

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	Cryo-electron microscopy of vitreous sections. EMBO Journal, 2004, 23, 3583-3588.	7.8	420
2	Condensed phases of DNA: Structures and phase transitions. Progress in Polymer Science, 1996, 21, 1115-1164.	24.7	404
3	Structure of toroidal DNA collapsed inside the phage capsid. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9157-9162.	7.1	121
4	Salt-Induced Conformation and Interaction Changes of Nucleosome Core Particles. Biophysical Journal, 2002, 82, 345-356.	0.5	112
5	Role of Histone Tails in the Conformation and Interactions of Nucleosome Core Particles. Biochemistry, 2004, 43, 4773-4780.	2.5	80
6	Aggregation of Nucleosomes by Divalent Cations. Biophysical Journal, 2001, 81, 1127-1132.	0.5	78
7	The Bacteriophage Genome Undergoes a Succession of Intracapsid Phase Transitions upon DNA Ejection. Journal of Molecular Biology, 2010, 396, 384-395.	4.2	77
8	Bilayers of Nucleosome Core Particles. Biophysical Journal, 2001, 81, 2414-2421.	0.5	71
9	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
10	Are liquid crystalline properties of nucleosomes involved in chromosome structure and dynamics?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 2615-2633.	3.4	54
11	Chiral Discotic Columnar Germs of Nucleosome Core Particles. Biophysical Journal, 2000, 78, 2716-2729.	0.5	51
12	X-Ray Diffraction Characterization of the Dense Phases Formed by Nucleosome Core Particles. Biophysical Journal, 2003, 84, 2570-2584.	0.5	47
13	Protein-DNA Interactions Determine the Shapes of DNA Toroids Condensed in Virus Capsids. Biophysical Journal, 2011, 100, 2209-2216.	0.5	47
14	Bacteriophage T5 DNA Ejection under Pressure. Journal of Molecular Biology, 2008, 384, 730-739.	4.2	43
15	Nucleosome conformational variability in solution and in interphase nuclei evidenced by cryo-electron microscopy of vitreous sections. Nucleic Acids Research, 2018, 46, 9189-9200.	14.5	42
16	Spermidine-induced aggregation of nucleosome core particles: evidence for multiple liquid crystalline phases. Journal of Molecular Biology, 1999, 290, 481-494.	4.2	36
17	HEMNMA-3D: Cryo Electron Tomography Method Based on Normal Mode Analysis to Study Continuous Conformational Variability of Macromolecular Complexes. Frontiers in Molecular Biosciences, 2021, 8, 663121.	3.5	30
18	Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods. Biology of the Cell, 1991, 71, 115-122.	2.0	23

#	ARTICLE	IF	CITATIONS
19	Expression of chirality in columnar hexagonal phases of DNA and nucleosomes. <i>Comptes Rendus Chimie</i> , 2008, 11, 229-244.	0.5	23
20	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
21	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
22	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
23	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
24	Distortion of DNA cholesteric liquid crystal quenched at low temperature : geometrical analysis and models. <i>Journal De Physique II</i> , 1992, 2, 1853-1880.	0.9	12
25	Polymorphism of DNA conformation inside the bacteriophage capsid. <i>Journal of Biological Physics</i> , 2013, 39, 201-213.	1.5	12
26	DNA Mesophases: A Structural Analysis in Polarizing and Electron Microscopy. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 215, 47-56.	0.3	10
27	Coexistence of coil and globule domains within a single confined DNA chain. <i>Nucleic Acids Research</i> , 2016, 44, 1421-1427.	14.5	6
28	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
29	Local structure of DNA toroids reveals curvature-dependent intermolecular forces. <i>Nucleic Acids Research</i> , 2021, 49, 3709-3718.	14.5	4
30	Microphases of spermidine-condensed DNA. Structural analysis by cryoelectron microscopy. <i>Biology of the Cell</i> , 1995, 84, 225-225.	2.0	0
31	Chirality in nucleosome liquid crystalline phases. <i>Biology of the Cell</i> , 1998, 90, 285-285.	2.0	0
32	Polymorphism of the supramolecular ordering of nucleosome core particles as a function of the ionic environment. <i>Biology of the Cell</i> , 1999, 91, 246-247.	2.0	0
33	Collapse of Individual DNA Chains Confined in Bacteriophage Capsids. <i>Biophysical Journal</i> , 2016, 110, 22a.	0.5	0
34	Assemblage et désassemblage des virus: mode d'emploi. , 2017, , 22-26.	0.1	0