

Brian Cannon

List of Publications by Year in descending order

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15
papers

303
citations

1040056

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docs citations

15
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Calcium Channel Activity by Lipid Domain Formation in Planar Lipid Bilayers. <i>Biophysical Journal</i> , 2003, 85, 933-942.	0.5	56
2	Visualization of local DNA unwinding by Mre11/Rad50/Nbs1 using single-molecule FRET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18868-18873.	7.1	55
3	Time-Resolved Fluorescence and Fourier Transform Infrared Spectroscopic Investigations of Lateral Packing Defects and Superlattice Domains in Compositionally Uniform Cholesterol/Phosphatidylcholine Bilayers. <i>Biophysical Journal</i> , 2003, 84, 3777-3791.	0.5	39
4	Cholesterol Supports Headgroup Superlattice Domain Formation in Fluid Phospholipid/Cholesterol Bilayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6339-6350.	2.6	30
5	Cholesterol Modulated Antibody Binding in Supported Lipid Membranes as Determined by Total Internal Reflectance Microscopy on a Microfabricated High-throughput Glass Chip. <i>Langmuir</i> , 2005, 21, 9666-9674.	3.5	21
6	Zeptomole detection of DNA nanoparticles by single-molecule fluorescence with magnetic field-directed localization. <i>Analytical Biochemistry</i> , 2012, 431, 40-47.	2.4	18
7	DEAD-Box Helicase Proteins Disrupt RNA Tertiary Structure Through Helix Capture. <i>PLoS Biology</i> , 2014, 12, e1001981.	5.6	18
8	Organization of DNA Partners and Strand Exchange Mechanisms during Flp Site-Specific Recombination Analyzed by Difference Topology, Single Molecule FRET and Single Molecule TPM. <i>Journal of Molecular Biology</i> , 2014, 426, 793-815.	4.2	17
9	A Dual-Mode Single-Molecule Fluorescence Assay for the Detection of Expanded CGG Repeats in Fragile X Syndrome. <i>Molecular Biotechnology</i> , 2013, 53, 19-28.	2.4	10
10	Sequence-Dependent Effects of Monovalent Cations on the Structural Dynamics of Trinucleotide-Repeat DNA Hairpins. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11841-11851.	2.6	10
11	A self consistent normalized calibration protocol for three dimensional magnetic resonance gel dosimetry. <i>Magnetic Resonance Imaging</i> , 2002, 20, 667-679.	1.8	9
12	Differential Effects of Strand Asymmetry on the Energetics and Structural Flexibility of DNA Internal Loops. <i>Biochemistry</i> , 2017, 56, 6448-6459.	2.5	7
13	Hexapeptides That Inhibit Processing of Branched DNA Structures Induce a Dynamic Ensemble of Holliday Junction Conformations. <i>Journal of Biological Chemistry</i> , 2015, 290, 22734-22746.	3.4	6
14	Detection of Mg ²⁺ -dependent, coaxial stacking rearrangements in a bulged three-way DNA junction by single-molecule FRET. <i>Biophysical Chemistry</i> , 2019, 245, 25-33.	2.8	4
15	Acyl-Chain Mismatch Driven Superlattice Arrangements in DPPC/DLPC/Cholesterol Bilayers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10105-10113.	2.6	3