

Hung-Wen Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5083555/publications.pdf>

Version: 2024-02-01

46
papers

866
citations

516710

16
h-index

501196

28
g-index

48
all docs

48
docs citations

48
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent silver nanoclusters stabilized by DNA scaffolds. <i>Chemical Communications</i> , 2014, 50, 9800.	4.1	155
2	Forward and Reverse Motion of Single RecBCD Molecules on DNA. <i>Biophysical Journal</i> , 2004, 86, 1640-1648.	0.5	134
3	Biomedical Applications of DNA-Conjugated Gold Nanoparticles. <i>ChemBioChem</i> , 2016, 17, 1052-1062.	2.6	44
4	Investigating <i>Deinococcus radiodurans</i> RecA Protein Filament Formation on Double-Stranded DNA by a Real-Time Single-Molecule Approach. <i>Biochemistry</i> , 2011, 50, 8270-8280.	2.5	32
5	Studying RecBCD Helicase Translocation Along λ -DNA Using Tethered Particle Motion with a Stretching Force. <i>Biophysical Journal</i> , 2009, 96, 1875-1883.	0.5	31
6	RecA-SSB Interaction Modulates RecA Nucleoprotein Filament Formation on SSB-Wrapped DNA. <i>Scientific Reports</i> , 2017, 7, 11876.	3.3	31
7	Pif1 regulates telomere length by preferentially removing telomerase from long telomere ends. <i>Nucleic Acids Research</i> , 2014, 42, 8527-8536.	14.5	28
8	Differences in the IR Methylene Rocking Bands between the Crystalline Fatty Acids and n-Alkanes: δ Frequencies, Intensities, and Correlation Splitting. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6629-6642.	2.5	27
9	Enhancement of ADP release from the RAD51 presynaptic filament by the SWI5-SFR1 complex. <i>Nucleic Acids Research</i> , 2014, 42, 349-358.	14.5	27
10	Swi5-Sfr1 stimulates Rad51 recombinase filament assembly by modulating Rad51 dissociation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10059-E10068.	7.1	27
11	Developing Single-Molecule TPM Experiments for Direct Observation of Successful RecA-Mediated Strand Exchange Reaction. <i>PLoS ONE</i> , 2011, 6, e21359.	2.5	26
12	Rad51 facilitates filament assembly of meiosis-specific Dmc1 recombinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11257-11264.	7.1	24
13	Biochemical characterization of RecA variants that contribute to extreme resistance to ionizing radiation. <i>DNA Repair</i> , 2015, 26, 30-43.	2.8	22
14	Direct Observation of RecBCD Helicase as Single-Stranded DNA Translocases. <i>Journal of the American Chemical Society</i> , 2013, 135, 8920-8925.	13.7	20
15	Sequence-dependent nanometer-scale conformational dynamics of individual RecBCD-DNA complexes. <i>Nucleic Acids Research</i> , 2016, 44, 5849-5860.	14.5	20
16	Single-Molecule TPM Studies on the Conversion of Human Telomeric DNA. <i>Biophysical Journal</i> , 2010, 98, 1608-1616.	0.5	19
17	Identification of fidelity-governing factors in human recombinases DMC1 and RAD51 from cryo-EM structures. <i>Nature Communications</i> , 2021, 12, 115.	12.8	19
18	Vibrations of the Amino Group in Glycine Hydrochloride: δ Spectral Hole Burning and Isotope Shifts. <i>Journal of Physical Chemistry B</i> , 1998, 102, 298-302.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Sensitive pH probes of retro-self-quenching fluorescent nanoparticles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2425.	5.8	18
20	A 5â€²-to-3â€² strand exchange polarity is intrinsic to RecA nucleoprotein filaments in the absence of ATP hydrolysis. <i>Nucleic Acids Research</i> , 2019, 47, 5126-5140.	14.5	16
21	Comparison of the Structures of Ammonium Myristate, Palmitate, and Stearate by X-ray Diffraction, Infrared Spectroscopy, and Infrared Hole Burning. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10461-10468.	2.6	13
22	Temperature-dependent vibrational relaxation in isotopically mixed molecular crystals by picosecond CARS. <i>Chemical Physics Letters</i> , 1991, 187, 208-214.	2.6	9
23	Assaying the binding strength of G-quadruplex ligands using single-molecule TPM experiments. <i>Analytical Biochemistry</i> , 2013, 436, 101-108.	2.4	8
24	Using Single-Molecule Approaches To Study Archaeal DNA-Binding Protein Alba1. <i>Biochemistry</i> , 2013, 52, 7714-7722.	2.5	8
25	Microcephaly family protein MCPH1 stabilizes RAD51 filaments. <i>Nucleic Acids Research</i> , 2020, 48, 9135-9146.	14.5	8
26	<i>Trichoderma reesei</i> Rad51 tolerates mismatches in hybrid meiosis with diverse genome sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
27	Crosstalk between CST and RPA regulates RAD51 activity during replication stress. <i>Nature Communications</i> , 2021, 12, 6412.	12.8	8
28	Persistent Infrared Hole Burning of Ammonium Stearate. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8009-8012.	2.5	7
29	DNA with Different Local Torsional States Affects RecA-Mediated Recombination Progression. <i>ChemPhysChem</i> , 2017, 18, 584-590.	2.1	7
30	Stable Nuclei of Nucleoprotein Filament and High ssDNA Binding Affinity Contribute to Enhanced RecA E38K Recombinase Activity. <i>Scientific Reports</i> , 2017, 7, 14964.	3.3	7
31	Dynamic DNA Shortening by Telomere-Binding Protein Cdc13. <i>Journal of the American Chemical Society</i> , 2021, 143, 5815-5825.	13.7	7
32	Infrared Hole Burning of the Amino Group in Amino Acid and Peptide Salts. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2250-2255.	2.6	5
33	Modulation of yeast telomerase activity by Cdc13 and Est1 in vitro. <i>Scientific Reports</i> , 2016, 6, 34104.	3.3	5
34	Mutations Altering the Interplay between GkDnaC Helicase and DNA Reveal an Insight into Helicase Unwinding. <i>PLoS ONE</i> , 2011, 6, e29016.	2.5	4
35	Multiplex picosecond coherent Stokes raman spectroscopy of pentacene doped in naphthalene. <i>Chemical Physics Letters</i> , 1992, 197, 476-481.	2.6	3
36	Infrared Spectral Hole Burning and Change of Conformation in Simple Amino Acid Salts. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5484-5486.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Crowding Alters the Dynamics and the Length of RecA Nucleoprotein Filaments in RecA-Mediated Strand Exchange. <i>ChemPhysChem</i> , 2014, 15, 80-84.	2.1	3
38	Multiple Pif1 helicases are required to sequentially disrupt G-quadruplex structure and unwind duplex DNA. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 1235-1239.	2.1	3
39	How Chi Sequence Modifies RecBCD Single-Stranded DNA Translocase Activity. <i>ChemPhysChem</i> , 2018, 19, 243-247.	2.1	3
40	An Efficient Bead-Captured Denaturation Method for Preparing Long Single-Stranded DNA. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 1065-1070.	1.4	2
41	Polyamines stimulate RecA-mediated recombination by condensing duplex DNA and stabilizing intermediates. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11928-11935.	2.8	2
42	Single-molecule binding characterization of primosomal protein PriA involved in replication restart. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13745-13751.	2.8	2
43	Picosecond time-resolved CSRS study of vibrational dephasing of bulk modes perturbed by electronic state of dilute impurities. <i>Chemical Physics Letters</i> , 1993, 213, 564-570.	2.6	1
44	Single-Molecule Studies of RecBCD. <i>Methods in Molecular Biology</i> , 2009, 587, 155-172.	0.9	1
45	Salt-Dependence of Homology Searching Step by RecA Nucleoprotein Filaments. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 695-698.	1.4	0
46	Single-Molecule Tethered Particle Studies on the DNA Recombinase Filament Assembly and Disassembly. <i>Methods in Molecular Biology</i> , 2021, 2281, 135-149.	0.9	0