Sanford H Leuba

List of Publications by Year
in descending order

51	2,466	218677	233421
papers	citations	26 h-index	45 g-index

52	52	52	2430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamics of DNA nicking and unwinding by the RepCâ€“PcrA complex. Nucleic Acids Research, 2020, 48, 2013-2025.	14.5	5
2	JÃ¶rg Langowski: his scientific legacy and the future it promises. BMC Biophysics, 2018, 11, 5.	4.4	0
3	Bacterial DnaB helicase interacts with the excluded strand to regulate unwinding. Journal of Biological Chemistry, 2017, 292, 19001-19012.	3.4	15
4	Force and twist dependence of RepC nicking activity on torsionally-constrained DNA molecules. Nucleic Acids Research, 2016, 44, 8885-8896.	14.5	20
5	Mechanism of allosteric inhibition of HIV-1 reverse transcriptase revealed by single-molecule and ensemble fluorescence. Nucleic Acids Research, 2014, 42, 11687-11696.	14.5	43
6	Early integration of the individual student in academic activities: a novel classroom concept for graduate education in molecular biophysics and structural biology. BMC Biophysics, 2014, 7, 6.	4.4	0
7	Salt-Urea, Sulfopropyl-Sepharose, and Covalent Chromatography Methods for Histone Isolation and Fractionation. Methods in Molecular Biology, 2014, 1094, 295-307.	0.9	3
8	Biophysical Insights into the Inhibitory Mechanism of Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors. Biomolecules, 2013, 3, 889-904.	4.0	5
9	PcrA-mediated disruption of RecA nucleoprotein filamentsâ€”essential role of the ATPase activity of RecA. Nucleic Acids Research, 2012, 40, 8416-8424.	14.5	22
10	Monoubiquitinated Histone H2A Destabilizes Photolesion-containing Nucleosomes with Concomitant Release of UV-damaged DNA-binding Protein E3 Ligase. Journal of Biological Chemistry, 2012, 287, 12036-12049.	3.4	49
11	Paracrine and Epigenetic Control of Trophectoderm Differentiation from Human Embryonic Stem Cells: The Role of Bone Morphogenic Protein 4 and Histone Deacetylases. Stem Cells and Development, 2011, 20, 1601-1614.	2.1	44
12	Steric exclusion and wrapping of the excluded DNA strand occurs along discrete external binding paths during MCM helicase unwinding. Nucleic Acids Research, 2011, 39, 6585-6595.	14.5	65
13	Optimal Practices for Surface-Tethered Single Molecule Total Internal Reflection Fluorescence Resonance Energy Transfer Analysis. Methods in Molecular Biology, 2011, 749, 273-289.	0.9	6
14	How to Think Like a Single Molecule: Obtaining Quantitative Measurements on Single DNA Molecules and Chromatin Fibers. Biological and Medical Physics Series, 2010, , 307-323.	0.4	0
15	Single Molecule Studies of Chromatin Structure and Dynamics. , 2009, , 143-171.		0
16	Robust methods for purification of histones from cultured mammalian cells with the preservation of their native modifications. Nucleic Acids Research, 2009, 37, e81-e81.	14.5	39
17	Structure and dynamics of single DNA molecules manipulated by magnetic tweezers and or flow. Methods, 2009, 47, 214-222.	3.8	16
18	Dynamics of individual polymers using microfluidic based microcurvilinear flow. Lab on A Chip, 2009, 9, 2339.	6.0	6

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19	Expedient placement of two fluorescent dyes for investigating dynamic DNA protein interactions in real time. Chromosome Research, 2008, 16, 451-467.	2.2	8
20	cAMP signaling induces rapid loss of histone H3 phosphorylation in mammary adenocarcinoma-derived cell lines. Experimental Cell Research, 2008, 314, 1-10.	2.6	7
21	DNA Helicase Activity of PcrA Is Not Required for the Displacement of RecA Protein from DNA or Inhibition of RecA-Mediated Strand Exchange. Journal of Bacteriology, 2007, 189, 4502-4509.	2.2	31
22	Homebuilt single-molecule scanning confocal fluorescence microscope studies of single DNA/protein interactions. Methods, 2007, 41, 342-352.	3.8	8
23	Single-Molecule Approaches Reveal the Idiosyncrasies of RNA Polymerases. Structure, 2006, 14, 953-966.	3.3	13
24	A Tightly Regulated Molecular Motor Based upon T7 RNA Polymerase. Nano Letters, 2005, 5, 1698-1703.	9.1	24
25	Fast, long-range, reversible conformational fluctuations in nucleosomes revealed by single-pair fluorescence resonance energy transfer. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3278-3283.	7.1	130
26	Chromatin structure and dynamics: lessons from single molecule approaches. New Comprehensive Biochemistry, 2004, 39, 369-396.	0.1	3
27	Single-Molecule Analysis of Chromatin. Methods in Enzymology, 2003, 376, 73-105.	1.0	19
28	Assembly of single chromatin fibers depends on the tension in the DNA molecule: Magnetic tweezers study. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 495-500.	7.1	81
29	Chromatin Fibers, One-at-a-time. Journal of Molecular Biology, 2003, 331, 1-19.	4.2	70
30	Magnetic tweezers: a sensitive tool to study DNA and chromatin at the single-molecule level. Biochemistry and Cell Biology, 2003, 81, 151-159.	2.0	58
31	Stretching and imaging single DNA molecules and chromatin. , 2003, , 377-395.		1
32	Single-Molecule Studies of Chromatin Fibers: A Personal Report.. Archives of Histology and Cytology, 2002, 65, 391-403.	0.2	7
33	Selective Requirements for Histone H3 and H4 N Termini in p300-Dependent Transcriptional Activation from Chromatin. Molecular Cell, 2002, 9, 811-821.	9.7	98
34	Stretching and imaging single DNA molecules and chromatin. Journal of Muscle Research and Cell Motility, 2002, 23, 377-395.	2.0	33
35	Unfolding individual nucleosomes by stretching single chromatin fibers with optical tweezers. Nature Structural Biology, 2001, 8, 606-610.	9.7	265
36	The Archaeal Histone-Fold Protein HMf Organizes DNA into Bona Fide Chromatin Fibers. Structure, 2001, 9, 1201-1211.	3.3	54

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37	DNA methylationâ€dependent chromatin fiber compaction in vivo and in vitro: requirement for linker histone. FASEB Journal, 2001, 15, 2631-2641.	0.5	67
38	Single molecule force spectroscopy in biology using the atomic force microscope. Progress in Biophysics and Molecular Biology, 2000, 74, 37-61.	2.9	348
39	Analysis of Chromatin by Scanning Force Microscopy. , 1999, 119, 143-160.		15
40	The site of binding of linker histone to the nucleosome does not depend upon the amino termini of core histones. Biochimie, 1999, 81, 727-732.	2.6	9
41	Chromatin Structure Revisited. Critical Reviews in Eukaryotic Gene Expression, 1999, 9, 245-255.	0.9	49
42	Chromatin Fiber Structure: Morphology, Molecular Determinants, Structural Transitions. Biophysical Journal, 1998, 74, 2554-2566.	0.5	104
43	Contributions of Linker Histones and Histone H3 to Chromatin Structure: Scanning Force Microscopy Studies on Trypsinized Fibers. Biophysical Journal, 1998, 74, 2823-2829.	0.5	65
44	Linker Histone Tails and N-Tails of Histone H3 Are Redundant: Scanning Force Microscopy Studies of Reconstituted Fibers. Biophysical Journal, 1998, 74, 2830-2839.	0.5	78
45	Visualization and Analysis of Chromatin by Scanning Force Microscopy. Methods, 1997, 12, 73-83.	3.8	46
46	Role of linker histones in extended chromatin fibre structure. Nature Structural Biology, 1994, 1, 761-763.	9.7	46
47	On the Location of Linker DNA in the Chromatin Fiber. Journal of Molecular Biology, 1994, 235, 871-880.	4.2	22
48	Three-dimensional structure of extended chromatin fibers as revealed by tapping-mode scanning force microscopy.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 11621-11625.	7.1	226
49	Linker DNA accessibility in chromatin fibers of different conformations: a reevaluation.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5277-5280.	7.1	76
50	On the Location of Histones H1 and H5 in the Chromatin Fiber. Journal of Molecular Biology, 1993, 229, 917-929.	4.2	34
51	One-step fractionation method for isolating H1 histones from chromatin under nondenaturing conditions. Protein Expression and Purification, 1990, 1, 40-44.	1.3	33