

Peter B Moore

List of Publications by Year in descending order

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Version: 2024-02-01

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 protein-folding problem: Not yet solved. <i>Science</i> , 2022, 375, 507-507. | 12.6 | 43 |
| 2 | Identification of Mg ²⁺ 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 |
| 3 | The PDB and the ribosome. <i>Journal of Biological Chemistry</i> , 2021, 296, 100561. | 3.4 | 5 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | In Which the Deity Attempts To Make a Ribose-Free Ribosome. <i>Biochemistry</i> , 2019, 58, 431-432. | 2.5 | 2 |
| 8 | Perspectives on the ribosome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160537. | 4.0 | 4 |
| 9 | Structural biology: Past, present, and future. <i>New Biotechnology</i> , 2017, 38, 29-35. | 4.4 | 3 |
| 10 | 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 |
| 11 | Carl Woese. <i>RNA Biology</i> , 2014, 11, 172-174. | 3.1 | 1 |
| 12 | A new system for naming ribosomal proteins. <i>Current Opinion in Structural Biology</i> , 2014, 24, 165-169. | 5.7 | 481 |
| 13 | The Effects of Thermal Disorder on the Solution-Scattering Profiles of Macromolecules. <i>Biophysical Journal</i> , 2014, 106, 1489-1496. | 0.5 | 19 |
| 14 | 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 |
| 15 | Neutrons, Magnets, and Photons: A Career in Structural Biology. <i>Journal of Biological Chemistry</i> , 2012, 287, 805-818. | 3.4 | 1 |
| 16 | How Should We Think About the Ribosome?. <i>Annual Review of Biophysics</i> , 2012, 41, 1-19. | 10.0 | 79 |
| 17 | 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 |
| 18 | On the Relationship between Diffraction Patterns and Motions in Macromolecular Crystals. <i>Structure</i> , 2009, 17, 1307-1315. | 3.3 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The ribosome returned. <i>Journal of Biology</i> , 2009, 8, 8. | 2.7 | 22 |
| 20 | Let's Call the Whole Thing Off: Some Thoughts on the Protein Structure Initiative. <i>Structure</i> , 2007, 15, 1350-1352. | 3.3 | 8 |
| 21 | A Ribosomal Coup: <i>E. coli</i> at Last!. <i>Science</i> , 2005, 310, 793-795. | 12.6 | 11 |
| 22 | After the ribosome structures: How does peptidyl transferase work?. <i>Rna</i> , 2003, 9, 155-159. | 3.5 | 56 |
| 23 | 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 |
| 24 | The Structural Basis of Ribosome Activity in Peptide Bond Synthesis. <i>Science</i> , 2000, 289, 920-930. | 12.6 | 2,045 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | N ² -Methylguanosine is iso-energetic with guanosine in RNA duplexes and GNRA tetraloops. <i>Nucleic Acids Research</i> , 1998, 26, 3640-3644. | 14.5 | 46 |
| 30 | The Synthesis of RNA Containing the Modified Nucleotides N ² -Methylguanosine and N ⁶ ,N ⁶ -Dimethyladenosine. <i>Nucleosides & Nucleotides</i> , 1998, 17, 2281-2288. | 0.5 | 8 |
| 31 | 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 |
| 32 | 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 |
| 33 | Measurement of diffusion constants for nucleic acids by NMR. <i>Journal of Biomolecular NMR</i> , 1997, 10, 255-262. | 2.8 | 109 |
| 34 | Assignment of NH resonances in nucleic acids using natural abundance ¹⁵ N-1H correlation spectroscopy with spin-echo and gradient pulses. <i>FEBS Letters</i> , 1993, 327, 261-264. | 2.8 | 46 |
| 35 | The universe expands. <i>Nature</i> , 1992, 357, 439-439. | 27.8 | 2 |
| 36 | Tetramerization of an RNA oligonucleotide containing a GGGG sequence. <i>Nature</i> , 1991, 351, 331-332. | 27.8 | 152 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Elongation remodelled. Nature, 1989, 342, 127-128. | 27.8 | 5 |
| 38 | The ribosome returns. Nature, 1988, 331, 223-227. | 27.8 | 66 |
| 39 | A Proton NMR Study of Ribosomal Protein L25 from Escherichia coli. FEBS Journal, 1981, 116, 269-276. | 0.2 | 19 |
| 40 | On the Renaturation of Ribosomal Protein L11. FEBS Journal, 1980, 110, 493-498. | 0.2 | 20 |
| 41 | An Investigation of the Conformational Properties of Ribosomes Using N-Ethylmaleimide as a Probe. FEBS Journal, 1979, 93, 147-156. | 0.2 | 24 |
| 42 | 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 |
| 43 | Concluding Remarks for the HelsingÅr Ribosome Conference, 13 to 17 June 1999. , 0, , 553-556. | | 1 |