

Cynthia M Dupureur

List of Publications by Year in descending order

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43
papers

991
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471509

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docs citations

48
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Studies of λ^1 - and λ^2 -[Ru(phen) ₂ dppz] ²⁺ -Bound to d(GTCGAC) ₂ : Characterization of Enantioselective Intercalation. <i>Inorganic Chemistry</i> , 1997, 36, 33-43.	4.0	270
2	Roles of metal ions in nucleases. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 250-255.	6.1	90
3	One is enough: insights into the two-metal ion nuclease mechanism from global analysis and computational studies. <i>Metallomics</i> , 2010, 2, 609.	2.4	51
4	Differential effects of isomeric incorporation of fluorophenylalanines into PvuII endonuclease. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 45, 55-61.	2.6	48
5	The First Total Synthesis of (λ^1)-Cyclophostin and (λ^2)-Cyclipostin P: Inhibitors of the Serine Hydrolases Acetyl Cholinesterase and Hormone Sensitive Lipase. <i>Organic Letters</i> , 2011, 13, 3094-3097.	4.6	36
6	Dissecting the Metal Ion Dependence of DNA Binding by PvuII Endonuclease. <i>Biochemistry</i> , 2002, 41, 1335-1342.	2.5	33
7	Synthesis and kinetic analysis of some phosphonate analogs of cyclophostin as inhibitors of human acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2265-2274.	3.0	30
8	Effects of divalent metal ions on the activity and conformation of native and 3-fluorotyrosine-PvuII endonucleases. <i>FEBS Journal</i> , 1999, 261, 261-268.	0.2	29
9	Multiple Metal Ions Drive DNA Association by PvuII Endonuclease. <i>Biochemistry</i> , 2002, 41, 14848-14855.	2.5	29
10	Synthesis and Biological Evaluation of a Phosphonate Analog of the Natural Acetyl Cholinesterase Inhibitor Cyclophostin. <i>Journal of Organic Chemistry</i> , 2008, 73, 8386-8391.	3.2	29
11	A Catalytically Deficient Active Site Variant of PvuII Endonuclease Binds Mg(II) Ions. <i>Biochemistry</i> , 2000, 39, 10921-10927.	2.5	26
12	One- and Two-Metal Ion Catalysis: Global Single-Turnover Kinetic Analysis of the PvuII Endonuclease Mechanism. <i>Biochemistry</i> , 2008, 47, 12540-12550.	2.5	26
13	Rat hormone sensitive lipase inhibition by cyclipostins and their analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 944-952.	3.0	26
14	Investigation of Restriction Enzyme Cofactor Requirements: A Relationship between Metal Ion Properties and Sequence Specificity. <i>Biochemistry</i> , 2003, 42, 12643-12653.	2.5	24
15	The PD... (D/E)XK Motif in Restriction Enzymes: A Link between Function and Conformation. <i>Biochemistry</i> , 2001, 40, 387-394.	2.5	22
16	Binding studies of a large antiviral polyamide to a natural HPV sequence. <i>Biochimie</i> , 2014, 102, 83-91.	2.6	22
17	Synthesis and comparison of the biological activity of monocyclic phosphonate, difluorophosphonate and phosphate analogs of the natural AChE inhibitor cyclophostin. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7529-7534.	3.0	19
18	Promoter scanning of the human COX-2 gene with 8-ring polyamides: Unexpected weakening of polyamide-DNA binding and selectivity by replacing an internal N-Me-pyrrole with λ^2 -alanine. <i>Biochimie</i> , 2013, 95, 271-279.	2.6	18

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19	NMR Studies of Restriction Enzyme~DNA Interactions: A Role of Conformation in Sequence Specificity. <i>Biochemistry</i> , 2005, 44, 5065-5074.	2.5	14
20	Fluorescence assay of polyamide~DNA interactions. <i>Analytical Biochemistry</i> , 2012, 423, 178-183.	2.4	13
21	Structural Insights into the Interaction between a Potent Anti-inflammatory Protein, Viral CC Chemokine Inhibitor (vCCI), and the Human CC Chemokine, Eotaxin-1. <i>Journal of Biological Chemistry</i> , 2014, 289, 6592-6603.	3.4	13
22	Kinetic analysis of product release and metal ions in a metalloenzyme. <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 1-9.	3.0	12
23	Lanthanide Spectroscopic Studies of the Dinuclear and Mg(II)-Dependent PvuII Restriction Endonuclease. <i>Biochemistry</i> , 2004, 43, 15286-15295.	2.5	11
24	Interactions of two large antiviral polyamides with the long control region of HPV16. <i>Biochimie</i> , 2016, 127, 103-114.	2.6	11
25	An Integrated Look at Metalloenzyme Mechanism. <i>Current Chemical Biology</i> , 2008, 2, 159-173.	0.5	10
26	DNA targeting and cleavage by an engineered metalloprotein dimer. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 387-398.	2.6	8
27	Uncoupling metalloenzyme metal ion binding sites via nudge mutagenesis. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 557-569.	2.6	7
28	An Integrated Look at Metalloenzyme Mechanism. <i>Current Chemical Biology</i> , 2008, 2, 159-173.	0.5	7
29	Spectroscopic investigation and direct comparison of the reactivities of iron pyridyl oxidation catalysts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 130-137.	3.9	7
30	Thermodynamics and site stoichiometry of DNA binding by a large antiviral hairpin polyamide. <i>Biochimie</i> , 2019, 157, 149-157.	2.6	7
31	Binding and Conformational Analysis of Phosphoramidate~Restriction Enzyme Interactions. <i>Biochemistry</i> , 2004, 43, 8551-8559.	2.5	6
32	Characterizing metalloenzyme mixed metal complexes by global kinetic analysis. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 533-545.	2.6	5
33	Nucleophile activation in PD~(D/E)xK metalloenzymes: An experimental and computational pKa study. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 665-672.	3.5	5
34	Group 14 Metallfluorenes as Sensitive Luminescent Probes of Surfactants in Aqueous Solution. <i>Journal of Fluorescence</i> , 2021, 31, 961-969.	2.5	5
35	Stereospecific cholinesterase inhibition by O , S -diethylphenylphosphonothioate. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3053-3058.	3.0	4
36	Biophysical and Computational Studies of the vCCI:vMIP-II Complex. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1778.	4.1	4

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37	Mapping small DNA ligand hydroxyl radical footprinting and affinity cleavage products for capillary electrophoresis. <i>Analytical Biochemistry</i> , 2013, 439, 99-101.	2.4	3
38	DNA binding site kinetics of a large antiviral polyamide. <i>Biochimie</i> , 2021, 185, 146-154.	2.6	3
39	DNA binding thermodynamics and site stoichiometry as a function of polyamide size. <i>Biochimie</i> , 2019, 165, 170-178.	2.6	2
40	Unique ³¹ P Spectral Response to the Formation of a Specific Restriction Enzyme-DNA Complex. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 747-764.	1.1	1
41	Group 14 Metallafluorenes for Lipid Structure Detection and Cellular Imaging. , 2021, 5, .		1
42	Metal ion and DNA binding by single-chain PvuII endonuclease: lessons from the linker. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 1269-1278.	2.6	0
43	Size matters: DNA binding site kinetics as a function of polyamide size. <i>Biochimie</i> , 2022, 199, 123-129.	2.6	0