David A Bushnell

List of Publications by Year
in descending order

58 papers	12,759 citations	81900 39 h-index	168389 53 g-index
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.	4.7	12
2	Mediator structure and conformation change. Molecular Cell, 2021, 81, 1781-1788.e4.	9.7	15
3	Sub-3 Ã… 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.	4.1	2
4	Gold nanoparticles and tilt pairs to assess protein flexibility by cryo-electron microscopy. Ultramicroscopy, 2021, 227, 113302.	1.9	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 2.8â€‰Ã… uncovers a critical domain for herpesvirus fusion initiation. Nature Communications, 2020, 11, 4141.	12.8	23
10	Phase 3 Trial of ¹⁷⁷Lu-Dotatate for Midgut Neuroendocrine Tumors. New England Journal of Medicine, 2017, 376, 125-135.	27.0	2,206
11	The Intergenic Recombinant HLA-Bâˆ—46:01 Has a Distinctive Peptidome that Includes KIR2DL3 Ligands. Cell Reports, 2017, 19, 1394-1405.	6.4	40
12	Double-flow focused liquid injector for efficient serial femtosecond crystallography. Scientific Reports, 2017, 7, 44628.	3.3	90
13	Structure of a Complete Mediator-RNA Polymerase II Pre-Initiation Complex. Cell, 2016, 166, 1411-1422.e16.	28.9	200
14	Deconvolution Method for Specific and Nonspecific Binding of Ligand to Multiprotein Complex by Native Mass Spectrometry. Analytical Chemistry, 2015, 87, 8541-8546.	6.5	15
15	Polymorphic HLA-C Receptors Balance the Functional Characteristics of KIR Haplotypes. Journal of Immunology, 2015, 195, 3160-3170.	0.8	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.	7.1	95
17	Molecular architecture of the yeast Mediator complex. ELife, 2015, 4, .	6.0	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. Science, 2014, 345, 909-912.	12.6	269
20	Architecture of an RNA Polymerase II Transcription Pre-Initiation Complex. Science, 2013, 342, 1238724.	12.6	143
21	RNA polymerase II transcription: Structure and mechanism. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 2-8.	1.9	111
22	Structure of the Mediator Head module bound to the carboxy-terminal domain of RNA polymerase II. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17931-17935.	7.1	106
23	Subunit architecture of general transcription factor TFIIH. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1949-1954.	7.1	47
24	Initiation Complex Structure and Promoter Proofreading. Science, 2011, 333, 633-637.	12.6	54
25	Lock and Key to Transcription: Ïƒ-DNA Interaction. Cell, 2011, 147, 1218-1219.	28.9	20
26	Synthesis and Characterization of Au₁₀₂(p-MBA)₄₄Nanoparticles. Journal of the American Chemical Society, 2011, 133, 2976-2982.	13.7	219
27	RNA polymerase II trigger loop residues stabilize and position the incoming nucleotide triphosphate in transcription. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15745-15750.	7.1	70
28	Synthesis and Bioconjugation of 2 and 3 nm-Diameter Gold Nanoparticles. Bioconjugate Chemistry, 2010, 21, 214-218.	3.6	107
29	Structure of an RNA Polymerase IIâ€“TFIIB Complex and the Transcription Initiation Mechanism. Science, 2010, 327, 206-209.	12.6	188
30	Schizosacharomyces pombe RNA polymerase II at 3.6-â„« resolution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9185-9190.	7.1	48
31	KIR2DS4 is a product of gene conversion with KIR3DL2 that introduced specificity for HLA-A*11 while diminishing avidity for HLA-C. Journal of Experimental Medicine, 2009, 206, 2557-2572.	8.5	211
32	Structural Basis of Transcription: Backtracked RNA Polymerase II at 3.4 Angstrom Resolution. Science, 2009, 324, 1203-1206.	12.6	225
33	Structure of a Thiol Monolayer-Protected Gold Nanoparticle at 1.1 AÌŠ Resolution. Science, 2007, 318, 430-433.	12.6	2,383
34	Structural basis of RNA polymerase II substrate specificity and catalysis. FASEB Journal, 2007, 21, A656.	0.5	0
35	Structural Basis of Transcription: Role of the Trigger Loop in Substrate Specificity and Catalysis. Cell, 2006, 127, 941-954.	28.9	421
36	Structural basis of eukaryotic gene transcription. FEBS Letters, 2005, 579, 899-903.	2.8	120

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37	Structural Basis of Transcription: Separation of RNA from DNA by RNA Polymerase II. Science, 2004, 303, 1014-1016.	12.6	231
38	Structural Basis of Transcription: An RNA Polymerase II-TFIIB Cocrystal at 4.5 Angstroms. Science, 2004, 303, 983-988.	12.6	307
39	Diffusion of nucleoside triphosphates and role of the entry site to the RNA polymerase II active center. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17361-17364.	7.1	66
40	Structural Basis of Transcription. Cell, 2004, 119, 481-489.	28.9	248
41	Complete, 12-subunit RNA polymerase II at 4.1-A resolution: Implications for the initiation of transcription. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6969-6973.	7.1	250
42	Structural basis of transcription: Â-Amanitin-RNA polymerase II cocrystal at 2.8 A resolution. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1218-1222.	7.1	273
43	Structural Basis of Transcription: An RNA Polymerase II Elongation Complex at 3.3 A Resolution. Science, 2001, 292, 1876-1882.	12.6	834
44	Structural Basis of Transcription: RNA Polymerase II at 2.8 Angstrom Resolution. Science, 2001, 292, 1863-1876.	12.6	1,118
45	Selenomethionine Incorporation in Saccharomyces cerevisiae RNA Polymerase II. Structure, 2001, 9, R11-R14.	3.3	42
46	Architecture of RNA Polymerase II and Implications for the Transcription Mechanism. Science, 2000, 288, 640-649.	12.6	570
47	Yeast RNA Polymerase II at 5 Ã… Resolution. Cell, 1999, 98, 799-810.	28.9	124
48	Repeated tertiary fold of RNA polymerase II and implications for DNA binding 1 1Edited by A. Klug. Journal of Molecular Biology, 1998, 280, 317-322.	4.2	10
49	The Med proteins of yeast and their function through the RNA polymerase II carboxy-terminalâ€‰domain. Genes and Development, 1998, 12, 45-54.	5.9	272
50	Structure of Wild Type Yeast RNA Polymerase II and Location of RPB4 and RPB7. Microscopy and Microanalysis, 1998, 4, 972-973.	0.4	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. Journal of Biological Chemistry, 1997, 272, 22766-22770.	3.4	54
52	Genes For Tfb2, Tfb3, and Tfb4 Subunits of Yeast Transcription/Repair Factor IIH. Journal of Biological Chemistry, 1997, 272, 19319-19327.	3.4	72
53	Yeast RNA Polymerase II Transcription Reconstituted with Purified Proteins. Methods, 1997, 12, 212-216.	3.8	38
54	The C-terminal Domain Revealed in the Structure of RNA Polymerase II. Journal of Molecular Biology, 1996, 258, 413-419.	4.2	35

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55	Two-Dimensional Crystallography of TFIIBâ€“ and IIEâ€“RNA Polymerase II Complexes: Implications for Start Site Selection and Initiation Complex Formation. Cell, 1996, 85, 773-779.	28.9	109
56	A Minimal Set of RNA Polymerase II Transcription Protein Interactions. Journal of Biological Chemistry, 1996, 271, 20170-20174.	3.4	65
57	A Yeast Transcriptional Stimulatory Protein Similar to Human PC4. Journal of Biological Chemistry, 1996, 271, 21842-21847.	3.4	75
58	Different forms of TFIIH for transcription and DNA repair: Holo-TFIIH and a nucleotide excision repairosome. Cell, 1995, 80, 21-28.	28.9	271