

Mark A Griep

List of Publications by Year in descending order

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33
papers

540
citations

687363

13
h-index

677142

22
g-index

35
all docs

35
docs citations

35
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical Development of DnaG Primase as a Novel Narrow-Spectrum Antibiotic Target. ACS Omega, 2022, 7, 8420-8428.	3.5	1
2	Overview of Best Practices for Chemistry REU Programs. ACS Symposium Series, 2018, , 1-16.	0.5	3
3	Coordination of the Chemistry REU Program at the University of Nebraska~Lincoln. ACS Symposium Series, 2018, , 139-156.	0.5	0
4	Identification of a Ligand-Binding Site on the <i>Staphylococcus aureus</i> DnaG Primase C-Terminal Domain. Biochemistry, 2017, 56, 932-943.	2.5	2
5	<i>An Inconvenient Truth</i>~Is It Still Effective at Familiarizing Students with Global Warming?. Journal of Chemical Education, 2016, 93, 1886-1893.	2.3	3
6	Close encounters with creative chemical thinking: An outreach presentation using movie clips about the elemental composition of aliens and extraterrestrial minerals. Educacion Quimica, 2016, 27, 154-162.	0.1	1
7	Using Movie Clips To Teach Chemistry Formally and Informally. ACS Symposium Series, 2013, , 199-213.	0.5	3
8	Renovating Four General Chemistry Laboratory Rooms at the University of Nebraska-Lincoln. ACS Symposium Series, 2013, , 75-90.	0.5	0
9	Put Some Movie Wow! in Your Chemistry Teaching. Journal of Chemical Education, 2012, 89, 1138-1143.	2.3	27
10	¹ H, ¹³ C, and ¹⁵ N NMR assignments for the helicase interaction domain of Staphylococcus aureus DnaG primase. Biomolecular NMR Assignments, 2012, 6, 35-38.	0.8	2
11	Bacterial protein structures reveal phylum dependent divergence. Computational Biology and Chemistry, 2011, 35, 24-33.	2.3	10
12	Protein structure-based method for identifying horizontal gene transfer. , 2011, , .		0
13	Class-specific restrictions define primase interactions with DNA template and replicative helicase. Nucleic Acids Research, 2010, 38, 7167-7178.	14.5	16
14	PROFESS: a PROtein Function, Evolution, Structure and Sequence database. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq011-baq011.	3.0	6
15	Allosteric regulation of the primase (DnaG) activity by the clamp~loader (I,,) <i>in vitro</i>. Molecular Microbiology, 2009, 72, 537-549.	2.5	8
16	ReAction!. , 2009, , .		10
17	Conserved residues of the C~terminal p16 domain of primase are involved in modulating the activity of the bacterial primosome. Molecular Microbiology, 2008, 68, 360-371.	2.5	16
18	<i>Staphylococcus aureus</i> primase has higher initiation specificity, interacts with single~stranded DNA stronger, but is less stimulated by its helicase than <i>Escherichia coli</i> primase. Molecular Microbiology, 2008, 68, 1570-1582.	2.5	16

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19	Hyperthermophilic <i>Aquifex aeolicus</i> initiates primer synthesis on a limited set of trinucleotides comprised of cytosines and guanines. <i>Nucleic Acids Research</i> , 2008, 36, 5260-5269.	14.5	12
20	Myricetin inhibits <i>Escherichia coli</i> DnaB helicase but not primase. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7203-7208.	3.0	54
21	Domain swapping reveals that the C- and N-terminal domains of DnaG and DnaB, respectively, are functional homologues. <i>Molecular Microbiology</i> , 2007, 63, 1629-1639.	2.5	15
22	<i>Staphylococcus aureus</i> Helicase but Not <i>Escherichia coli</i> Helicase Stimulates <i>S. aureus</i> Primase Activity and Maintains Initiation Specificity. <i>Journal of Bacteriology</i> , 2006, 188, 4673-4680.	2.2	26
23	Fluorometric assay for bacterial primases. <i>Analytical Biochemistry</i> , 2005, 339, 353-355.	2.4	15
24	The cytolethal distending toxin B sub-unit of <i>Helicobacter hepaticus</i> a Ca ²⁺ - and Mg ²⁺ -dependent neutral nuclease. <i>FEMS Microbiology Letters</i> , 2005, 251, 219-225.	1.8	19
25	A macroscopic kinetic model for DNA polymerase elongation and high-fidelity nucleotide selection. <i>Computational Biology and Chemistry</i> , 2005, 29, 101-110.	2.3	8
26	Based on a True Story: Using Movies as Source Material for General Chemistry Reports. <i>Journal of Chemical Education</i> , 2005, 82, 1501.	2.3	15
27	Thermally denaturing high-performance liquid chromatography analysis of primase activity. <i>Analytical Biochemistry</i> , 2004, 332, 330-336.	2.4	14
28	DnaB Helicase Affects the Initiation Specificity of <i>Escherichia coli</i> Primase on Single-Stranded DNA Templates. <i>Biochemistry</i> , 2000, 39, 745-752.	2.5	40
29	DnaB Helicase Stimulates Primer Synthesis Activity on Short Oligonucleotide Templates. <i>Biochemistry</i> , 2000, 39, 736-744.	2.5	64
30	The role of the 6 lysines and the terminal amine of <i>Escherichia coli</i> single-strand binding protein in its binding of single-stranded DNA. <i>Protein Science</i> , 1998, 7, 1781-1788.	7.6	23
31	The Role of Zinc and the Reactivity of Cysteines in <i>Escherichia coli</i> Primase. <i>Biochemistry</i> , 1996, 35, 8260-8267.	2.5	34
32	Primer synthesis kinetics by <i>Escherichia coli</i> primase on single-stranded DNA templates. <i>Biochemistry</i> , 1995, 34, 16097-16106.	2.5	55
33	Magnesium Acetate Induces a Conformational Change in <i>Escherichia coli</i> Primase. <i>Biochemistry</i> , 1995, 34, 16708-16714.	2.5	12