

Enoch P Baldwin

List of Publications by Year in descending order

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32
papers

2,138
citations

304743

22
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

2415
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand binding and activation of the Ah receptor. <i>Chemico-Biological Interactions</i> , 2002, 141, 3-24.	4.0	395
2	The response of T4 lysozyme to large- and small substitutions within the core and its relation to the hydrophobic effect. <i>Protein Science</i> , 1998, 7, 158-177.	7.6	216
3	Human CTP synthase filament structure reveals the active enzyme conformation. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 507-514.	8.2	161
4	Large-scale filament formation inhibits the activity of CTP synthetase. <i>ELife</i> , 2014, 3, e03638.	6.0	159
5	Quantitative analysis of TALE-DNA interactions suggests polarity effects. <i>Nucleic Acids Research</i> , 2013, 41, 4118-4128.	14.5	153
6	Crystal Structure of <i>Escherichia coli</i> Cytidine Triphosphate Synthetase, a Nucleotide-Regulated Glutamine Amidotransferase/ATP-Dependent Amidoligase Fusion Protein and Homologue of Anticancer and Antiparasitic Drug Targets. <i>Biochemistry</i> , 2004, 43, 6447-6463.	2.5	112
7	Access of ligands to cavities within the core of a protein is rapid. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 516-521.	8.2	104
8	Thermodynamic and Structural Compensation in Size-switch Core Repacking Variants of Bacteriophage T4 Lysozyme. <i>Journal of Molecular Biology</i> , 1996, 259, 542-559.	4.2	85
9	Mechanisms of Product Feedback Regulation and Drug Resistance in Cytidine Triphosphate Synthetases from the Structure of a CTP-Inhibited Complex. <i>Biochemistry</i> , 2005, 44, 13491-13499.	2.5	71
10	Quasi-equivalence in site-specific recombinase structure and function: crystal structure and activity of trimeric cre recombinase bound to a three-way lox DNA junction 1 Edited by K. Morikawa. <i>Journal of Molecular Biology</i> , 2001, 313, 49-69.	4.2	62
11	Core-packing constraints, hydrophobicity and protein design. <i>Current Opinion in Biotechnology</i> , 1994, 5, 396-402.	6.6	57
12	The Order of Strand Exchanges in Cre-LoxP Recombination and its Basis Suggested by the Crystal Structure of a Cre-LoxP Holliday Junction Complex. <i>Journal of Molecular Biology</i> , 2002, 319, 107-127.	4.2	56
13	Mechanism of DNA Compaction by Yeast Mitochondrial Protein Abf2p. <i>Biophysical Journal</i> , 2004, 86, 1632-1639.	0.5	56
14	Packaging of Single DNA Molecules by the Yeast Mitochondrial Protein Abf2p. <i>Biophysical Journal</i> , 2003, 85, 2519-2524.	0.5	53
15	Generation of ligand binding sites in T4 lysozyme by deficiency-creating substitutions. <i>Journal of Molecular Biology</i> , 1998, 277, 467-485.	4.2	48
16	Structural and thermodynamic analysis of the binding of solvent at internal sites in T4 lysozyme. <i>Protein Science</i> , 2001, 10, 1067-1078.	7.6	44
17	Expression of Human CTP Synthetase in <i>Saccharomyces cerevisiae</i> Reveals Phosphorylation by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 2005, 280, 38328-38336.	3.4	39
18	Real-time fluorescence assays to monitor duplex unwinding and ATPase activities of helicases. <i>Nature Protocols</i> , 2014, 9, 1645-1661.	12.0	37

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19	Phosphorylation of Human CTP Synthetase 1 by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2007, 282, 17613-17622.	3.4	33
20	A Specificity Switch in Selected Cre Recombinase Variants Is Mediated by Macromolecular Plasticity and Water. <i>Chemistry and Biology</i> , 2003, 10, 1085-1094.	6.0	31
21	Dissection of protein structure and folding by directed mutagenesis. <i>Faraday Discussions</i> , 1992, 93, 173.	3.2	27
22	Inhibition of <i>Escherichia coli</i> CTP Synthetase by NADH and Other Nicotinamides and Their Mutual Interactions with CTP and GTP. <i>Biochemistry</i> , 2016, 55, 5554-5565.	2.5	27
23	Modulation of the Active Complex Assembly and Turnover Rate by Protein-DNA Interactions in Cre-LoxP Recombination. <i>Biochemistry</i> , 2003, 42, 6814-6826.	2.5	22
24	Reversed DNA Strand Cleavage Specificity in Initiation of Cre-LoxP Recombination Induced by the His289Ala Active-site Substitution. <i>Journal of Molecular Biology</i> , 2005, 354, 233-245.	4.2	18
25	Two Surfaces of a Conserved Interdomain Linker Differentially Affect Output from the RST Sensing Module of the <i>Bacillus subtilis</i> Stressosome. <i>Journal of Bacteriology</i> , 2012, 194, 3913-3921.	2.2	15
26	An Improved Synthesis of 2-Methyl-4-(2'-carboxyethyl)pyrrole. Potential Inhibitors of Porphobilinogen Deaminase. <i>Heterocycles</i> , 1984, 22, 1747.	0.7	13
27	Substitutions in the Presumed Sensing Domain of the <i>Bacillus subtilis</i> Stressosome Affect Its Basal Output but Not Response to Environmental Signals. <i>Journal of Bacteriology</i> , 2011, 193, 3588-3597.	2.2	12
28	Spatially Directed Assembly of a Heterotetrameric Cre-Lox Synapse Restricts Recombination Specificity. <i>Journal of Molecular Biology</i> , 2008, 378, 653-665.	4.2	11
29	Multiple Levels of Affinity-Dependent DNA Discrimination in Cre-LoxP Recombination. <i>Biochemistry</i> , 2006, 45, 12216-12226.	2.5	9
30	Conformational Elasticity can Facilitate TALE-DNA Recognition. <i>Advances in Protein Chemistry and Structural Biology</i> , 2014, 94, 347-364.	2.3	5
31	Vanadate-based transition-state analog inhibitors of Cre-LoxP recombination. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 529-534.	2.1	3
32	Construction and Functional Selection of a T4 Lysozyme Gene Library Randomly Mutagenized at Five Specific Sites. , 1993, , 499-507.		3