

# Christoph Thomas

## List of Publications by Year in descending order

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22  
papers

2,020  
citations

394286

19  
h-index

677027

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2809  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Structural Linkage between Ligand Discrimination and Receptor Activation by Type I Interferons. <i>Cell</i> , 2011, 146, 621-632.  | 13.5 | 310       |
| 2  | A new family of RhoGEFs activates the Rop molecular switch in plants. <i>Nature</i> , 2005, 436, 1176-1180.  | 13.7 | 255       |
| 3  | Structural and Mechanistic Principles of ABC Transporters. <i>Annual Review of Biochemistry</i> , 2020, 89, 605-636.   | 5.0  | 252       |
| 4  | Conformation space of a heterodimeric ABC exporter under turnover conditions. <i>Nature</i> , 2019, 571, 580-583.  | 13.7 | 185       |
| 5  | Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , 2020, 594, 3767-3775.  | 1.3  | 169       |
| 6  | Structure of the TAPBPR-MHC I complex defines the mechanism of peptide loading and editing. <i>Science</i> , 2017, 358, 1060-1064.   | 6.0  | 115       |
| 7  | Structure of the activating IL-1 receptor signaling complex. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 455-457.   | 3.6  | 100       |
| 8  | Structural Evidence for a Common Intermediate in Small G Protein-GEF Reactions. <i>Molecular Cell</i> , 2007, 25, 141-149.   | 4.5  | 92        |
| 9  | Structural basis for IL-12 and IL-23 receptor sharing reveals a gateway for shaping actions on T versus NK cells. <i>Cell</i> , 2021, 184, 983-999.e24.  | 13.5 | 78        |
| 10 | Multifaceted structures and mechanisms of ABC transport systems in health and disease. <i>Current Opinion in Structural Biology</i> , 2018, 51, 116-128.   | 2.6  | 74        |
| 11 | Crystal structure and mechanistic basis of a functional homolog of the antigen transporter TAP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E438-E447. | 3.3  | 67        |
| 12 | Proofreading of Peptide-MHC Complexes through Dynamic Multivalent Interactions. <i>Frontiers in Immunology</i> , 2017, 8, 65.  | 2.2  | 58        |
| 13 | Instructive roles for cytokine-receptor binding parameters in determining signaling and functional potency. <i>Science Signaling</i> , 2015, 8, ra114.   | 1.6  | 57        |
| 14 | Mechanistic Basis for Epitope Proofreading in the Peptide-Loading Complex. <i>Journal of Immunology</i> , 2015, 195, 4503-4513.  | 0.4  | 43        |
| 15 | MHC I chaperone complexes shaping immunity. <i>Current Opinion in Immunology</i> , 2019, 58, 9-15.   | 2.4  | 41        |
| 16 | A loop structure allows TAPBPR to exert its dual function as MHC I chaperone and peptide editor. <i>ELife</i> , 2020, 9, .   | 2.8  | 33        |
| 17 | MHC I assembly and peptide editing - chaperones, clients, and molecular plasticity in immunity. <i>Current Opinion in Immunology</i> , 2021, 70, 48-56.  | 2.4  | 30        |
| 18 | 3D structure of a binary ROP-PRONE complex: the final intermediate for a complete set of molecular snapshots of the RopGEF reaction. <i>Biological Chemistry</i> , 2009, 390, 427-435.                         | 1.2  | 26        |

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|----|--|-----|-----------|
| 19 | The Role of the Conserved Switch II Glutamate in Guanine Nucleotide Exchange Factor-Mediated Nucleotide Exchange of GTP-Binding Proteins. <i>Journal of Molecular Biology</i> , 2008, 379, 51-63.                                      | 2.0 | 24        |
| 20 | Purification and crystallization of the catalytic PRONE domain of RopGEF8 and its complex with Rop4 from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 607-610. | 0.7 | 6         |
| 21 | Structure and Function of ROPs and their GEFs. <i>Signaling and Communication in Plants</i> , 2010, , 49-69.   | 0.5 | 3         |
| 22 | Purification, crystallization and preliminary X-ray diffraction analysis of the plant Rho protein ROP5. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 1070-1072.                              | 0.7 | 2         |