Hung-Wen Li

List of Publications by Year
in descending order

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46	866	516710	501196
papers	citations	16	28
		h-index	g-index

48	48	48	1048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-Molecule Tethered Particle Studies on the DNA Recombinase Filament Assembly and Disassembly. Methods in Molecular Biology, 2021, 2281, 135-149.	0.9	0
2	Identification of fidelity-governing factors in human recombinases DMC1 and RAD51 from cryo-EM structures. Nature Communications, 2021, 12, 115.	12.8	19
3	Single-molecule binding characterization of primosomal protein PriA involved in replication restart. Physical Chemistry Chemical Physics, 2021, 23, 13745-13751.	2.8	2
4	Trichoderma reesei Rad51 tolerates mismatches in hybrid meiosis with diverse genome sequences. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
5	Dynamic DNA Shortening by Telomere-Binding Protein Cdc13. Journal of the American Chemical Society, 2021, 143, 5815-5825.	13.7	7
6	Crosstalk between CST and RPA regulates RAD51 activity during replication stress. Nature Communications, 2021, 12, 6412.	12.8	8
7	Microcephaly family protein MCPH1 stabilizes RAD51 filaments. Nucleic Acids Research, 2020, 48, 9135-9146.	14.5	8
8	Polyamines stimulate RecA-mediated recombination by condensing duplex DNA and stabilizing intermediates. Physical Chemistry Chemical Physics, 2020, 22, 11928-11935.	2.8	2
9	Rad51 facilitates filament assembly of meiosis-specific Dmc1 recombinase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11257-11264.	7.1	24
10	A 5â€²-to-3â€² strand exchange polarity is intrinsic to RecA nucleoprotein filaments in the absence of ATP hydrolysis. Nucleic Acids Research, 2019, 47, 5126-5140.	14.5	16
11	How Chi Sequence Modifies RecBCD Singleâ€Stranded DNA Translocase Activity. ChemPhysChem, 2018, 19, 243-247.	2.1	3
12	Swi5â€“Sfr1 stimulates Rad51 recombinase filament assembly by modulating Rad51 dissociation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10059-E10068.	7.1	27
13	DNA with Different Local Torsional States Affects RecAâ€Mediated Recombination Progression. ChemPhysChem, 2017, 18, 584-590.	2.1	7
14	RecA-SSB Interaction Modulates RecA Nucleoprotein Filament Formation on SSB-Wrapped DNA. Scientific Reports, 2017, 7, 11876.	3.3	31
15	An Efficient Beadâ€captured Denaturation Method for Preparing Long Singleâ€stranded <scp>DNA</scp>. Journal of the Chinese Chemical Society, 2017, 64, 1065-1070.	1.4	2
16	Stable Nuclei of Nucleoprotein Filament and High ssDNA Binding Affinity Contribute to Enhanced RecA E38K Recombinase Activity. Scientific Reports, 2017, 7, 14964.	3.3	7
17	Biomedical Applications of DNAâ€Conjugated Gold Nanoparticles. ChemBioChem, 2016, 17, 1052-1062.	2.6	44
18	Multiple Pif1 helicases are required to sequentially disrupt G-quadruplex structure and unwind duplex DNA. Biochemical and Biophysical Research Communications, 2016, 473, 1235-1239.	2.1	3

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19	Modulation of yeast telomerase activity by Cdc13 and Est1 in vitro. Scientific Reports, 2016, 6, 34104.	3.3	5
20	Sequence-dependent nanometer-scale conformational dynamics of individual RecBCDâ€“DNA complexes. Nucleic Acids Research, 2016, 44, 5849-5860.	14.5	20
21	Biochemical characterization of RecA variants that contribute to extreme resistance to ionizing radiation. DNA Repair, 2015, 26, 30-43.	2.8	22
22	Pif1 regulates telomere length by preferentially removing telomerase from long telomere ends. Nucleic Acids Research, 2014, 42, 8527-8536.	14.5	28
23	Enhancement of ADP release from the RAD51 presynaptic filament by the SWI5-SFR1 complex. Nucleic Acids Research, 2014, 42, 349-358.	14.5	27
24	Crowding Alters the Dynamics and the Length of RecA Nucleoprotein Filaments in RecAâ€Mediated Strand Exchange. ChemPhysChem, 2014, 15, 80-84.	2.1	3
25	Fluorescent silver nanoclusters stabilized by DNA scaffolds. Chemical Communications, 2014, 50, 9800.	4.1	155
26	Sensitive pH probes of retro-self-quenching fluorescent nanoparticles. Journal of Materials Chemistry B, 2013, 1, 2425.	5.8	18
27	Assaying the binding strength of G-quadruplex ligands using single-molecule TPM experiments. Analytical Biochemistry, 2013, 436, 101-108.	2.4	8
28	Using Single-Molecule Approaches To Study Archaeal DNA-Binding Protein Alba1. Biochemistry, 2013, 52, 7714-7722.	2.5	8
29	Direct Observation of RecBCD Helicase as Single-Stranded DNA Translocases. Journal of the American Chemical Society, 2013, 135, 8920-8925.	13.7	20
30	Saltâ€Dependence of Homology Searching Step by RecA Nucleoprotein Filaments. Journal of the Chinese Chemical Society, 2013, 60, 695-698.	1.4	0
31	Investigating Deinococcus radiodurans RecA Protein Filament Formation on Double-Stranded DNA by a Real-Time Single-Molecule Approach. Biochemistry, 2011, 50, 8270-8280.	2.5	32
32	Developing Single-Molecule TPM Experiments for Direct Observation of Successful RecA-Mediated Strand Exchange Reaction. PLoS ONE, 2011, 6, e21359.	2.5	26
33	Mutations Altering the Interplay between GkDnaC Helicase and DNA Reveal an Insight into Helicase Unwinding. PLoS ONE, 2011, 6, e29016.	2.5	4
34	Single-Molecule TPM Studies on the Conversion of Human Telomeric DNA. Biophysical Journal, 2010, 98, 1608-1616.	0.5	19
35	Studying RecBCD Helicase Translocation Along Ï‡-DNA Using Tethered Particle Motion with a Stretching Force. Biophysical Journal, 2009, 96, 1875-1883.	0.5	31
36	Single-Molecule Studies of RecBCD. Methods in Molecular Biology, 2009, 587, 155-172.	0.9	1

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37	Differences in the IR Methylene Rocking Bands between the Crystalline Fatty Acids and n-Alkanes:â€‰ Frequencies, Intensities, and Correlation Splitting. Journal of Physical Chemistry A, 2004, 108, 6629-6642.	2.5	27
38	Forward and Reverse Motion of Single RecBCD Molecules on DNA. Biophysical Journal, 2004, 86, 1640-1648.	0.5	134
39	Infrared Hole Burning of the Amino Group in Amino Acid and Peptide Salts. Journal of Physical Chemistry B, 2001, 105, 2250-2255.	2.6	5
40	Comparison of the Structures of Ammonium Myristate, Palmitate, and Stearate by X-ray Diffraction, Infrared Spectroscopy, and Infrared Hole Burning. Journal of Physical Chemistry B, 1999, 103, 10461-10468.	2.6	13
41	Vibrations of the Amino Group in Glycine Hydrochloride:Â Spectral Hole Burning and Isotope Shifts. Journal of Physical Chemistry B, 1998, 102, 298-302.	2.6	18
42	Infrared Spectral Hole Burning and Change of Conformation in Simple Amino Acid Salts. Journal of Physical Chemistry B, 1997, 101, 5484-5486.	2.6	3
43	Persistent Infrared Hole Burning of Ammonium Stearate. Journal of Physical Chemistry A, 1997, 101, 8009-8012.	2.5	7
44	Picosecond time-resolved CSRS study of vibrational dephasing of bulk modes perturbed by electronic state of dilute impurities. Chemical Physics Letters, 1993, 213, 564-570.	2.6	1
45	Multiplex picosecond coherent Stokes raman spectroscopy of pentacene doped in naphthalene. Chemical Physics Letters, 1992, 197, 476-481.	2.6	3
46	Temperature-dependent vibrational relaxation in isotopically mixed molecular crystals by picosecond CARS. Chemical Physics Letters, 1991, 187, 208-214.	2.6	9