Christopher Johnson

List of Publications by Year
in descending order

33	2,323	257101 24	395343 33
papers	citations	h-index	g-index

35	35	35	4037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibodies mediate intracellular immunity through tripartite motif-containing 21 (TRIM21). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19985-19990.	3.3	408
2	Differential scanning calorimetry as a tool for protein folding and stability. Archives of Biochemistry and Biophysics, 2013, 531, 100-109.	1.4	289
3	Mouse SLX4 Is a Tumor Suppressor that Stimulates the Activity of the Nuclease XPF-ERCC1 in DNA Crosslink Repair. Molecular Cell, 2014, 54, 472-484.	4.5	126
4	Wnt Signalosome Assembly by DEP Domain Swapping of Dishevelled. Molecular Cell, 2016, 64, 92-104.	4.5	125
5	Direct observation of ultrafast folding and denatured state dynamics in single protein molecules. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18569-18574.	3.3	109
6	A Flat BAR Protein Promotes Actin Polymerization at the Base of Clathrin-Coated Pits. Cell, 2018, 174, 325-337.e14.	13.5	94
7	Architecture of human Rag GTPase heterodimers and their complex with mTORC1. Science, 2019, 366, 203-210.	6.0	89
8	Novel microscale approaches for easy, rapid determination of protein stability in academic and commercial settings. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2241-2250.	1.1	76
9	Tor forms a dimer through an N-terminal helical solenoid with a complex topology. Nature Communications, 2016, 7, 11016.	5.8	76
10	Design of highly stable functional GroEL minichaperones. Protein Science, 1999, 8, 2186-2193.	3.1	73
11	RNA-directed activation of cytoplasmic dynein-1 in reconstituted transport RNPs. ELife, 2018, 7, .	2.8	72
12	Fold stability during endolysosomal acidification is a key factor for allergenicity and immunogenicity of the major birch pollen allergen. Journal of Allergy and Clinical Immunology, 2016, 137, 1525-1534.	1.5	69
13	The N-terminal domains of spider silk proteins assemble ultrafast and protected from charge screening. Nature Communications, 2013, 4, 2815.	5.8	65
14	pH-Driven RNA Strand Separation under Prebiotically Plausible Conditions. Biochemistry, 2018, 57, 6382-6386.	1.2	58
15	Intracellular antibody signalling is regulated by phosphorylation of the Fc receptor TRIM21. ELife, 2018, 7, .	2.8	57
16	Structural Interactions between Inhibitor and Substrate Docking Sites Give Insight into Mechanisms of Human PS1 Complexes. Structure, 2014, 22, 125-135.	1.6	56
17	Characterization of Atg38 and NRBF2, a fifth subunit of the autophagic Vps34/PIK3C3 complex. Autophagy, 2016, 12, 2129-2144.	4.3	52
18	Ubiquitination of the Dishevelled DIX domain blocks its head-to-tail polymerization. Nature Communications, 2015, 6, 6718.	5.8	50

#	Article	IF	Citations
19	An ancient Pygo-dependent Wnt enhanceosome integrated by Chip/LDB-SSDP. ELife, 2015, 4, .	2.8	49
20	Target-induced clustering activates Trim-Away of pathogens and proteins. Nature Structural and Molecular Biology, 2021, 28, 278-289.	3.6	44
21	Microsecond Folding and Domain Motions of a Spider Silk Protein Structural Switch. Journal of the American Chemical Society, 2014, 136, 17136-17144.	6.6	39
22	TCTP contains a BH3-like domain, which instead of inhibiting, activates Bcl-xL. Scientific Reports, 2016, 6, 19725.	1.6	39
23	Exploration of Protein Unfolding by Modelling Calorimetry Data from Reheating. Scientific Reports, 2017, 7, 16321.	1.6	39
24	Membrane characteristics tune activities of endosomal and autophagic human VPS34 complexes. ELife, 2020, 9, .	2.8	34
25	Effect of structural stability on endolysosomal degradation and Tâ€cell reactivity of major shrimp allergen tropomyosin. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2909-2919.	2.7	25
26	Methionine in a protein hydrophobic core drives tight interactions required for assembly of spider silk. Nature Communications, 2019, 10, 4378.	5.8	23
27	CTNNBL1 facilitates the association of CWC15 with CDC5L and is required to maintain the abundance of the Prp19 spliceosomal complex. Nucleic Acids Research, 2015, 43, 7058-7069.	6.5	19
28	CCDC61/VFL3 Is a Paralog of SAS6 and Promotes Ciliary Functions. Structure, 2020, 28, 674-689.e11.	1.6	16
29	Increased rates of tRNA charging through modification of the enzyme-aminoacyl-adenylate complex of phenylalanyl-tRNA synthetase. FEBS Letters, 1995, 358, 293-296.	1.3	14
30	Hexameric assembly of the AAA+ protein McrB is necessary for GTPase activity. Nucleic Acids Research, 2019, 47, 868-882.	6.5	11
31	Conservation of folding and association within a family of spidroin N-terminal domains. Scientific Reports, 2017, 7, 16789.	1.6	10
32	Isothermal Titration Calorimetry. Methods in Molecular Biology, 2021, 2263, 135-159.	0.4	10
33	Signalling lymphocyte activation molecule family member 9 is found on select subsets of antigenâ€presenting cells and promotes resistance to Salmonella infection. Immunology, 2020, 159, 393-403.	2.0	7