

# Amelie Leforestier

## List of Publications by Year in descending order

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34  
papers

1,940  
citations

361413

20  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1726  
citing authors

#	ARTICLE	IF	CITATIONS
1	TomoFlow: Analysis of Continuous Conformational Variability of Macromolecules in Cryogenic Subtomograms based on 3D Dense Optical Flow. <i>Journal of Molecular Biology</i> , 2022, 434, 167381.	4.2	14
2	Local structure of DNA toroids reveals curvature-dependent intermolecular forces. <i>Nucleic Acids Research</i> , 2021, 49, 3709-3718.	14.5	4
3	HEMNMA-3D: Cryo Electron Tomography Method Based on Normal Mode Analysis to Study Continuous Conformational Variability of Macromolecular Complexes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 663121.	3.5	30
4	Nucleosome conformational variability in solution and in interphase nuclei evidenced by cryo-electron microscopy of vitreous sections. <i>Nucleic Acids Research</i> , 2018, 46, 9189-9200.	14.5	42
5	Assemblage et désassemblage des virus: mode d'emploi. , 2017, , 22-26.	0.1	0
6	Coexistence of coil and globule domains within a single confined DNA chain. <i>Nucleic Acids Research</i> , 2016, 44, 1421-1427.	14.5	6
7	Collapse of Individual DNA Chains Confined in Bacteriophage Capsids. <i>Biophysical Journal</i> , 2016, 110, 22a.	0.5	0
8	Can Changes in Temperature or Ionic Conditions Modify the DNA Organization in the Full Bacteriophage Capsid?. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5975-5986.	2.6	14
9	Imaging Drosophila brain by combining cryo-soft X-ray microscopy of thick vitreous sections and cryo-electron microscopy of ultrathin vitreous sections. <i>Journal of Structural Biology</i> , 2014, 188, 177-182.	2.8	5
10	RELATIONSHIP BETWEEN THE GENOME PACKING IN THE BACTERIOPHAGE CAPSID AND THE KINETICS OF DNA EJECTION. <i>Biophysical Reviews and Letters</i> , 2014, 09, 81-104.	0.8	23
11	Polymorphism of DNA conformation inside the bacteriophage capsid. <i>Journal of Biological Physics</i> , 2013, 39, 201-213.	1.5	12
12	Contribution of cryoelectron microscopy of vitreous sections to the understanding of biological membrane structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8959-8964.	7.1	18
13	Protein-DNA Interactions Determine the Shapes of DNA Toroids Condensed in Virus Capsids. <i>Biophysical Journal</i> , 2011, 100, 2209-2216.	0.5	47
14	The Bacteriophage Genome Undergoes a Succession of Intracapsid Phase Transitions upon DNA Ejection. <i>Journal of Molecular Biology</i> , 2010, 396, 384-395.	4.2	77
15	Structure of toroidal DNA collapsed inside the phage capsid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9157-9162.	7.1	121
16	Expression of chirality in columnar hexagonal phases of DNA and nucleosomes. <i>Comptes Rendus Chimie</i> , 2008, 11, 229-244.	0.5	23
17	Bacteriophage T5 DNA Ejection under Pressure. <i>Journal of Molecular Biology</i> , 2008, 384, 730-739.	4.2	43
18	Are liquid crystalline properties of nucleosomes involved in chromosome structure and dynamics?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 2615-2633.	3.4	54

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19	Cryo-electron microscopy of vitreous sections. EMBO Journal, 2004, 23, 3583-3588.	7.8	420
20	Role of Histone Tails in the Conformation and Interactions of Nucleosome Core Particles. Biochemistry, 2004, 43, 4773-4780.	2.5	80
21	X-Ray Diffraction Characterization of the Dense Phases Formed by Nucleosome Core Particles. Biophysical Journal, 2003, 84, 2570-2584.	0.5	47
22	Salt-Induced Conformation and Interaction Changes of Nucleosome Core Particles. Biophysical Journal, 2002, 82, 345-356.	0.5	112
23	DNA in Human and Stallion Spermatozoa Forms Local Hexagonal Packing with Twist and Many Defects. Journal of Structural Biology, 2001, 134, 76-81.	2.8	60
24	Aggregation of Nucleosomes by Divalent Cations. Biophysical Journal, 2001, 81, 1127-1132.	0.5	78
25	Bilayers of Nucleosome Core Particles. Biophysical Journal, 2001, 81, 2414-2421.	0.5	71
26	Chiral Discotic Columnar Germs of Nucleosome Core Particles. Biophysical Journal, 2000, 78, 2716-2729.	0.5	51
27	Polymorphism of the supramolecular ordering of nucleosome core particles as a function of the ionic environment. Biology of the Cell, 1999, 91, 246-247.	2.0	0
28	Spermidine-induced aggregation of nucleosome core particles: evidence for multiple liquid crystalline phases. Journal of Molecular Biology, 1999, 290, 481-494.	4.2	36
29	Chirality in nucleosome liquid crystalline phases. Biology of the Cell, 1998, 90, 285-285.	2.0	0
30	Condensed phases of DNA: Structures and phase transitions. Progress in Polymer Science, 1996, 21, 1115-1164.	24.7	404
31	Microphases of spermidine-condensed DNA. Structural analysis by cryoelectron microscopy. Biology of the Cell, 1995, 84, 225-225.	2.0	0
32	DNA Mesophases: A Structural Analysis in Polarizing and Electron Microscopy. Molecular Crystals and Liquid Crystals, 1992, 215, 47-56.	0.3	10
33	Distortion of DNA cholesteric liquid crystal quenched at low temperature : geometrical analysis and models. Journal De Physique II, 1992, 2, 1853-1880.	0.9	12
34	Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods. Biology of the Cell, 1991, 71, 115-122.	2.0	23