

Amelie Leforestier

List of Publications by Year in descending order

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34
papers

1,940
citations

361045

20
h-index

476904

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. <i>EMBO Journal</i> , 2004, 23, 3583-3588.	3.5	420
2	Condensed phases of DNA: Structures and phase transitions. <i>Progress in Polymer Science</i> , 1996, 21, 1115-1164.	11.8	404
3	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.	3.3	121
4	Salt-Induced Conformation and Interaction Changes of Nucleosome Core Particles. <i>Biophysical Journal</i> , 2002, 82, 345-356.	0.2	112
5	Role of Histone Tails in the Conformation and Interactions of Nucleosome Core Particles. <i>Biochemistry</i> , 2004, 43, 4773-4780.	1.2	80
6	Aggregation of Nucleosomes by Divalent Cations. <i>Biophysical Journal</i> , 2001, 81, 1127-1132.	0.2	78
7	The Bacteriophage Genome Undergoes a Succession of Intracapsid Phase Transitions upon DNA Ejection. <i>Journal of Molecular Biology</i> , 2010, 396, 384-395.	2.0	77
8	Bilayers of Nucleosome Core Particles. <i>Biophysical Journal</i> , 2001, 81, 2414-2421.	0.2	71
9	DNA in Human and Stallion Spermatozoa Forms Local Hexagonal Packing with Twist and Many Defects. <i>Journal of Structural Biology</i> , 2001, 134, 76-81.	1.3	60
10	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.	1.6	54
11	Chiral Discotic Columnar Germs of Nucleosome Core Particles. <i>Biophysical Journal</i> , 2000, 78, 2716-2729.	0.2	51
12	X-Ray Diffraction Characterization of the Dense Phases Formed by Nucleosome Core Particles. <i>Biophysical Journal</i> , 2003, 84, 2570-2584.	0.2	47
13	Protein-DNA Interactions Determine the Shapes of DNA Toroids Condensed in Virus Capsids. <i>Biophysical Journal</i> , 2011, 100, 2209-2216.	0.2	47
14	Bacteriophage T5 DNA Ejection under Pressure. <i>Journal of Molecular Biology</i> , 2008, 384, 730-739.	2.0	43
15	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.	6.5	42
16	Spermidine-induced aggregation of nucleosome core particles: evidence for multiple liquid crystalline phases. <i>Journal of Molecular Biology</i> , 1999, 290, 481-494.	2.0	36
17	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.	1.6	30
18	Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods. <i>Biology of the Cell</i> , 1991, 71, 115-122.	0.7	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.	0.2	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.	0.9	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.	3.3	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.	1.2	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.	2.0	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.	0.7	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.	6.5	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.	1.3	5
29	Local structure of DNA toroids reveals curvature-dependent intermolecular forces. <i>Nucleic Acids Research</i> , 2021, 49, 3709-3718.	6.5	4
30	Microphases of spermidine-condensed DNA. Structural analysis by cryoelectron microscopy. <i>Biology of the Cell</i> , 1995, 84, 225-225.	0.7	0
31	Chirality in nucleosome liquid crystalline phases. <i>Biology of the Cell</i> , 1998, 90, 285-285.	0.7	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.	0.7	0
33	Collapse of Individual DNA Chains Confined in Bacteriophage Capsids. <i>Biophysical Journal</i> , 2016, 110, 22a.	0.2	0
34	Assemblage et désassemblage des virus: mode d'emploi. , 2017, , 22-26.	0.1	0