Calvin K Yip

List of Publications by Year
in descending order

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43 papers	9,240 citations	304602 22 h-index	276775 41 g-index
43 all docs	43 docs citations	43 times ranked	19085 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Accurate prediction of protein structures and interactions using a three-track neural network. Science, 2021, 373, 871-876.	6.0	2,843
3	Structure of the Human mTOR Complex I and Its Implications for Rapamycin Inhibition. Molecular Cell, 2010, 38, 768-774.	4.5	347
4	Structural characterization of the molecular platform for type III secretion system assembly. Nature, 2005, 435, 702-707.	13.7	169
5	Structural characterization of a type III secretion system filament protein in complex with its chaperone. Nature Structural and Molecular Biology, 2005, 12, 75-81.	3.6	106
6	Structure of EspB from the ESX-1 Type VII Secretion System and Insights into its Export Mechanism. Structure, 2015, 23, 571-583.	1.6	85
7	Atg29 phosphorylation regulates coordination of the Atg17-Atg31-Atg29 complex with the Atg11 scaffold during autophagy initiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2875-84.	3.3	81
8	Molecular organization of the COG vesicle tethering complex. Nature Structural and Molecular Biology, 2010, 17, 1292-1297.	3.6	79
9	Molecular architecture of the TRAPPII complex and implications for vesicle tethering. Nature Structural and Molecular Biology, 2010, 17, 1298-1304.	3.6	70
10	Conformational Flexibility and Subunit Arrangement of the Modular Yeast Spt-Ada-Gcn5 Acetyltransferase Complex. Journal of Biological Chemistry, 2015, 290, 10057-10070.	1.6	59
11	Beclin 1-Vps34 complex architecture: Understanding the nuts and bolts of therapeutic targets. Frontiers in Biology, 2015, 10, 398-426.	0.7	48
12	Molecular architecture of the complete COG tethering complex. Nature Structural and Molecular Biology, 2016, 23, 758-760.	3.6	47
13	The Atg17-Atg31-Atg29 Complex Coordinates with Atg11 to Recruit the Vam7 SNARE and Mediate Autophagosome-Vacuole Fusion. Current Biology, 2016, 26, 150-160.	1.8	45
14	New structural insights into the bacterial type III secretion system. Trends in Biochemical Sciences, 2006, 31, 223-230.	3.7	41
15	Mapping the Broad Structural and Mechanical Properties of Amyloid Fibrils. Biophysical Journal, 2017, 112, 584-594.	0.2	40
16	The 5â€² Untranslated Region of a Novel Infectious Molecular Clone of the Dicistrovirus Cricket Paralysis Virus Modulates Infection. Journal of Virology, 2015, 89, 5919-5934.	1.5	37
17	Molecular architecture of the yeast Elongator complex reveals an unexpected asymmetric subunit arrangement. EMBO Reports, 2017, 18, 280-291.	2.0	35
18	Structural characterization of theSaccharomyces cerevisiaeautophagy regulatory complex Atg17-Atg31-Atg29. Autophagy, 2013, 9, 1467-1474.	4.3	33

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19	Molecular interactions of theSaccharomyces cerevisiaeAtg1 complex provide insights into assembly and regulatory mechanisms. Autophagy, 2015, 11, 891-905.	4.3	31
20	The Gene Transfer Agent RcGTA Contains Head Spikes Needed for Binding to the Rhodobacter capsulatus Polysaccharide Cell Capsule. Journal of Molecular Biology, 2016, 428, 477-491.	2.0	30
21	Structural insights into the function of Elongator. Cellular and Molecular Life Sciences, 2018, 75, 1613-1622.	2.4	30
22	Molecular Architecture of Yeast Chromatin Assembly Factor 1. Scientific Reports, 2016, 6, 26702.	1.6	26
23	Molecular Architecture of the Essential Yeast Histone Acetyltransferase Complex NuA4 Redefines Its Multimodularity. Molecular and Cellular Biology, 2018, 38, .	1.1	25
24	Probing the Architecture, Dynamics, and Inhibition of the PI4KIIIÎ±/TTC7/FAM126 Complex. Journal of Molecular Biology, 2018, 430, 3129-3142.	2.0	25
25	Structure of the phosphoinositide 3-kinase (PI3K) p110Î³-p101 complex reveals molecular mechanism of GPCR activation. Science Advances, 2021, 7, .	4.7	25
26	The Protease ClpXP and the PAS Domain Protein DivL Regulate CtrA and Gene Transfer Agent Production in Rhodobacter capsulatus. Applied and Environmental Microbiology, 2018, 84, .	1.4	22
27	Conserved and unique features of the fission yeast core Atg1 complex. Autophagy, 2017, 13, 2018-2027.	4.3	21
28	Targeting AXL kinase sensitizes leukemic stem and progenitor cells to venetoclax treatment in acute myeloid leukemia. Blood, 2021, 137, 3641-3655.	0.6	20
29	Molecular Structure and Flexibility of the Yeast Coatomer as Revealed by Electron Microscopy. Journal of Molecular Biology, 2011, 408, 825-831.	2.0	17
30	Cog-Wheel Octameric Structure of RS1, the Discoidin Domain Containing Retinal Protein Associated with X-Linked Retinoschisis. PLoS ONE, 2016, 11, e0147653.	1.1	17
31	The substrate specificity of the human TRAPPII complexâ€™s Rab-guanine nucleotide exchange factor activity. Communications Biology, 2020, 3, 735.	2.0	16
32	Insights on autophagosomeâ€“lysosome tethering from structural and biochemical characterization of human autophagy factor EPG5. Communications Biology, 2021, 4, 291.	2.0	12
33	The sole LSm complex in Cyanidioschyzon merolae associates with pre-mRNA splicing and mRNA degradation factors. Rna, 2017, 23, 952-967.	1.6	11
34	HDX-MS-optimized approach to characterize nanobodies as tools for biochemical and structural studies of class IB phosphoinositide 3-kinases. Structure, 2021, 29, 1371-1381.e6.	1.6	10
35	Biochemical Insight into Novel Rab-GEF Activity of the Mammalian TRAPPIII Complex. Journal of Molecular Biology, 2021, 433, 167145.	2.0	10
36	Transmission of Cricket paralysis virus via exosome-like vesicles during infection of Drosophila cells. Scientific Reports, 2018, 8, 17353.	1.6	8

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37	Structural biology of the macroautophagy machinery. Frontiers in Biology, 2014, 9, 18-34.	0.7	5
38	Unusual pairing between assistants: Interaction of the twin-arginine system-specific chaperone DmsD with the chaperonin GroEL. Biochemical and Biophysical Research Communications, 2015, 456, 841-846.	1.0	4
39	Characterizing the molecular architectures of chromatin-modifying complexes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1613-1622.	1.1	3
40	Recent Advances in Single-Particle Electron Microscopic Analysis of Autophagy Degradation Machinery. International Journal of Molecular Sciences, 2020, 21, 8051.	1.8	3
41	Biochemical and Structural Characterization of Human Core Elongator and Its Subassemblies. ACS Omega, 2022, 7, 3424-3433.	1.6	3
42	Host Receptors of Bacterial Origin. , 0, , 49-68.		0
43	Targeting AXL Kinase Sensitizes Acute Myeloid Leukemia Stem and Progenitor Cells to Venetoclax Treatment. Blood, 2020, 136, 20-20.	0.6	0