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	Structure of a Thiol Monolayer-Protected Gold Nanoparticle at 1.1 AÌŠ Resolution. Science, 2007, 318, 430-433.	12.6	2,383
2	Phase 3 Trial of ¹⁷⁷Lu-Dotatate for Midgut Neuroendocrine Tumors. New England Journal of Medicine, 2017, 376, 125-135.	27.0	2,206
3	Structural Basis of Transcription: RNA Polymerase II at 2.8 Angstrom Resolution. Science, 2001, 292, 1863-1876.	12.6	1,118
4	Structural Basis of Transcription: An RNA Polymerase II Elongation Complex at 3.3 A Resolution. Science, 2001, 292, 1876-1882.	12.6	834
5	Architecture of RNA Polymerase II and Implications for the Transcription Mechanism. Science, 2000, 288, 640-649.	12.6	570
6	Structural Basis of Transcription: Role of the Trigger Loop in Substrate Specificity and Catalysis. Cell, 2006, 127, 941-954.	28.9	421
7	Structural Basis of Transcription: An RNA Polymerase II-TFIIB Cocrystal at 4.5 Angstroms. Science, 2004, 303, 983-988.	12.6	307
8	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
9	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
10	Different forms of TFIIH for transcription and DNA repair: Holo-TFIIH and a nucleotide excision repairosome. Cell, 1995, 80, 21-28.	28.9	271
11	Electron microscopy of gold nanoparticles at atomic resolution. Science, 2014, 345, 909-912.	12.6	269
12	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
13	Structural Basis of Transcription. Cell, 2004, 119, 481-489.	28.9	248
14	Structural Basis of Transcription: Separation of RNA from DNA by RNA Polymerase II. Science, 2004, 303, 1014-1016.	12.6	231
15	Structural Basis of Transcription: Backtracked RNA Polymerase II at 3.4 Angstrom Resolution. Science, 2009, 324, 1203-1206.	12.6	225
16	Synthesis and Characterization of Au₁₀₂(<i>p</i>-MBA)₄₄Nanoparticles. Journal of the American Chemical Society, 2011, 133, 2976-2982.	13.7	219
17	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
18	Structure of a Complete Mediator-RNA Polymerase II Pre-Initiation Complex. Cell, 2016, 166, 1411-1422.e16.	28.9	200

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19	Structure of an RNA Polymerase IIâ€"TFIIB Complex and the Transcription Initiation Mechanism. Science, 2010, 327, 206-209.	12.6	188
20	Architecture of an RNA Polymerase II Transcription Pre-Initiation Complex. Science, 2013, 342, 1238724.	12.6	143
21	Molecular architecture of the yeast Mediator complex. ELife, 2015, 4, .	6.0	136
22	Yeast RNA Polymerase II at 5 Ã… Resolution. Cell, 1999, 98, 799-810.	28.9	124
23	Structural basis of eukaryotic gene transcription. FEBS Letters, 2005, 579, 899-903.	2.8	120
24	RNA polymerase II transcription: Structure and mechanism. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 2-8.	1.9	111
25	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
26	Polymorphic HLA-C Receptors Balance the Functional Characteristics of <i>KIR</i> Haplotypes. Journal of Immunology, 2015, 195, 3160-3170.	0.8	108
27	Synthesis and Bioconjugation of 2 and 3 nm-Diameter Gold Nanoparticles. Bioconjugate Chemistry, 2010, 21, 214-218.	3.6	107
28	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
29	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
30	Double-flow focused liquid injector for efficient serial femtosecond crystallography. Scientific Reports, 2017, 7, 44628.	3.3	90
31	A Yeast Transcriptional Stimulatory Protein Similar to Human PC4. Journal of Biological Chemistry, 1996, 271, 21842-21847.	3.4	75
32	Genes For Tfb2, Tfb3, and Tfb4 Subunits of Yeast Transcription/Repair Factor IIH. Journal of Biological Chemistry, 1997, 272, 19319-19327.	3.4	72
33	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
34	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
35	A Minimal Set of RNA Polymerase II Transcription Protein Interactions. Journal of Biological Chemistry, 1996, 271, 20170-20174.	3.4	65
36	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

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37	Initiation Complex Structure and Promoter Proofreading. Science, 2011, 333, 633-637.	12.6	54
38	<i>Schizosacharomyces pombe</i> 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
39	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
40	Selenomethionine Incorporation in Saccharomyces cerevisiae RNA Polymerase II. Structure, 2001, 9, R11-R14.	3.3	42
41	The Intergenic Recombinant HLA-Bâˆ—46:01 Has a Distinctive Peptidome that Includes KIR2DL3 Ligands. Cell Reports, 2017, 19, 1394-1405.	6.4	40
42	Yeast RNA Polymerase II Transcription Reconstituted with Purified Proteins. Methods, 1997, 12, 212-216.	3.8	38
43	The C-terminal Domain Revealed in the Structure of RNA Polymerase II. Journal of Molecular Biology, 1996, 258, 413-419.	4.2	35
44	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
45	Lock and Key to Transcription: Ïƒ-DNA Interaction. Cell, 2011, 147, 1218-1219.	28.9	20
46	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
47	Mediator structure and conformation change. Molecular Cell, 2021, 81, 1781-1788.e4.	9.7	15
48	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. PLoS Pathogens, 2021, 17, e1008961.	4.7	12
49	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
50	Gold nanoparticles and tilt pairs to assess protein flexibility by cryo-electron microscopy. Ultramicroscopy, 2021, 227, 113302.	1.9	3
51	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
52	Structure of Wild Type Yeast RNA Polymerase II and Location of RPB4 and RPB7. Microscopy and Microanalysis, 1998, 4, 972-973.	0.4	1
53	Eukaryotic RNA Polymerase II. Nucleic Acids and Molecular Biology, 2014, , 277-287.	0.2	1
54	Structural basis of RNA polymerase II substrate specificity and catalysis. FASEB Journal, 2007, 21, A656.	0.5	0

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55	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
56	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
57	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
58	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0