Peter B Moore

List of Publications by Citations

41	6,448	19	44
papers	citations	h-index	g-index

44	7,004	14.8	5.4
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
41	The complete atomic structure of the large ribosomal subunit at 2.4 A resolution. *Science*, **2000**, 289, 905-20	33.3	2807
40	The structural basis of ribosome activity in peptide bond synthesis. *Science*, **2000**, 289, 920-30	33.3	1781
39	A new system for naming ribosomal proteins. *Current Opinion in Structural Biology*, **2014**, 24, 165-9	8.1	365
38	Placement of protein and RNA structures into a 5 A-resolution map of the 50S ribosomal subunit. *Nature*, **1999**, 400, 841-7	50.4	352
37	The crystal structure of yeast phenylalanine tRNA at 1.93 A resolution: a classic structure revisited. *Rna*, **2000**, 6, 1091-105	5.8	336
36	Tetramerization of an RNA oligonucleotide containing a GGGG sequence. *Nature*, **1991**, 351, 331-2	50.4	141
35	Measurement of diffusion constants for nucleic acids by NMR. *Journal of Biomolecular NMR*, **1997**, 10, 255-62	3	97
34	How should we think about the ribosome?. *Annual Review of Biophysics*, **2012**, 41, 1-19	21.1	71
33	The three-dimensional structure of the ribosome and its components. *Annual Review of Biophysics and Biomolecular Structure*, **1998**, 27, 35-58		60
32	The ribosome returns. *Nature*, **1988**, 331, 223-7	50.4	59
31	After the ribosome structures: how does peptidyl transferase work?. *Rna*, **2003**, 9, 155-9	5.8	50
30	N 2-methylguanosine is iso-energetic with guanosine in RNA duplexes and GNRA tetraloops. *Nucleic Acids Research*, **1998**, 26, 3640-4	20.1	43
29	Assignment of NH resonances in nucleic acids using natural abundance 15N-1H correlation spectroscopy with spin-echo and gradient pulses. *FEBS Letters*, **1993**, 327, 261-4	3.8	42
28	Use of chemically modified nucleotides to determine a 62-nucleotide RNA crystal structure: a survey of phosphorothioates, Br, Pt and Hg. *Journal of Biomolecular Structure and Dynamics*, **1997**, 15, 165-72	3.6	27
27	On the relationship between diffraction patterns and motions in macromolecular crystals. *Structure* , **2009**, 17, 1307-15	5.2	24
26	Structure and stability of variants of the sarcin-ricin loop of 28S rRNA: NMR studies of the prokaryotic SRL and a functional mutant. *Rna*, **1998**, 4, 1203-15	5.8	22
25	An investigation of the conformational properties of ribosomes using N-ethylmaleimide as a probe. *FEBS Journal*, **1979**, 93, 147-56		21

24	On the renaturation of ribosomal protein L11. *FEBS Journal*, **1980**, 110, 493-8		20
23	The ribosome returned. *Journal of Biology*, **2009**, 8, 8		19
22	A proton NMR study of ribosomal protein L25 from Escherichia coli. *FEBS Journal*, **1981**, 116, 269-76		17
21	The effects of thermal disorder on the solution-scattering profiles of macromolecules. *Biophysical Journal*, **2014**, 106, 1489-96	2.9	16
20	Acoustic vibrations contribute to the diffuse scatter produced by ribosome crystals. *Acta Crystallographica Section D: Biological Crystallography*, **2015**, 71, 2021-31		11
19	Structural biology. A ribosomal coup: E. coli at last!. *Science*, **2005**, 310, 793-5	33.3	11
18	Phosphorylation of ribosomal protein L18 is required for its folding and binding to 5S rRNA. *Biochemistry*, **1999**, 38, 13385-90	3.2	11
17	The Synthesis of RNA Containing the Modified Nucleotides N 2-Methylguanosine and N 6, N 6-Dimethyladenosine. *Nucleosides & Nucleotides*, **1998**, 17, 2281-2288		7
16	X-ray and neutron small-angle scattering studies of the complex between protein S1 and the 30-S ribosomal subunit. *FEBS Journal*, **1978**, 85, 529-34		6
15	The protein-folding problem: Not yet solved.. *Science*, **2022**, 375, 507	33.3	6
14	Let's call the whole thing off: some thoughts on the protein structure initiative. *Structure*, **2007**, 15, 1350-2	5.2	5
13	Ribosomal ambiguity made less ambiguous. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9627-8	11.5	4
12	Perspectives on the ribosome. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	3
11	Structural biology: Past, present, and future. *New Biotechnology*, **2017**, 38, 29-35	6.4	2
10	Identification of Mg ions next to nucleotides in cryo-EM maps using electrostatic potential maps. *Acta Crystallographica Section D: Structural Biology*, **2021**, 77, 534-539	5.5	2
9	The PDB and the ribosome. *Journal of Biological Chemistry*, **2021**, 296, 100561	5.4	2
8	Concluding Remarks for the Helsingø Ribosome Conference, 13 to 17 June 1999553-556		1
7	The Structural Basis of Ribosome Activity in Peptide Bond Synthesis. *journal of hand surgery Asian-Pacific volume, The*, **2020**, 501-511	0.5	1

6	Neutrons, magnets, and photons: a career in structural biology. *Journal of Biological Chemistry*, **2012**, 287, 805-18	5.4	0
5	The Structures of Four Macrolide Antibiotics Bound to the Large Ribosomal Subunit. *journal of hand surgery Asian-Pacific volume, The*, **2020**, 525-536	0.5	0
4	In Which the Deity Attempts To Make a Ribose-Free Ribosome. *Biochemistry*, **2019**, 58, 431-432	3.2	
3	Carl Woese: a structural biologistX perspective. *RNA Biology*, **2014**, 11, 172-4	4.8	
2	A short, informal history of the biological sciences at Yale University. *Yale Journal of Biology and Medicine*, **2012**, 85, 551-8	2.4	
1	Structures of Five Antibiotics Bound at the Peptidyl Transferase Center of the Large Ribosomal Subunit. *journal of hand surgery Asian-Pacific volume, The*, **2020**, 537-551	0.5	