

Han Cao

List of Publications by Year in descending order

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12
papers

2,995
citations

840776

11
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

4576
citing authors

#	ARTICLE	IF	CITATIONS
1	Odijk Excluded Volume Interactions during the Unfolding of DNA Confined in a Nanochannel. <i>Macromolecules</i> , 2018, 51, 1172-1180.	4.8	11
2	High-resolution comparative analysis of great ape genomes. <i>Science</i> , 2018, 360, .	12.6	304
3	Genome-Wide Structural Variation Detection by Genome Mapping on Nanochannel Arrays. <i>Genetics</i> , 2016, 202, 351-362.	2.9	126
4	Distribution of distances between DNA barcode labels in nanochannels close to the persistence length. <i>Journal of Chemical Physics</i> , 2015, 142, 064902.	3.0	43
5	Assembly and diploid architecture of an individual human genome via single-molecule technologies. <i>Nature Methods</i> , 2015, 12, 780-786.	19.0	465
6	Genome mapping on nanochannel arrays for structural variation analysis and sequence assembly. <i>Nature Biotechnology</i> , 2012, 30, 771-776.	17.5	586
7	Single molecule linear analysis of DNA in nano-channel labeled with sequence specific fluorescent probes. <i>Nucleic Acids Research</i> , 2010, 38, e177-e177.	14.5	147
8	The dynamics of genomic-length DNA molecules in 100-nm channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10979-10983.	7.1	458
9	Micro- and nanofluidics for DNA analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1678-1692.	3.7	292
10	Fabrication of 10 nm enclosed nanofluidic channels. <i>Applied Physics Letters</i> , 2002, 81, 174-176.	3.3	312
11	Gradient nanostructures for interfacing microfluidics and nanofluidics. <i>Applied Physics Letters</i> , 2002, 81, 3058-3060.	3.3	199
12	Optically tuned subwavelength resonant grating filter with bacteriorhodopsin overlayer. , 0, , .		2