

# Peter B Moore

## List of Publications by Year in descending order

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43  
papers

7,419  
citations

361413

20  
h-index

302126

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

5438  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Complete Atomic Structure of the Large Ribosomal Subunit at 2.4 Å Resolution. <i>Science</i> , 2000, 289, 905-920.	12.6	3,132
2	The Structural Basis of Ribosome Activity in Peptide Bond Synthesis. <i>Science</i> , 2000, 289, 920-930.	12.6	2,045
3	A new system for naming ribosomal proteins. <i>Current Opinion in Structural Biology</i> , 2014, 24, 165-169.	5.7	481
4	The crystal structure of yeast phenylalanine tRNA at 1.93 Å resolution: A classic structure revisited. <i>Rna</i> , 2000, 6, 1091-1105.	3.5	400
5	Placement of protein and RNA structures into a 5 Å-resolution map of the 50S ribosomal subunit. <i>Nature</i> , 1999, 400, 841-847.	27.8	391
6	Tetramerization of an RNA oligonucleotide containing a GGGG sequence. <i>Nature</i> , 1991, 351, 331-332.	27.8	152
7	Measurement of diffusion constants for nucleic acids by NMR. <i>Journal of Biomolecular NMR</i> , 1997, 10, 255-262.	2.8	109
8	How Should We Think About the Ribosome?. <i>Annual Review of Biophysics</i> , 2012, 41, 1-19.	10.0	79
9	The ribosome returns. <i>Nature</i> , 1988, 331, 223-227.	27.8	66
10	THE THREE-DIMENSIONAL STRUCTURE OF THE RIBOSOME AND ITS COMPONENTS. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1998, 27, 35-58.	18.3	63
11	After the ribosome structures: How does peptidyl transferase work?. <i>Rna</i> , 2003, 9, 155-159.	3.5	56
12	Assignment of NH resonances in nucleic acids using natural abundance <sup>15</sup> N- <sup>1</sup> H correlation spectroscopy with spin-echo and gradient pulses. <i>FEBS Letters</i> , 1993, 327, 261-264.	2.8	46
13	N <sup>2</sup> -Methylguanosine is iso-energetic with guanosine in RNA duplexes and GNRA tetraloops. <i>Nucleic Acids Research</i> , 1998, 26, 3640-3644.	14.5	46
14	The protein-folding problem: Not yet solved. <i>Science</i> , 2022, 375, 507-507.	12.6	43
15	On the Relationship between Diffraction Patterns and Motions in Macromolecular Crystals. <i>Structure</i> , 2009, 17, 1307-1315.	3.3	40
16	Use of Chemically Modified Nucleotides to Determine a 62-Nucleotide RNA Crystal Structure: A Survey of Phosphorothioates, Br, Pt and Hg. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 165-172.	3.5	31
17	An Investigation of the Conformational Properties of Ribosomes Using N-Ethylmaleimide as a Probe. <i>FEBS Journal</i> , 1979, 93, 147-156.	0.2	24
18	Structure and stability of variants of the sarcin-ricin loop of 28S rRNA: NMR studies of the prokaryotic SRL and a functional mutant. <i>Rna</i> , 1998, 4, 1203-1215.	3.5	24

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19	The ribosome returned. <i>Journal of Biology</i> , 2009, 8, 8.	2.7	22
20	Acoustic vibrations contribute to the diffuse scatter produced by ribosome crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2021-2031.	2.5	22
21	On the Renaturation of Ribosomal Protein L11. <i>FEBS Journal</i> , 1980, 110, 493-498.	0.2	20
22	A Proton NMR Study of Ribosomal Protein L25 from <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1981, 116, 269-276.	0.2	19
23	The Effects of Thermal Disorder on the Solution-Scattering Profiles of Macromolecules. <i>Biophysical Journal</i> , 2014, 106, 1489-1496.	0.5	19
24	Phosphorylation of Ribosomal Protein L18 Is Required for Its Folding and Binding to 5S rRNA. <i>Biochemistry</i> , 1999, 38, 13385-13390.	2.5	12
25	A Ribosomal Coup: <i>E. coli</i> at Last!. <i>Science</i> , 2005, 310, 793-795.	12.6	11
26	Identification of Mg <sup>2+</sup> ions next to nucleotides in cryo-EM maps using electrostatic potential maps. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 534-539.	2.3	9
27	The Synthesis of RNA Containing the Modified Nucleotides <i>N</i> <sup>2</sup> -Methylguanosine and <i>N</i> <sup>6</sup> , <i>N</i> <sup>6</sup> -Dimethyladenosine. <i>Nucleosides &amp; Nucleotides</i> , 1998, 17, 2281-2288.	0.5	8
28	Let's Call the Whole Thing Off: Some Thoughts on the Protein Structure Initiative. <i>Structure</i> , 2007, 15, 1350-1352.	3.3	8
29	X-Ray and Neutron Small-Angle Scattering Studies of the Complex between Protein S1 and the 30-S Ribosomal Subunit. <i>FEBS Journal</i> , 1978, 85, 529-534.	0.2	7
30	Elongation remodelled. <i>Nature</i> , 1989, 342, 127-128.	27.8	5
31	The PDB and the ribosome. <i>Journal of Biological Chemistry</i> , 2021, 296, 100561.	3.4	5
32	The Structures of Four Macrolide Antibiotics Bound to the Large Ribosomal Subunit. <i>Journal of Hand Surgery Asian-Pacific volume, The</i> , 2020, , 525-536.	0.4	5
33	Ribosomal ambiguity made less ambiguous. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9627-9628.	7.1	4
34	Perspectives on the ribosome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160537.	4.0	4
35	Structural biology: Past, present, and future. <i>New Biotechnology</i> , 2017, 38, 29-35.	4.4	3
36	The universe expands. <i>Nature</i> , 1992, 357, 439-439.	27.8	2

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37	In Which the Deity Attempts To Make a Ribose-Free Ribosome. <i>Biochemistry</i> , 2019, 58, 431-432.	2.5	2
38	Neutrons, Magnets, and Photons: A Career in Structural Biology. <i>Journal of Biological Chemistry</i> , 2012, 287, 805-818.	3.4	1
39	Carl Woese. <i>RNA Biology</i> , 2014, 11, 172-174.	3.1	1
40	Concluding Remarks for the HelsingÅr Ribosome Conference, 13 to 17 June 1999. , 0, , 553-556.		1
41	The Structural Basis of Ribosome Activity in Peptide Bond Synthesis. <i>journal of hand surgery Asian-Pacific volume, The</i> , 2020, , 501-511.	0.4	1
42	Structures of Five Antibiotics Bound at the Peptidyl Transferase Center of the Large Ribosomal Subunit. <i>journal of hand surgery Asian-Pacific volume, The</i> , 2020, , 537-551.	0.4	0
43	A short, informal history of the biological sciences at Yale University. <i>Yale Journal of Biology and Medicine</i> , 2012, 85, 551-8.	0.2	0