

Ja Yil Lee

List of Publications by Year in descending order

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28
papers

1,207
citations

516710

16
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552781

26
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29
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docs citations

29
times ranked

1514
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering Molecular Mechanism of Histone Assembly by DNA Curtain Technique. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	1
2	Studying R-Loop Recognizing Proteins Using Single-Molecule DNA Curtain Technique and Electrophoretic Mobility Shift Assay. <i>Methods in Molecular Biology</i> , 2022, , 253-269.	0.9	1
3	TonEBP recognizes R-loops and initiates m6A RNA methylation for R-loop resolution. <i>Nucleic Acids Research</i> , 2021, 49, 269-284.	14.5	41
4	A novel high-throughput single-molecule technique: DNA curtain. <i>Journal of the Korean Physical Society</i> , 2021, 78, 442-448.	0.7	4
5	Single-Molecule Imaging Reveals the Mechanism Underlying Histone Loading of <i>Schizosaccharomyces pombe</i> AAA+ ATPase Abo1. <i>Molecules and Cells</i> , 2021, 44, 79-87.	2.6	4
6	Glucosylceramide synthase regulates adipogenic differentiation through synergistic activation of PPAR γ with GlcCer. <i>FASEB Journal</i> , 2020, 34, 1270-1287.	0.5	13
7	High-throughput single-molecule imaging system using nanofabricated trenches and fluorescent DNA-binding proteins. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1640-1648.	3.3	9
8	Transcription reinitiation by recycling RNA polymerase that diffuses on DNA after releasing terminated RNA. <i>Nature Communications</i> , 2020, 11, 450.	12.8	25
9	Single-molecule visualization reveals the damage search mechanism for the human NER protein XPC-RAD23B. <i>Nucleic Acids Research</i> , 2019, 47, 8337-8347.	14.5	46
10	Structural basis of nucleosome assembly by the Abo1 AAA+ATPase histone chaperone. <i>Nature Communications</i> , 2019, 10, 5764.	12.8	36
11	Sequence imperfections and base triplet recognition by the Rad51/RecA family of recombinases. <i>Journal of Biological Chemistry</i> , 2017, 292, 11125-11135.	3.4	26
12	ATP hydrolysis Promotes Duplex DNA Release by the RecA Presynaptic Complex. <i>Journal of Biological Chemistry</i> , 2016, 291, 22218-22230.	3.4	28
13	DNA Sequence Alignment by Microhomology Sampling during Homologous Recombination. <i>Cell</i> , 2015, 160, 856-869.	28.9	182
14	Base triplet stepping by the Rad51/RecA family of recombinases. <i>Science</i> , 2015, 349, 977-981.	12.6	145
15	Single-Molecule Imaging of FtsK Translocation Reveals Mechanistic Features of Protein-Protein Collisions on DNA. <i>Molecular Cell</i> , 2014, 54, 832-843.	9.7	58
16	Tension modulates actin filament polymerization mediated by formin and profilin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9752-9757.	7.1	115
17	Single-molecule imaging of DNA curtains reveals mechanisms of KOPS sequence targeting by the DNA translocase FtsK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6531-6536.	7.1	56
18	Assembly of DNA Curtains Using Hydrogen Silsesquioxane As a Barrier to Lipid Diffusion. <i>Analytical Chemistry</i> , 2012, 84, 7613-7617.	6.5	8

#	ARTICLE	IF	CITATIONS
19	Measuring intermolecular rupture forces with a combined TIRF-optical trap microscope and DNA curtains. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 565-570.	2.1	11
20	Direct observation of the formation of DNA triplexes by single-molecule FRET measurements. <i>Current Applied Physics</i> , 2012, 12, 1027-1032.	2.4	7
21	Assembly of Recombinant Nucleosomes on Nanofabricated DNA Curtains for Single-Molecule Imaging. <i>Methods in Molecular Biology</i> , 2011, 778, 243-258.	0.9	16
22	Dramatic effect of single-base mutation on the conformational dynamics of human telomeric G-quadruplex. <i>Nucleic Acids Research</i> , 2009, 37, 3625-3634.	14.5	34
23	Structural Diversity and Extreme Stability of Unimolecular <i>Oxytricha nova</i> Telomeric G-Quadruplex. <i>Biochemistry</i> , 2008, 47, 3389-3396.	2.5	53
24	Characterization of the Evanescent Field in Objective-Based Total-Internal-Reflection Fluorescence (TIRF) Microscopy. <i>Journal of the Korean Physical Society</i> , 2007, 50, 1340.	0.7	2
25	Extreme conformational diversity in human telomeric DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18938-18943.	7.1	252
26	Male circumcision: a South Korean perspective. <i>BJU International</i> , 2002, 83, 28-33.	2.5	24
27	Two-color picosecond and continuous-wave experiments on anti-Stokes and Stokes carrier-transfer phenomena in $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$ and $\text{InGaP}_2/\text{Al}_x\text{Ga}_{1-x}\text{As}$ heterostructures. <i>Physical Review B</i> , 1999, 60, 8883-8889.	3.2	9
28	Biophysical and Biochemical Approaches for R-Loop Sensing Mechanism. , 0, , .		0