

Linda Jen-Jacobson

List of Publications by Year in descending order

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37
papers

1,744
citations

394421

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docs citations

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times ranked

1344
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Ion Binding at the Catalytic Site Induces Widely Distributed Changes in a Sequence Specific Proteinâ€“DNA Complex. <i>Biochemistry</i> , 2016, 55, 6115-6132.	2.5	6
2	Restriction Cascade Exponential Amplification (RCEA) assay with an attomolar detection limit: a novel, highly specific, isothermal alternative to qPCR. <i>Scientific Reports</i> , 2015, 5, 7737.	3.3	6
3	Insights into copper coordination in the EcoRIâ€“DNA complex by ESR spectroscopy. <i>Molecular Physics</i> , 2014, 112, 3173-3182.	1.7	8
4	Thermodynamic and Structural Basis for Relaxation of Specificity in Proteinâ€“DNA Recognition. <i>Journal of Molecular Biology</i> , 2014, 426, 84-104.	4.2	10
5	Divide and conquer is always best: sensitivity of methyl correlation experiments. <i>Journal of Biomolecular NMR</i> , 2013, 56, 331-335.	2.8	7
6	Sensitive Cu ²⁺ â€“Cu ²⁺ Distance Measurements in a Proteinâ€“DNA Complex by Double-Quantum Coherence ESR. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6227-6230.	2.6	28
7	ESR spectroscopy identifies inhibitory Cu ²⁺ sites in a DNA-modifying enzyme to reveal determinants of catalytic specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E993-1000.	7.1	70
8	Simulating the Dynamics and Orientations of Spin-Labeled Side Chains in a Proteinâ€“DNA Complex. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4024-4033.	2.6	30
9	Differential Temperature-Dependent Multimeric Assemblies of Replication and Repair Polymerases on DNA Increase Processivity. <i>Biochemistry</i> , 2012, 51, 7367-7382.	2.5	17
10	The Energetic Contribution of Induced Electrostatic Asymmetry to DNA Bending by a Site-Specific Protein. <i>Journal of Molecular Biology</i> , 2011, 406, 285-312.	4.2	18
11	Specific Labeling of Threonine Methyl Groups for NMR Studies of Proteinâ€“Nucleic Acid Complexes. <i>Biochemistry</i> , 2011, 50, 10189-10191.	2.5	25
12	Single-molecule sequence detection via microfluidic planar extensional flow at a stagnation point. <i>Lab on A Chip</i> , 2010, 10, 1543.	6.0	61
13	A trimeric DNA polymerase complex increases the native replication processivity. <i>Nucleic Acids Research</i> , 2009, 37, 7194-7205.	14.5	19
14	Fluorescent Marker for Direct Detection of Specific dsDNA Sequences. <i>Analytical Chemistry</i> , 2009, 81, 10049-10054.	6.5	24
15	Electron Spin Resonance Shows Common Structural Features for Different Classes of EcoRIâ€“DNA Complexes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 10192-10194.	13.8	31
16	Chapter 2. Role of Water and Effects of Small Ions in Site-specific Protein-DNA Interactions. <i>RSC Biomolecular Sciences</i> , 2008, , 13-46.	0.4	10
17	Formation of DNAâ€“Protein Cross-Links Between Î³-Hydroxypropanodeoxyguanosine and EcoRI. <i>Chemical Research in Toxicology</i> , 2008, 21, 1733-1738.	3.3	17
18	Structural and Thermodynamic Basis for Enhanced DNA Binding by a Promiscuous Mutant EcoRI Endonuclease. <i>Structure</i> , 2007, 15, 1368-1382.	3.3	14

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19	Thermodynamic and Kinetic Basis for the Relaxed DNA Sequence Specificity of "Promiscuous" Mutant EcoRI Endonucleases. <i>Journal of Molecular Biology</i> , 2005, 348, 307-324.	4.2	20
20	Mechanisms of Coupling between DNA Recognition Specificity and Catalysis in EcoRI Endonuclease. <i>Structure</i> , 2004, 12, 1775-1788.	3.3	49
21	Recognition of the Pro-mutagenic Base Uracil by Family B DNA Polymerases from Archaea. <i>Journal of Molecular Biology</i> , 2004, 337, 621-634.	4.2	38
22	Assay of Restriction Endonucleases Using Oligonucleotides. , 2001, 148, 465-490.		9
23	The energetics of the interaction of BamHI endonuclease with its recognition site GGATCC11Edited by R. Ebright. <i>Journal of Molecular Biology</i> , 2001, 307, 619-636.	4.2	79
24	Solution Conformation ofEcoRI Restriction Endonuclease Changes upon Binding of Cognate DNA and Mg ²⁺ +Cofactor". <i>Biochemistry</i> , 2001, 40, 683-692.	2.5	19
25	Structural and Thermodynamic Strategies for Site-Specific DNA Binding Proteins. <i>Structure</i> , 2000, 8, 1015-1023.	3.3	245
26	Thermodynamic Parameters of Specific and Nonspecific Protein-DNA Binding. <i>Supramolecular Chemistry</i> , 2000, 12, 143-160.	1.2	63
27	N-Termini of EcoRI Restriction Endonuclease Dimer Are in Close Proximity on the Protein Surface. <i>Biochemistry</i> , 1998, 37, 15457-15465.	2.5	19
28	Specific binding by EcoRV endonuclease to its DNA recognition site GATATC. <i>Journal of Molecular Biology</i> , 1997, 269, 82-101.	4.2	106
29	Protein"DNA recognition complexes: Conservation of structure and binding energy in the transition state. <i>Biopolymers</i> , 1997, 44, 153-180.	2.4	177
30	Chiral Phosphorothioates as Probes of Protein Interactions with Individual DNA Phosphoryl Oxygens:Â Essential Interactions ofEcoRI Endonuclease with the Phosphate at pGAATTC". <i>Biochemistry</i> , 1996, 35, 8846-8854.	2.5	40
31	[14] Structural-perturbation approaches to thermodynamics of site-specific protein"DNA interactions. <i>Methods in Enzymology</i> , 1995, 259, 305-344.	1.0	35
32	The enfolding arms of EcoRI endonuclease: Role in DNA binding and cleavage. <i>Cell</i> , 1986, 45, 619-629.	28.9	81
33	The relationship between translational initiation and messenger RNA inactivation in down-shifted <i>Escherichia coli</i> . <i>Archives of Biochemistry and Biophysics</i> , 1985, 241, 118-131.	3.0	5
34	Two-Fold Symmetry of Crystalline DNA- <i>EcoRI</i> Endonuclease Recognition Complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 1984, 1, 1149-1160.	3.5	13
35	Kinked DNA in crystalline complex with EcoRI endonuclease. <i>Nature</i> , 1984, 309, 327-331.	27.8	328
36	Posttranscriptional Control of Protein Synthesis during Substrate Adaptation. , 1982, , 191-204.		0

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37	Control of protein synthesis in Escherichia coli: Lack of correlation with changes in intracellular pools of ATP, GTP, and ppGpp. Archives of Biochemistry and Biophysics, 1980, 203, 691-696.	3.0	4