Mary Munson

List of Publications by Year
in descending order

55 papers	3,746 citations	159585 30 h-index	189892 50 g-index
62 all docs	62 docs citations	62 times ranked	4168 citing authors

#	Article	IF	Citations
1	TBC-domain GAPs for Rab GTPases accelerate GTP hydrolysis by a dual-finger mechanism. Nature, 2006, 442, 303-306.	27.8	292
2	Sec1p Binds to SNARE Complexes and Concentrates at Sites of Secretion. Journal of Cell Biology, 1999, 146, 333-344.	5.2	290
3	Exorcising the Exocyst Complex. Traffic, 2012, 13, 898-907.	2.7	287
4	The exocyst defrocked, a framework of rods revealed. Nature Structural and Molecular Biology, 2006, 13, 577-581.	8.2	250
5	Regulation of SNARE complex assembly by an N-terminal domain of the t-SNARE Sso1p. Nature Structural Biology, 1998, 5, 793-802.	9.7	193
6	What makes a protein a protein? Hydrophobic core designs that specify stability and structural properties. Protein Science, 1996, 5, 1584-1593.	7.6	189
7	Regulation of the PTEN phosphatase. Gene, 2006, 374, 1-9.	2.2	168
8	Interactions within the yeast t-SNARE Sso1p that control SNARE complex assembly. Nature Structural Biology, 2000, 7, 894-902.	9.7	146
9	Myosin V Transports Secretory Vesicles via a Rab GTPase Cascade and Interaction with the Exocyst Complex. Developmental Cell, 2011, 21, 1156-1170.	7.0	140
10	Redesigning the hydrophobic core of a fourâ€helixâ€bundle protein. Protein Science, 1994, 3, 2015-2022.	7.6	130
11	A Cytosolic ATM/NEMO/RIP1 Complex Recruits TAK1 To Mediate the NF-ÎºB and p38 Mitogen-Activated Protein Kinase (MAPK)/MAPK-Activated Protein 2 Responses to DNA Damage. Molecular and Cellular Biology, 2011, 31, 2774-2786.	2.3	118
12	Crystal Structure of the APOBEC3G Catalytic Domain Reveals Potential Oligomerization Interfaces. Structure, 2010, 18, 28-38.	3.3	116
13	SNARE complex assembly and disassembly. Current Biology, 2018, 28, R397-R401.	3.9	116
14	Subunit connectivity, assembly determinants and architecture of the yeast exocyst complex. Nature Structural and Molecular Biology, 2016, 23, 59-66.	8.2	108
15	Regulation of exocytosis by the exocyst subunit Sec6 and the SM protein Sec1. Molecular Biology of the Cell, 2012, 23, 337-346.	2.1	98
16	Dimerization of the Exocyst Protein Sec6p and Its Interaction with the t-SNARE Sec9p. Biochemistry, 2005, 44, 6302-6311.	2.5	93
17	The structure of the exocyst subunit Sec6p defines a conserved architecture with diverse roles. Nature Structural and Molecular Biology, 2006, 13, 555-556.	8.2	89
18	PTEN Phosphatase Selectively Binds Phosphoinositides and Undergoes Structural Changes. Biochemistry, 2008, 47, 2162-2171.	2.5	72

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19	Specific SNARE complex binding mode of the Sec1/Munc-18 protein, Sec1p. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17730-17735.	7.1	69
20	Exposing the Elusive Exocyst Structure. Trends in Biochemical Sciences, 2018, 43, 714-725.	7.5	58
21	Speeding up protein folding: mutations that increase the rate at which Rop folds and unfolds by over four orders of magnitude. Folding & Design, 1997, 2, 77-87.	4.5	56
22	The N-terminal peptide of the syntaxin Tlg2p modulates binding of its closed conformation to Vps45p. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14303-14308.	7.1	50
23	Three steps forward, two steps back: mechanistic insights into the assembly and disassembly of the SNARE complex. Current Opinion in Chemical Biology, 2015, 29, 66-71.	6.1	49
24	The Exocyst Subunit Sec6 Interacts with Assembled Exocytic SNARE Complexes. Journal of Biological Chemistry, 2015, 290, 28245-28256.	3.4	47
25	The Secret Life of Tethers: The Role of Tethering Factors in SNARE Complex Regulation. Frontiers in Cell and Developmental Biology, 2016, 4, 42.	3.7	43
26	Sec6p Anchors the Assembled Exocyst Complex at Sites of Secretion. Molecular Biology of the Cell, 2009, 20, 973-982.	2.1	39
27	The structure of the Myo4p globular tail and its function in ASH1 mRNA localization. Journal of Cell Biology, 2010, 189, 497-510.	5.2	36
28	ColE1-compatible vectors for high-level expression of cloned DNAs from the T7 promoter. Gene, 1994, 144, 59-62.	2.2	34
29	Conformational Regulation of SNARE Assembly and Disassembly in Vivo. Journal of Biological Chemistry, 2002, 277, 9375-9381.	3.4	34
30	A mutant form of PTEN linked to autism. Protein Science, 2010, 19, 1948-1956.	7.6	34
31	Exocyst structural changes associated with activation of tethering downstream of Rho/Cdc42 GTPases. Journal of Cell Biology, 2020, 219, .	5.2	32
32	Dissecting the Structural Dynamics of the Nuclear Pore Complex. Molecular Cell, 2021, 81, 153-165.e7.	9.7	31
33	Integrative structure and function of the yeast exocyst complex. Protein Science, 2020, 29, 1486-1501.	7.6	29
34	Conservation of Helical Bundle Structure between the Exocyst Subunits. PLoS ONE, 2009, 4, e4443.	2.5	27
35	The Trypanosome Exocyst: A Conserved Structure Revealing a New Role in Endocytosis. PLoS Pathogens, 2017, 13, e1006063.	4.7	27
36	Functional homology of mammalian syntaxin 16 and yeast Tlg2p reveals a conserved regulatory mechanism. Journal of Cell Science, 2009, 122, 2292-2299.	2.0	25

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37	Tag team action at the synapse. EMBO Reports, 2007, 8, 834-838.	4.5	24
38	A role for the syntaxin N-terminus. Biochemical Journal, 2009, 418, e1-e3.	3.7	17
39	Autoinhibition of SNARE complex assembly by a conformational switch represents a conserved feature of syntaxins. Biochemical Society Transactions, 2010, 38, 209-212.	3.4	17
40	A novel homozygous VPS45 p.P468L mutation leading to severe congenital neutropenia with myelofibrosis. Pediatric Blood and Cancer, 2017, 64, e26571.	1.5	14
41	Rabâ€Ł and its interaction with myosin XI are essential for polarised cell growth. New Phytologist, 2021, 229, 1924-1936.	7.3	13
42	Getting mRNA-Containing Ribonucleoprotein Granules Out of a Nuclear Back Door. Neuron, 2017, 96, 604-615.	8.1	12
43	Tip20p reaches out to Dsl1p to tether membranes. Nature Structural and Molecular Biology, 2009, 16, 100-102.	8.2	7
44	Synaptic-vesicle fusion: a need for speed. Nature Structural and Molecular Biology, 2015, 22, 509-511.	8.2	4
45	Studying Î±-helix and Î²-sheet formation in small proteins. Techniques in Protein Chemistry, 1995, 6, 323-332.	0.3	3
46	Capturing endosomal vesicles at the Golgi. Nature Cell Biology, 2017, 19, 1384-1386.	10.3	3
47	Show Me the MUN-y. Structure, 2011, 19, 1348-1349.	3.3	2
48	Membrane trafficking: vesicle formation, cargo sorting and fusion. Molecular Biology of the Cell, 2020, 31, 399-400.	2.1	2
49	De Novo Design of Protein Structure and Function. , 1998, , 313-353.		2
50	Introduction. Protein Science, 2020, 29, 1255-1257.	7.6	1
51	Retro Is Cool: Structure of the Versatile Retromer Complex. Structure, 2020, 28, 387-389.	3.3	1
52	Activation of the Exocyst Tethering Complex for SNARE Complex Regulation and Membrane Fusion. FASEB Journal, 2021, 35, .	0.5	0
53	Spectroscopic characterization of PTEN/PIP2 interaction. FASEB Journal, 2006, 20, A483.	0.5	0
54	Vps45pâ€"a paradigm for Sec1p/Munc18 protein function. FASEB Journal, 2009, 23, 683.5.	0.5	0

#	Article	IF	Citations
55	To protect or reject. ELife, 2014, 3, e03374.	6.0	0