

Jean-Louis Sikorav

List of Publications by Year in descending order

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24
papers

1,443
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Precipitation of DNA by Polyamines: A Polyelectrolyte Behavior. <i>Biophysical Journal</i> , 1998, 74, 381-393.	0.5	407
2	DNA Aggregation Induced by Polyamines and Cobalthexamine. <i>Journal of Biological Chemistry</i> , 1996, 271, 5656-5662.	3.4	324
3	Complementary recognition in condensed DNA: Accelerated DNA renaturation. <i>Journal of Molecular Biology</i> , 1991, 222, 1085-1108.	4.2	105
4	A liquid crystalline phase in spermidine-condensed DNA. <i>Biophysical Journal</i> , 1994, 67, 1387-1392.	0.5	95
5	Mouse heavy chain variable regions: nucleotide sequence of a germ-line VHgene segment. <i>Nucleic Acids Research</i> , 1981, 9, 4099-4109.	14.5	70
6	Kinetics of chromosome condensation in the presence of topoisomerases: a phantom chain model. <i>Biophysical Journal</i> , 1994, 66, 827-837.	0.5	65
7	Structure of the constant and 3' untranslated regions of the murine Balb/c $\hat{I}^{\beta}2a$ heavy chain messenger RNA. <i>Nucleic Acids Research</i> , 1980, 8, 3143-3156.	14.5	45
8	Structural relationships among mouse and human immunoglobulin VHgenes in the subgroup III. <i>Nucleic Acids Research</i> , 1983, 11, 7887-7897.	14.5	41
9	Mouse immunoglobulin A: Nucleotide sequence of the structural gene for the \hat{I}^{\pm} heavy chain derived from cloned cDNAs. <i>Gene</i> , 1981, 13, 365-374.	2.2	36
10	Forces on chromosomal DNA during anaphase. <i>Biophysical Journal</i> , 1996, 71, 451-465.	0.5	35
11	Synthesis in vitro of precursors of the catalytic subunits of acetylcholinesterase from <i>Torpedo marmorata</i> and <i>Electrophorus electricus</i> . <i>FEBS Journal</i> , 1984, 145, 519-524.	0.2	34
12	Cyclization of Globular DNA. Implications for DNA-DNA Interactions in Vivo. <i>Biochemistry</i> , 1999, 38, 3223-3227.	2.5	34
13	Nonlinear viscoelasticity of entangled DNA molecules. <i>Europhysics Letters</i> , 1999, 46, 251-255.	2.0	30
14	Mechanism of Thermal Renaturation and Hybridization of Nucleic Acids: Kramers' Process and Universality in Watson-Crick Base Pairing. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3715-3725.	2.6	30
15	Anaphase chromatid motion: involvement of type II DNA topoisomerases. <i>Biophysical Journal</i> , 1995, 69, 1596-1605.	0.5	18
16	Symmetry and chirality in topoisomerase II-DNA crossover recognition 1 Edited by T. Richmond. <i>Journal of Molecular Biology</i> , 1998, 284, 1289-1299.	4.2	15
17	Isolation of a cDNA clone for a catalytic subunit of <i>Torpedo marmorata</i> acetylcholinesterase. <i>FEBS Letters</i> , 1985, 193, 159-163.	2.8	14
18	The utility of scientific papers. <i>Scientometrics</i> , 1991, 21, 49-68.	3.0	11

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19	Renaturation of condensed DNA studied through a decoupling scheme. Biopolymers, 1998, 46, 195-200.	2.4	11
20	DNA Adsorption at Liquid/Solid Interfaces. Journal of Physical Chemistry B, 2008, 112, 13676-13679.	2.6	11
21	Aggregation and Adsorption at the Air-Water Interface of Bacteriophage ϕ X174 Single-Stranded DNA. Biophysical Journal, 2008, 94, 134-146.	0.5	9
22	DNA crossovers and type II DNA topoisomerases: a thermodynamical study 1 Edited by T. Richmond. Journal of Molecular Biology, 1998, 284, 1279-1287.	4.2	2
23	Accelerated cyclization of λ DNA. Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie, 1998, 321, 1-4.	0.8	1
24	Foundations of Biology. Symmetry, 2021, 13, 1701.	2.2	0