, 659-671.	3.1	47