Fabien Montel

List of Publications by Year
in descending order

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	Compressive Stress Inhibits Proliferation in Tumor Spheroids through a Volume Limitation. Biophysical Journal, 2014, 107, 1821-1828.	0.5	218
2	Stress Clamp Experiments on Multicellular Tumor Spheroids. Physical Review Letters, 2011, 107, 188102.	7.8	188
3	Dissection of the unusual structural and functional properties of the variant H2A.Bbd nucleosome. EMBO Journal, 2006, 25, 4234-4244.	7.8	103
4	TRF2 promotes, remodels and protects telomeric Holliday junctions. EMBO Journal, 2009, 28, 641-651.	7.8	99
5	Isotropic stress reduces cell proliferation in tumor spheroids. New Journal of Physics, 2012, 14, 055008.	2.9	84
6	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
7	Mechanical Control of Cell flow in Multicellular Spheroids. Physical Review Letters, 2013, 110, 138103.	7.8	57
8	The docking domain of histone H2A is required for H1 binding and RSC-mediated nucleosome remodeling. Nucleic Acids Research, 2011, 39, 2559-2570.	14.5	56
9	Dynamic kinesin-1 clustering on microtubules due to mutually attractive interactions. Physical Biology, 2008, 5, 046004.	1.8	50
10	Remosomes: RSC generated non-mobilized particles with approximately 180Âbp DNA loosely associated with the histone octamer. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1936-1941.	7.1	45
11	Zero-Mode Waveguide Detection of Flow-Driven DNA Translocation through Nanopores. Physical Review Letters, 2014, 113, 028302.	7.8	37
12	The Dynamics of Individual Nucleosomes Controls the Chromatin Condensation Pathway: Direct Atomic Force Microscopy Visualization of Variant Chromatin. Biophysical Journal, 2009, 97, 544-553.	0.5	25
13	FIB patterning of dielectric, metallized and graphene membranes: A comparative study. Microelectronic Engineering, 2014, 121, 87-91.	2.4	25
14	Atomic Force Microscopy Imaging of SWI/SNF Action: Mapping the Nucleosome Remodeling and Sliding. Biophysical Journal, 2007, 93, 566-578.	0.5	24
15	RSC remodeling of oligo-nucleosomes: an atomic force microscopy study. Nucleic Acids Research, 2011, 39, 2571-2579.	14.5	20
16	Regulating the Translocation of DNA through Poly(N-isopropylacrylamide)-Decorated Switchable Nanopores by Cononsolvency Effect. Macromolecules, 2021, 54, 4432-4442.	4.8	14
17	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
18	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

#	Article	IF	Citations
19	Optical Quantification by Nanopores of Viruses, Extracellular Vesicles, and Nanoparticles. Nano Letters, 2022, 22, 3651-3658.	9.1	4
20	Mechanical Pressure Arrests the Growth of Tumor Spheroids. Biophysical Journal, 2013, 104, 492a.	0.5	2
21	Uncooked spaghetti in a colander: Injection of semiflexible polymers in a nanopore. European Physical Journal E, 2018, 41, 63.	1.6	2
22	Stress Clamp Experiments on Multicellular Tumor Spheroids. Biophysical Journal, 2012, 102, 220a.	0.5	1
23	RSC is an Efficient Nucleosome Randomizer: An AFM Quantitative Study on Oligo-Nucleosomal Templates. Biophysical Journal, 2010, 98, 474a.	0.5	0
24	Tumor and Micro-Environment: The Role of Pressure in Cancer Proliferation. Biophysical Journal, 2010, 98, 731a.	0.5	0
25	Chromatin Structure and Dynamics: Histone Variants and Remodeling Complexes. Biophysical Journal, 2012, 102, 480a.	0.5	0
26	Influence of Mecanical Stress on Tumor Growth. Biophysical Journal, 2012, 102, 160a.	0.5	0
27	Flow Injection of DNA in Nanopores : Direct Optical Visualization of a Pressure Threshold. Biophysical Journal, 2014, 106, 211a.	0.5	0
28	Extensive characterization of magnetic microrods observed using optical microscopy. Soft Matter, 2017, 13, 3841-3846.	2.7	0