

# Christopher P Garnham

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12031879/publications.pdf>

Version: 2024-02-01

17  
papers

1,563  
citations

516215

16  
h-index

887659

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1581  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anchored clathrate waters bind antifreeze proteins to ice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7363-7367.	3.3	325
2	The basis for hyperactivity of antifreeze proteins. Cryobiology, 2006, 53, 229-239.	0.3	225
3	Writing and Reading the Tubulin Code. Journal of Biological Chemistry, 2015, 290, 17163-17172.	1.6	166
4	The chemical complexity of cellular microtubules: Tubulin post-translational modification enzymes and their roles in tuning microtubule functions. Cytoskeleton, 2012, 69, 442-463.	1.0	144
5	A Ca <sup>2+</sup> -dependent bacterial antifreeze protein domain has a novel $\beta^2$ -helical ice-binding fold. Biochemical Journal, 2008, 411, 171-180.	1.7	124
6	Novel dimeric $\beta^2$ -helical model of an ice nucleation protein with bridged active sites. BMC Structural Biology, 2011, 11, 36.	2.3	107
7	Ice-binding site of snow mold fungus antifreeze protein deviates from structural regularity and high conservation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9360-9365.	3.3	92
8	Multivalent Microtubule Recognition by Tubulin Tyrosine Ligase-like Family Glutamylases. Cell, 2015, 161, 1112-1123.	13.5	83
9	Compound Ice-Binding Site of an Antifreeze Protein Revealed by Mutagenesis and Fluorescent Tagging. Biochemistry, 2010, 49, 9063-9071.	1.2	75
10	Re-Evaluation of a Bacterial Antifreeze Protein as an Adhesin with Ice-Binding Activity. PLoS ONE, 2012, 7, e48805.	1.1	57
11	Generation of Differentially Modified Microtubules Using In Vitro Enzymatic Approaches. Methods in Enzymology, 2014, 540, 149-166.	0.4	35
12	Determining the Ice-binding Planes of Antifreeze Proteins by Fluorescence-based Ice Plane Affinity. Journal of Visualized Experiments, 2014, , e51185.	0.2	31
13	Engineering a naturally inactive isoform of type III antifreeze protein into one that can stop the growth of ice. FEBS Letters, 2012, 586, 3876-3881.	1.3	27
14	Limb-Girdle Muscular Dystrophy Type 2A Can Result from Accelerated Autoproteolytic Inactivation of Calpain 3. Biochemistry, 2009, 48, 3457-3467.	1.2	21
15	Role of Ca <sup>2+</sup> in folding the tandem $\beta^2$ -sandwich extender domains of a bacterial ice-binding adhesin. FEBS Journal, 2013, 280, 5919-5932.	2.2	20
16	Crystal structure of tubulin tyrosine ligase-like 3 reveals essential architectural elements unique to tubulin monoglycylases. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6545-6550.	3.3	19
17	Phosphinic acid-based inhibitors of tubulin polyglutamylases. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4408-4412.	1.0	12