Joanna Timmins

List of Publications by Year in descending order

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Version: 2024-02-01

41 papers	1,900 citations	279798 23 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	2036 citing authors

#	Article	IF	Citations
1	Ebola Virus Matrix Protein VP40 Interaction with Human Cellular Factors Tsg101 and Nedd4. Journal of Molecular Biology, 2003, 326, 493-502.	4.2	183
2	Vesicular Release of Ebola Virus Matrix Protein VP40. Virology, 2001, 283, 1-6.	2.4	178
3	Structural basis of dynamic glycine receptor clustering by gephyrin. EMBO Journal, 2004, 23, 2510-2519.	7.8	147
4	The Matrix Protein VP40 from Ebola Virus Octamerizes into Pore-like Structures with Specific RNA Binding Properties. Structure, 2003, 11, 423-433.	3.3	137
5	A Structural Basis for the Biosynthesis of the Major Chlorogenic Acids Found in Coffee Â Â. Plant Physiology, 2012, 160, 249-260.	4.8	120
6	VP40 Octamers Are Essential for Ebola Virus Replication. Journal of Virology, 2005, 79, 1898-1905.	3.4	104
7	Membrane association induces a conformational change in the Ebola virus matrix protein. EMBO Journal, 2000, 19, 6732-6741.	7.8	103
8	Cryogenic X-Ray Diffraction Microscopy for Biological Samples. Physical Review Letters, 2009, 103, 198102.	7.8	92
9	Oligomerization and polymerization of the filovirus matrix protein VP40. Virology, 2003, 312, 359-368.	2.4	87
10	Crystal structure and DNA-binding analysis of RecO from Deinococcus radiodurans. EMBO Journal, 2005, 24, 906-918.	7.8	67
11	Is radiation damage dependent on the dose rate used during macromolecular crystallography data collection?. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 125-132.	2.5	51
12	The conformational changes coupling ATP hydrolysis and translocation in a bacterial DnaB helicase. Nature Communications, 2019, 10, 31.	12.8	45
13	Structural and Functional Characterization of an SMC-like Protein RecN: New Insights into Double-Strand Break Repair. Structure, 2012, 20, 2076-2089.	3.3	43
14	Architecture of a Dodecameric Bacterial Replicative Helicase. Structure, 2012, 20, 554-564.	3.3	42
15	Structure and primase-mediated activation of a bacterial dodecameric replicative helicase. Nucleic Acids Research, 2015, 43, 8564-8576.	14.5	42
16	Crystal structure and mutational study of RecOR provide insight into its mode of DNA binding. EMBO Journal, 2007, 26, 3260-3271.	7.8	41
17	A Decade of Biochemical and Structural Studies of the DNA Repair Machinery of Deinococcus radiodurans: Major Findings, Functional and Mechanistic Insight and Challenges. Computational and Structural Biotechnology Journal, 2016, 14, 168-176.	4.1	40
18	Structural and Mutational Analyses of Deinococcus radiodurans UvrA2 Provide Insight into DNA Binding and Damage Recognition by UvrAs. Structure, 2009, 17, 547-558.	3.3	38

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19	Protein transduction into human cells by adenovirus dodecahedron using WW domains as universal adaptors. Journal of Gene Medicine, 2006, 8, 524-531.	2.8	34
20	Cell morphology and nucleoid dynamics in dividing Deinococcus radiodurans. Nature Communications, 2019, 10, 3815.	12.8	31
21	Structural studies on the Ebola virus matrix protein VP40 indicate that matrix proteins of enveloped RNA viruses are analogues but not homologues. FEMS Microbiology Letters, 2004, 233, 179-186.	1.8	29
22	Crystal Structure of Maltooligosyltrehalose Trehalohydrolase from Deinococcus radiodurans in Complex with Disaccharides. Journal of Molecular Biology, 2005, 347, 949-963.	4.2	26
23	Structural and Mechanistic Insight into DNA Unwinding by Deinococcus radiodurans UvrD. PLoS ONE, 2013, 8, e77364.	2.5	26
24	Monitoring ssDNA Binding to the DnaB Helicase from Helicobacter pylori by Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 14164-14168.	13.8	22
25	Structural and functional characterization of two unusual endonuclease III enzymes from Deinococcus radiodurans. Journal of Structural Biology, 2015, 191, 87-99.	2.8	20
26	An â€˜openâ€™ structure of the RecOR complex supports ssDNA binding within the core of the complex. Nucleic Acids Research, 2013, 41, 7972-7986.	14.5	19
27	Molecular Bases of DNA Packaging in Bacteria Revealed by All-Atom Molecular Dynamics Simulations: The Case of Histone-Like Proteins inBorrelia burgdorferi. Journal of Physical Chemistry Letters, 2019, 10, 7200-7207.	4.6	19
28	The three Endonuclease III variants of Deinococcus radiodurans possess distinct and complementary DNA repair activities. DNA Repair, 2019, 78, 45-59.	2.8	17
29	Structureâ€“function studies of an unusual 3-methyladenine DNA glycosylase II (AlkA) fromDeinococcus radiodurans. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 703-712.	2.5	15
30	Structural studies on the Ebola virus matrix protein VP40 indicate that matrix proteins of enveloped RNA viruses are analogues but not homologues. FEMS Microbiology Letters, 2004, 233, 179-186.	1.8	13
31	Bacterial cell wall nanoimaging by autoblinking microscopy. Scientific Reports, 2018, 8, 14038.	3.3	12
32	Nanoscale surface structures of DNA bound to Deinococcus radiodurans HU unveiled by atomic force microscopy. Nanoscale, 2020, 12, 22628-22638.	5.6	9
33	FÃ¶rster Resonance Energy Transfer Based Biosensor for Targeting the hNTH1â€“YB1 Interface as a Potential Anticancer Drug Target. ACS Chemical Biology, 2020, 15, 990-1003.	3.4	9
34	In vitro reconstitution of an efficient nucleotide excision repair system using mesophilic enzymes from Deinococcus radiodurans. Communications Biology, 2022, 5, 127.	4.4	8
35	Structural and functional characterization of DdrC, a novel DNA damage-induced nucleoid associated protein involved in DNA compaction. Nucleic Acids Research, 2022, 50, 7680-7696.	14.5	8
36	Expression, purification and crystallization of two endonuclease III enzymes fromDeinococcus radiodurans. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1688-1692.	0.8	6

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37	Focus on DNA Glycosylasesâ€"A Set of Tightly Regulated Enzymes with a High Potential as Anticancer Drug Targets. International Journal of Molecular Sciences, 2020, 21, 9226.	4.1	6
38	Beobachtung von ssDNAâ€Bindung an die DnaBâ€Helikase von Helicobacter pylori mittels FestkÃ¶rperâ€NMRâ€Spektroskopie. Angewandte Chemie, 2016, 128, 14370-14375.	2.0	4
39	Expression, purification and preliminary structural analysis of the head domain ofDeinococcus radioduransRecN. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 81-84.	0.7	2
40	Expression, purification and preliminary structural analysis of the coiled-coil domain ofDeinococcus radioduransRecN. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 218-221.	0.7	2
41	XPB: An Essential Helicase Involved in Both Transcription and Repair of DNA. Molecular Cell, 2006, 22, 149-150.	9.7	1