

David A Bushnell

List of Publications by Year in descending order

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58
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12,759
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81743

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168136

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62
all docs

62
docs citations

62
times ranked

11239
citing authors

#	ARTICLE	IF	CITATIONS
1	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. PLoS Pathogens, 2021, 17, e1008961.	2.1	12
2	Mediator structure and conformation change. Molecular Cell, 2021, 81, 1781-1788.e4.	4.5	15
3	Sub-3 Å... Cryo-EM Structures of Necrosis Virus Particles via the Use of Multipurpose TEM with Electron Counting Camera. International Journal of Molecular Sciences, 2021, 22, 6859.	1.8	2
4	Gold nanoparticles and tilt pairs to assess protein flexibility by cryo-electron microscopy. Ultramicroscopy, 2021, 227, 113302.	0.8	3
5	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
6	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
7	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
8	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
9	A glycoprotein B-neutralizing antibody structure at 2.8Å... uncovers a critical domain for herpesvirus fusion initiation. Nature Communications, 2020, 11, 4141.	5.8	23
10	Phase 3 Trial of ¹⁷⁷ Lu-Dotatate for Midgut Neuroendocrine Tumors. New England Journal of Medicine, 2017, 376, 125-135.	13.9	2,206
11	The Intergenic Recombinant HLA-B*46:01 Has a Distinctive Peptidome that Includes KIR2DL3 Ligands. Cell Reports, 2017, 19, 1394-1405.	2.9	40
12	Double-flow focused liquid injector for efficient serial femtosecond crystallography. Scientific Reports, 2017, 7, 44628.	1.6	90
13	Structure of a Complete Mediator-RNA Polymerase II Pre-Initiation Complex. Cell, 2016, 166, 1411-1422.e16.	13.5	200
14	Deconvolution Method for Specific and Nonspecific Binding of Ligand to Multiprotein Complex by Native Mass Spectrometry. Analytical Chemistry, 2015, 87, 8541-8546.	3.2	15
15	Polymorphic HLA-C Receptors Balance the Functional Characteristics of <i>KIR</i> Haplotypes. Journal of Immunology, 2015, 195, 3160-3170.	0.4	108
16	Structure of an RNA polymerase II preinitiation complex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13543-13548.	3.3	95
17	Molecular architecture of the yeast Mediator complex. ELife, 2015, 4, .	2.8	136
18	Eukaryotic RNA Polymerase II. Nucleic Acids and Molecular Biology, 2014, , 277-287.	0.2	1

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19	Electron microscopy of gold nanoparticles at atomic resolution. <i>Science</i> , 2014, 345, 909-912.	6.0	269
20	Architecture of an RNA Polymerase II Transcription Pre-Initiation Complex. <i>Science</i> , 2013, 342, 1238724.	6.0	143
21	RNA polymerase II transcription: Structure and mechanism. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 2-8.	0.9	111
22	Structure of the Mediator Head module bound to the carboxy-terminal domain of RNA polymerase II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17931-17935.	3.3	106
23	Subunit architecture of general transcription factor TFIID. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1949-1954.	3.3	47
24	Initiation Complex Structure and Promoter Proofreading. <i>Science</i> , 2011, 333, 633-637.	6.0	54
25	Lock and Key to Transcription: σ -DNA Interaction. <i>Cell</i> , 2011, 147, 1218-1219.	13.5	20
26	Synthesis and Characterization of Au ₁₀₂ (p-MBA) ₄₄ Nanoparticles. <i>Journal of the American Chemical Society</i> , 2011, 133, 2976-2982.	6.6	219
27	RNA polymerase II trigger loop residues stabilize and position the incoming nucleotide triphosphate in transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15745-15750.	3.3	70
28	Synthesis and Bioconjugation of 2 and 3 nm-Diameter Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2010, 21, 214-218.	1.8	107
29	Structure of an RNA Polymerase II-TFIIB Complex and the Transcription Initiation Mechanism. <i>Science</i> , 2010, 327, 206-209.	6.0	188
30	<i>Schizosaccharomyces pombe</i> RNA polymerase II at 3.6-Å resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9185-9190.	3.3	48
31	KIR2DS4 is a product of gene conversion with KIR3DL2 that introduced specificity for HLA-A*11 while diminishing avidity for HLA-C. <i>Journal of Experimental Medicine</i> , 2009, 206, 2557-2572.	4.2	211
32	Structural Basis of Transcription: Backtracked RNA Polymerase II at 3.4 Angstrom Resolution. <i>Science</i> , 2009, 324, 1203-1206.	6.0	225
33	Structure of a Thiol Monolayer-Protected Gold Nanoparticle at 1.1 Å Resolution. <i>Science</i> , 2007, 318, 430-433.	6.0	2,383
34	Structural basis of RNA polymerase II substrate specificity and catalysis. <i>FASEB Journal</i> , 2007, 21, A656.	0.2	0
35	Structural Basis of Transcription: Role of the Trigger Loop in Substrate Specificity and Catalysis. <i>Cell</i> , 2006, 127, 941-954.	13.5	421
36	Structural basis of eukaryotic gene transcription. <i>FEBS Letters</i> , 2005, 579, 899-903.	1.3	120

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37	Structural Basis of Transcription: Separation of RNA from DNA by RNA Polymerase II. <i>Science</i> , 2004, 303, 1014-1016.	6.0	231
38	Structural Basis of Transcription: An RNA Polymerase II-TFIIB Cocrystal at 4.5 Angstroms. <i>Science</i> , 2004, 303, 983-988.	6.0	307
39	Diffusion of nucleoside triphosphates and role of the entry site to the RNA polymerase II active center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17361-17364.	3.3	66
40	Structural Basis of Transcription. <i>Cell</i> , 2004, 119, 481-489.	13.5	248
41	Complete, 12-subunit RNA polymerase II at 4.1-A resolution: Implications for the initiation of transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6969-6973.	3.3	250
42	Structural basis of transcription: \hat{A} -Amanitin-RNA polymerase II cocrystal at 2.8 A resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1218-1222.	3.3	273
43	Structural Basis of Transcription: An RNA Polymerase II Elongation Complex at 3.3 A Resolution. <i>Science</i> , 2001, 292, 1876-1882.	6.0	834
44	Structural Basis of Transcription: RNA Polymerase II at 2.8 Angstrom Resolution. <i>Science</i> , 2001, 292, 1863-1876.	6.0	1,118
45	Selenomethionine Incorporation in <i>Saccharomyces cerevisiae</i> RNA Polymerase II. <i>Structure</i> , 2001, 9, R11-R14.	1.6	42
46	Architecture of RNA Polymerase II and Implications for the Transcription Mechanism. <i>Science</i> , 2000, 288, 640-649.	6.0	570
47	Yeast RNA Polymerase II at 5 Å... Resolution. <i>Cell</i> , 1999, 98, 799-810.	13.5	124
48	Repeated tertiary fold of RNA polymerase II and implications for DNA binding 1 Edited by A. Klug. <i>Journal of Molecular Biology</i> , 1998, 280, 317-322.	2.0	10
49	The Med proteins of yeast and their function through the RNA polymerase II carboxy-terminal domain. <i>Genes and Development</i> , 1998, 12, 45-54.	2.7	272
50	Structure of Wild Type Yeast RNA Polymerase II and Location of RPB4 and RPB7. <i>Microscopy and Microanalysis</i> , 1998, 4, 972-973.	0.2	1
51	The UL8 Subunit of the Heterotrimeric Herpes Simplex Virus Type 1 Helicase-Primase Is Required for the Unwinding of Single Strand DNA-binding Protein (ICP8)-coated DNA Substrates. <i>Journal of Biological Chemistry</i> , 1997, 272, 22766-22770.	1.6	54
52	Genes For Tfb2, Tfb3, and Tfb4 Subunits of Yeast Transcription/Repair Factor IIIH. <i>Journal of Biological Chemistry</i> , 1997, 272, 19319-19327.	1.6	72
53	Yeast RNA Polymerase II Transcription Reconstituted with Purified Proteins. <i>Methods</i> , 1997, 12, 212-216.	1.9	38
54	The C-terminal Domain Revealed in the Structure of RNA Polymerase II. <i>Journal of Molecular Biology</i> , 1996, 258, 413-419.	2.0	35

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55	Two-Dimensional Crystallography of TFIIB and RNA Polymerase II Complexes: Implications for Start Site Selection and Initiation Complex Formation. <i>Cell</i> , 1996, 85, 773-779.	13.5	109
56	A Minimal Set of RNA Polymerase II Transcription Protein Interactions. <i>Journal of Biological Chemistry</i> , 1996, 271, 20170-20174.	1.6	65
57	A Yeast Transcriptional Stimulatory Protein Similar to Human PC4. <i>Journal of Biological Chemistry</i> , 1996, 271, 21842-21847.	1.6	75
58	Different forms of TFIIF for transcription and DNA repair: Holo-TFIIF and a nucleotide excision repairosome. <i>Cell</i> , 1995, 80, 21-28.	13.5	271