Natalia L Lunina

List of Publications by Year
in descending order

22 papers	**177** citations	**7** h-index (1307594)

13 g-index (1125743)

23 all docs	**23** docs citations	**23** times ranked

97 citing authors

#	Article	IF	Citations
1	The Map Correlation Coefficient for Optimally Superposed Maps. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, 365-368.	0.3	30
2	Low-resolution data analysis for low-density lipoprotein particle. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 108-121.	2.5	23
3	Connectivity properties of high-density regions and ab initio phasing at low resolution. Acta Crystallographica Section A: Foundations and Advances, 2000, 56, 375-382.	0.3	21
4	On the ab initio solution of the phase problem for macromolecules at very low resolution: the few atoms model method. Acta Crystallographica Section D: Biological Crystallography, 1995, 51, 896-903.	2.5	18
5	Efficient calculation of diffracted intensities in the case of nonstationary scattering by biological macromolecules under XFEL pulses. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 293-303.	2.5	18
6	On the Ab Initio Solution of the Phase Problem for Macromolecules at Very Low Resolution. II. Generalized Likelihood Based Approach to Cluster Discrimination. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 726-734.	2.5	11
7	Low-resolution ab initio phasing: problems and advances. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1223-1232.	2.5	10
8	Connectivity-based ab initio phasing: from low resolution to a secondary structure. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1702-1715.	2.5	8
9	Mask-based approach to phasing of single-particle diffraction data. Acta Crystallographica Section D: Structural Biology, 2016, 72, 147-157.	2.3	8
10	Ab initio phasing starting from low resolution. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, 668-685.	0.8	7
11	New possibilities of X-ray nanocrystallography of biological macromolecules based on X-ray free-electron lasers. Russian Journal of Physical Chemistry B, 2014, 8, 457-463.	1.3	5
12	Low-resolution structure determination of Na+-translocating NADH:ubiquinone oxidoreductase from Vibrio cholerae by ab initio phasing and electron microscopy. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 724-731.	2.5	4
13	Mask-based approach to phasing of single-particle diffraction data. II. Likelihood-based selection criteria. Acta Crystallographica Section D: Structural Biology, 2019, 75, 79-89.	2.3	4
14	Estimates of the twinning fraction for macromolecular crystals using statistical models accounting for experimental errors. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 1129-1138.	2.5	3
15	Low-resolution ab initio phasing of Sarcocystis muris lectin SML-2. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 533-540.	2.5	2
16	Ab Initio Low Resolution Phasing. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 181-192.	0.5	2
17	Density constraints and low-resolution phasing. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1233-1244.	2.5	1
18	Connectivity-based ab initio phasing at different solvent levels. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 850-858.	2.5	1

#	Article	IF	Citations
19	Ab initio phasing starting from low resolution. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2007, , 123-133.	0.1	1
20	Ab initiophasing based on topological restraints: automated determination of the space group and the number of molecules in the unit cell. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1519-1526.	2.5	0
21	To the memory of Ãˆmmanuil Ãˆl'evich Shnol'. Russian Mathematical Surveys, 2017, 72, 185-198.	0.6	0
22	Some Applications of Dummy Point Scatterers for Phasing in Macromolecular X-Ray Crystallography. Lecture Notes in Computer Science, 2005, , 35-45.	1.3	0