Peter B Moore

List of Publications by Year
in descending order

43 papers	7,419 citations	361045 20 h-index	301761 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 A Resolution. Science, 2000, 289, 905-920.	6.0	3,132
2	The Structural Basis of Ribosome Activity in Peptide Bond Synthesis. Science, 2000, 289, 920-930.	6.0	2,045
3	A new system for naming ribosomal proteins. Current Opinion in Structural Biology, 2014, 24, 165-169.	2.6	481
4	The crystal structure of yeast phenylalanine tRNA at 1.93 â„« resolution: A classic structure revisited. Rna, 2000, 6, 1091-1105.	1.6	400
5	Placement of protein and RNA structures into a 5â€‰Ã…-resolution map of the 50S ribosomal subunit. Nature, 1999, 400, 841-847.	13.7	391
6	Tetramerization of an RNA oligonucleotide containing a GGGG sequence. Nature, 1991, 351, 331-332.	13.7	152
7	Measurement of diffusion constants for nucleic acids by NMR. Journal of Biomolecular NMR, 1997, 10, 255-262.	1.6	109
8	How Should We Think About the Ribosome?. Annual Review of Biophysics, 2012, 41, 1-19.	4.5	79
9	The ribosome returns. Nature, 1988, 331, 223-227.	13.7	66
10	THE THREE-DIMENSIONAL STRUCTURE OF THE RIBOSOME AND ITS COMPONENTS. Annual Review of Biophysics and Biomolecular Structure, 1998, 27, 35-58.	18.3	63
11	After the ribosome structures: How does peptidyl transferase work?. Rna, 2003, 9, 155-159.	1.6	56
12	Assignment of NH resonances in nucleic acids using natural abundance15N-1H correlation spectroscopy with spin-echo and gradient pulses. FEBS Letters, 1993, 327, 261-264.	1.3	46
13	N2-Methylguanosine is iso-energetic with guanosine in RNA duplexes and GNRA tetraloops. Nucleic Acids Research, 1998, 26, 3640-3644.	6.5	46
14	The protein-folding problem: Not yet solved. Science, 2022, 375, 507-507.	6.0	43
15	On the Relationship between Diffraction Patterns and Motions in Macromolecular Crystals. Structure, 2009, 17, 1307-1315.	1.6	40
16	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, 165-172.	2.0	31
17	An Investigation of the Conformational Properties of Ribosomes Using N-Ethylmalemide as a Probe. FEBS Journal, 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. Rna, 1998, 4, 1203-1215.	1.6	24

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19	The ribosome returned. Journal of Biology, 2009, 8, 8.	2.7	22
20	Acoustic vibrations contribute to the diffuse scatter produced by ribosome crystals. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 2021-2031.	2.5	22
21	On the Renaturation of Ribosomal Protein L11. FEBS Journal, 1980, 110, 493-498.	0.2	20
22	A Proton NMR Study of Ribosomal Protein L25 from Escherichia coli. FEBS Journal, 1981, 116, 269-276.	0.2	19
23	The Effects of Thermal Disorder on the Solution-Scattering Profiles of Macromolecules. Biophysical Journal, 2014, 106, 1489-1496.	0.2	19
24	Phosphorylation of Ribosomal Protein L18 Is Required for Its Folding and Binding to 5S rRNA. Biochemistry, 1999, 38, 13385-13390.	1.2	12
25	A Ribosomal Coup: E. coli at Last!. Science, 2005, 310, 793-795.	6.0	11
26	Identification of Mg²⁺ ions next to nucleotides in cryo-EM maps using electrostatic potential maps. Acta Crystallographica Section D: Structural Biology, 2021, 77, 534-539.	1.1	9
27	The Synthesis of RNA Containing the Modified NucleotidesN²-Methylguanosine andN⁶,N⁶-Dimethyladenosine. Nucleosides & Nucleotides, 1998, 17, 2281-2288.	0.5	8
28	Let's Call the Whole Thing Off: Some Thoughts on the Protein Structure Initiative. Structure, 2007, 15, 1350-1352.	1.6	8
29	X-Ray and Neutron Small-Angle Scattering Studies of the Complex between Protein S1 and the 30-S Ribosomal Subunit. FEBS Journal, 1978, 85, 529-534.	0.2	7
30	Elongation remodelled. Nature, 1989, 342, 127-128.	13.7	5
31	The PDB and the ribosome. Journal of Biological Chemistry, 2021, 296, 100561.	1.6	5
32	The Structures of Four Macrolide Antibiotics Bound to the Large Ribosomal Subunit. journal of hand surgery Asian-Pacific volume, The, 2020, , 525-536.	0.2	5
33	Ribosomal ambiguity made less ambiguous. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9627-9628.	3.3	4
34	Perspectives on the ribosome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160537.	1.8	4
35	Structural biology: Past, present, and future. New Biotechnology, 2017, 38, 29-35.	2.4	3
36	The universe expands. Nature, 1992, 357, 439-439.	13.7	2

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37	In Which the Deity Attempts To Make a Ribose-Free Ribosome. Biochemistry, 2019, 58, 431-432.	1.2	2
38	Neutrons, Magnets, and Photons: A Career in Structural Biology. Journal of Biological Chemistry, 2012, 287, 805-818.	1.6	1
39	Carl Woese. RNA Biology, 2014, 11, 172-174.	1.5	1
40	Concluding Remarks for the HelsingÃ¸r Ribosome Conference, 13 to 17 June 1999. , 0, , 553-556.		1
41	The Structural Basis of Ribosome Activity in Peptide Bond Synthesis. journal of hand surgery Asian-Pacific volume, The, 2020, , 501-511.	0.2	1
42	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.	0.2	0
43	A short, informal history of the biological sciences at Yale University. Yale Journal of Biology and Medicine, 2012, 85, 551-8.	0.2	0