

Fabien Montel

List of Publications by Year in descending order

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28
papers

1,133
citations

567281

15
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Quantification by Nanopores of Viruses, Extracellular Vesicles, and Nanoparticles. Nano Letters, 2022, 22, 3651-3658.	9.1	4
2	Experimental study of a nanoscale translocation ratchet. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	5
3	Regulating the Translocation of DNA through Poly(<i>N</i> -isopropylacrylamide)-Decorated Switchable Nanopores by Cononsolvency Effect. Macromolecules, 2021, 54, 4432-4442.	4.8	14
4	Polynucleotide transport through lipid membrane in the presence of starburst cyclodextrin-based poly(ethylene glycol)s. European Physical Journal E, 2018, 41, 132.	1.6	5
5	Uncooked spaghetti in a colander: Injection of semiflexible polymers in a nanopore. European Physical Journal E, 2018, 41, 63.	1.6	2
6	Extensive characterization of magnetic microrods observed using optical microscopy. Soft Matter, 2017, 13, 3841-3846.	2.7	0
7	Zero-Mode Waveguide Detection of Flow-Driven DNA Translocation through Nanopores. Physical Review Letters, 2014, 113, 028302.	7.8	37
8	Compressive Stress Inhibits Proliferation in Tumor Spheroids through a Volume Limitation. Biophysical Journal, 2014, 107, 1821-1828.	0.5	218
9	FIB patterning of dielectric, metallized and graphene membranes: A comparative study. Microelectronic Engineering, 2014, 121, 87-91.	2.4	25
10	Flow Injection of DNA in Nanopores : Direct Optical Visualization of a Pressure Threshold. Biophysical Journal, 2014, 106, 211a.	0.5	0
11	Mechanical Control of Cell flow in Multicellular Spheroids. Physical Review Letters, 2013, 110, 138103.	7.8	57
12	Mechanical Pressure Arrests the Growth of Tumor Spheroids. Biophysical Journal, 2013, 104, 492a.	0.5	2
13	The N-terminal domains of TRF1 and TRF2 regulate their ability to condense telomeric DNA. Nucleic Acids Research, 2012, 40, 2566-2576.	14.5	64
14	Chromatin Structure and Dynamics: Histone Variants and Remodeling Complexes. Biophysical Journal, 2012, 102, 480a.	0.5	0
15	Influence of Mecanical Stress on Tumor Growth. Biophysical Journal, 2012, 102, 160a.	0.5	0
16	Stress Clamp Experiments on Multicellular Tumor Spheroids. Biophysical Journal, 2012, 102, 220a.	0.5	1
17	Isotropic stress reduces cell proliferation in tumor spheroids. New Journal of Physics, 2012, 14, 055008.	2.9	84
18	Stress Clamp Experiments on Multicellular Tumor Spheroids. Physical Review Letters, 2011, 107, 188102.	7.8	188

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19	RSC remodeling of oligo-nucleosomes: an atomic force microscopy study. <i>Nucleic Acids Research</i> , 2011, 39, 2571-2579.	14.5	20
20	The docking domain of histone H2A is required for H1 binding and RSC-mediated nucleosome remodeling. <i>Nucleic Acids Research</i> , 2011, 39, 2559-2570.	14.5	56
21	Remosomes: RSC generated non-mobilized particles with approximately 180Åbp DNA loosely associated with the histone octamer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1936-1941.	7.1	45
22	RSC is an Efficient Nucleosome Randomizer: An AFM Quantitative Study on Oligo-Nucleosomal Templates. <i>Biophysical Journal</i> , 2010, 98, 474a.	0.5	0
23	Tumor and Micro-Environment: The Role of Pressure in Cancer Proliferation. <i>Biophysical Journal</i> , 2010, 98, 731a.	0.5	0
24	TRF2 promotes, remodels and protects telomeric Holliday junctions. <i>EMBO Journal</i> , 2009, 28, 641-651.	7.8	99
25	The Dynamics of Individual Nucleosomes Controls the Chromatin Condensation Pathway: Direct Atomic Force Microscopy Visualization of Variant Chromatin. <i>Biophysical Journal</i> , 2009, 97, 544-553.	0.5	25
26	Dynamic kinesin-1 clustering on microtubules due to mutually attractive interactions. <i>Physical Biology</i> , 2008, 5, 046004.	1.8	50
27	Atomic Force Microscopy Imaging of SWI/SNF Action: Mapping the Nucleosome Remodeling and Sliding. <i>Biophysical Journal</i> , 2007, 93, 566-578.	0.5	24
28	Dissection of the unusual structural and functional properties of the variant H2A.Bbd nucleosome. <i>EMBO Journal</i> , 2006, 25, 4234-4244.	7.8	103