

# Benjamin Chagot

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

879  
citations

516710

16  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1367  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Solution NMR Structure of Apo-Calmodulin in Complex with the IQ Motif of Human Cardiac Sodium Channel NaV1.5. <i>Journal of Molecular Biology</i> , 2011, 406, 106-119.   | 4.2  | 105       |
| 2  | Structure-Function Analysis of Inositol Hexakisphosphate-induced Autoprocessing in <i>Clostridium difficile</i> Toxin A. <i>Journal of Biological Chemistry</i> , 2009, 284, 21934-21940.   | 3.4  | 99        |
| 3  | Inhibition of Histone Deacetylase 3 Causes Replication Stress in Cutaneous T Cell Lymphoma. <i>PLoS ONE</i> , 2013, 8, e68915.  | 2.5  | 87        |
| 4  | Functional Interactions between Distinct Sodium Channel Cytoplasmic Domains through the Action of Calmodulin. <i>Journal of Biological Chemistry</i> , 2009, 284, 8846-8854.  | 3.4  | 76        |
| 5  | An unusual fold for potassium channel blockers: NMR structure of three toxins from the scorpion <i>Opisthacanthus madagascariensis</i> . <i>Biochemical Journal</i> , 2005, 388, 263-271.   | 3.7  | 73        |
| 6  | Solution NMR Structure of the C-terminal EF-hand Domain of Human Cardiac Sodium Channel NaV1.5. <i>Journal of Biological Chemistry</i> , 2009, 284, 6436-6445.  | 3.4  | 65        |
| 7  | Solution structure of APETx2, a specific peptide inhibitor of ASIC3 proton-gated channels. <i>Protein Science</i> , 2005, 14, 2003-2010.  | 7.6  | 61        |
| 8  | Solution structure of Phrixotoxin 1, a specific peptide inhibitor of Kv4 potassium channels from the venom of the theraphosid spider <i>Phrixotrichus auratus</i> . <i>Protein Science</i> , 2004, 13, 1197-1208.                 | 7.6  | 47        |
| 9  | Characterization of Intersubunit Communication in the Virginiamycin <i>trans</i> -Acyl Transferase Polyketide Synthase. <i>Journal of the American Chemical Society</i> , 2016, 138, 4155-4167.                                   | 13.7 | 42        |
| 10 | Solution structure of APETx1 from the sea anemone <i>Anthopleura elegantissima</i> : A new fold for an HERG toxin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 380-386.                                   | 2.6  | 35        |
| 11 | Insights into the function of <i>trans</i> -acyl transferase polyketide synthases from the SAXS structure of a complete module. <i>Chemical Science</i> , 2014, 5, 3081-3095.   | 7.4  | 33        |
| 12 | Solution structure of two insect-specific spider toxins and their pharmacological interaction with the insect voltage-gated Na <sup>+</sup> channel. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 368-379. | 2.6  | 31        |
| 13 | Solution structure of PcFK1, a spider peptide active against <i>Plasmodium falciparum</i> . <i>Protein Science</i> , 2006, 15, 628-634.   | 7.6  | 24        |
| 14 | Bacteriophage SPP1 Tail Tube Protein Self-assembles into $\beta$ -Structure-rich Tubes. <i>Journal of Biological Chemistry</i> , 2015, 290, 3836-3849.  | 3.4  | 24        |
| 15 | Solution NMR Structure of the C-terminal DNA Binding Domain of Mcm10 Reveals a Conserved MCM Motif. <i>Journal of Biological Chemistry</i> , 2010, 285, 22942-22949.  | 3.4  | 19        |
| 16 | Insights into a dual function amide oxidase/macrocyclase from lankacidin biosynthesis. <i>Nature Communications</i> , 2018, 9, 3998.  | 12.8 | 17        |
| 17 | Solution structure of gp17 from the <i>Siphoviridae</i> bacteriophage SPP1: Insights into its role in virion assembly. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 319-326.                               | 2.6  | 15        |
| 18 | Increasing the molecular contacts between maurotoxin and Kv1.2 channel augments ligand affinity. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 60, 401-411.   | 2.6  | 10        |

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|----|--|-----|-----------|
| 19 | Towards improved understanding of intersubunit interactions in modular polyketide biosynthesis: Docking in the enacyloxin IIa polyketide synthase. <i>Journal of Structural Biology</i> , 2020, 212, 107581. | 2.8 | 9         |
| 20 | NMR Studies of the Interaction of Calmodulin with IQ Motif Peptides. <i>Methods in Molecular Biology</i> , 2013, 963, 173-186.   | 0.9 | 6         |
| 21 | Mapping Residues that Influence Fast Inactivation Within Ca-Sensing Domains in the Nav1.5 C-Terminus. <i>Biophysical Journal</i> , 2011, 100, 423a.  | 0.5 | 1         |
| 22 | Function of polyketide synthases from the SAXS structure of a complete module. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C407-C407.                                      | 0.1 | 0         |