

# Michel G Gauthier

## List of Publications by Year in descending order

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759055

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#	ARTICLE	IF	CITATIONS
1	Regulation of DNA Replication within the Immunoglobulin Heavy-Chain Locus During B Cell Commitment. PLoS Biology, 2012, 10, e1001360.	2.6	48
2	Modeling Inhomogeneous DNA Replication Kinetics. PLoS ONE, 2012, 7, e32053.	1.1	20
3	The importance of introducing a waiting time for Lattice Monte Carlo simulations of a polymer translocation process. Computer Physics Communications, 2011, 182, 29-32.	3.0	9
4	Defects and DNA Replication. Physical Review Letters, 2010, 104, 218104.	2.9	21
5	Nondriven polymer translocation through a nanopore: Computational evidence that the escape and relaxation processes are coupled. Physical Review E, 2009, 79, 021802.	0.8	38
6	Control of DNA Replication by Anomalous Reaction-Diffusion Kinetics. Physical Review Letters, 2009, 102, 158104.	2.9	30
7	A Monte Carlo algorithm to study polymer translocation through nanopores. I. Theory and numerical approach. Journal of Chemical Physics, 2008, 128, 065103.	1.2	65
8	Sequence effects on the forced translocation of heteropolymers through a small channel. Journal of Chemical Physics, 2008, 128, 175103.	1.2	28
9	Biased random walks on a lattice: Exact numerical method to study the effect of alternating fields in disordered and asymmetric systems of obstacles. Physical Review E, 2008, 78, 065701.	0.8	5
10	A Monte Carlo algorithm to study polymer translocation through nanopores. II. Scaling laws. Journal of Chemical Physics, 2008, 128, 205103.	1.2	54
11	A new set of Monte Carlo moves for lattice random-walk models of biased diffusion. Physica A: Statistical Mechanics and Its Applications, 2005, 355, 283-296.	1.2	7
12	Building reliable lattice Monte Carlo models for real drift and diffusion problems. Physical Review E, 2004, 70, 015103.	0.8	30
13	An exactly solvable Ogston model of gel electrophoresis: X. Application to high-field separation techniques. Electrophoresis, 2003, 24, 441-451.	1.3	13
14	The theory of DNA separation by capillary electrophoresis. Current Opinion in Biotechnology, 2003, 14, 58-64.	3.3	47
15	Generalized Taylor-Aris dispersion analysis of spatially periodic lattice Monte Carlo models: Effect of discrete time. Journal of Chemical Physics, 2003, 119, 6979-6980.	1.2	6
16	Exactly solvable Ogston model of gel electrophoresis. IX. Generalizing the lattice model to treat high field intensities. Journal of Chemical Physics, 2002, 117, 6745-6756.	1.2	21