Melanie Schwarten

List of Publications by Year
in descending order

36 papers	5,774 citations	394421 19 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	15627 citing authors

#	Article	IF	Citations
1	Deficiency of GABARAP but Not Its Paralogs Causes Enhanced EGF-Induced EGFR Degradation. Cells, 2020, 9, 1296.	4.1	3
2	Structural Studies of Autophagy-Related Proteins. Methods in Molecular Biology, 2019, 1880, 17-56.	0.9	2
3	In Vitro Reconstitution of the Highly Active and Natively Folded Recombinant Human Superoxide Dismutase 1 Holoenzyme. ChemistrySelect, 2018, 3, 7627-7632.	1.5	1
4	Pyroglutamate-modified AÎ²(3-42) affects aggregation kinetics of AÎ²(1-42) by accelerating primary and secondary pathways. Chemical Science, 2017, 8, 4996-5004.	7.4	33
5	Pyroglutamate-Modified Amyloid-Î²(3â€“42) Shows Î±-Helical Intermediates before Amyloid Formation. Biophysical Journal, 2017, 112, 1621-1633.	0.5	22
6	Direct binding to GABARAP family members is essential for HIV-1 Nef plasma membrane localization. Scientific Reports, 2017, 7, 5979.	3.3	11
7	The Atg8 Family of Proteinsâ€”Modulating Shape and Functionality of Autophagic Membranes. Frontiers in Genetics, 2017, 8, 109.	2.3	36
8	Investigating Structure and Dynamics of Atg8 Family Proteins. Methods in Enzymology, 2017, 587, 115-142.	1.0	5
9	Mechanism-based inhibition of an aldolase at high concentrations of its natural substrate acetaldehyde: structural insights and protective strategies. Chemical Science, 2016, 7, 4492-4502.	7.4	49
10	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
11	Sequence-specific 1H, 15N, and 13C resonance assignments of the autophagy-related protein LC3C. Biomolecular NMR Assignments, 2016, 10, 41-43.	0.8	2
12	Cytoplasmic Domain of Dengue Virus Protein NS4A Preferentially Binds Highly Curved Membranes. Biophysical Journal, 2015, 108, 246a.	0.5	0
13	Amino Terminal Region of Dengue Virus NS4A Cytosolic Domain Binds to Highly Curved Liposomes. Viruses, 2015, 7, 4119-4130.	3.3	21
14	Purification and Characterization of Recombinant N-Terminally Pyroglutamate-Modified Amyloid-Î² Variants and Structural Analysis by Solution NMR Spectroscopy. PLoS ONE, 2015, 10, e0139710.	2.5	21
15	Structural Analysis and Aggregation Propensity of Pyroglutamate AÎ²(3-40) in Aqueous Trifluoroethanol. PLoS ONE, 2015, 10, e0143647.	2.5	27
16	Dengue virus NS4A cytoplasmic domain binding to liposomes is sensitive to membrane curvature. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1119-1126.	2.6	20
17	The mammalian autophagy initiator complex contains 2 HORMA domain proteins. Autophagy, 2015, 11, 2300-2308.	9.1	26
18	The Disordered Region of the HCV Protein NS5A: Conformational Dynamics, SH3 Binding, and Phosphorylation. Biophysical Journal, 2015, 109, 1483-1496.	0.5	19

#	Article	IF	Citations
19	Conformational Polymorphism in Autophagy-Related Protein GATE-16. Biochemistry, 2015, 54, 5469-5479.	2.5	17
20	Hepatitis C virus NS5A is able to competitively displace c-Myc from the Bin1 SH3 domainin vitro. Journal of Peptide Science, 2014, 20, 334-340.	1.4	8
21	The non-structural protein 5A (NS5A) of hepatitis C virus interacts with the SH3 domain of human Bin1 using non-canonical binding sites. European Journal of Medical Research, 2014, 19, .	2.2	0
22	Analysis of the Bin1 SH3 interaction with peptides derived from the hepatitis C virus protein NS5A and c-Myc reveals that NS5A can competitively displace c-Myc in vitro. European Journal of Medical Research, 2014, 19, S10.	2.2	1
23	Interaction of Nonstructural Protein 5A of the Hepatitis C Virus with Src Homology 3 Domains Using Noncanonical Binding Sites. Biochemistry, 2013, 52, 6160-6168.	2.5	21
24	Interaction of Bcl-2 with the Autophagy-related GABAA Receptor-associated Protein (GABARAP). Journal of Biological Chemistry, 2013, 288, 37204-37215.	3.4	27
25	BEST-TROSY experiments for time-efficient sequential resonance assignment of large disordered proteins. Journal of Biomolecular NMR, 2013, 55, 311-321.	2.8	193
26	Transient Structure and SH3 Interaction Sites in an Intrinsically Disordered Fragment of the Hepatitis C Virus Protein NS5A. Journal of Molecular Biology, 2012, 420, 310-323.	4.2	49
27	Preparation of a Functional GABARAPâ€“Lipid Conjugate in Nanodiscs and its Investigation by Solution NMR Spectroscopy. ChemBioChem, 2010, 11, 1967-1970.	2.6	26
28	Ras Homolog Enriched in Brain (Rheb) Enhances Apoptotic Signaling*. Journal of Biological Chemistry, 2010, 285, 33979-33991.	3.4	49
29	Solution structure of Atg8 reveals conformational polymorphism of the N-terminal domain. Biochemical and Biophysical Research Communications, 2010, 395, 426-431.	2.1	23
30	Nix directly binds to GABARAP: A possible crosstalk between apoptosis and autophagy. Autophagy, 2009, 5, 690-698.	9.1	212
31	Sequence-specific 1H, 13C, and 15N resonance assignment of the autophagy-related protein Atg8. Biomolecular NMR Assignments, 2009, 3, 137-139.	0.8	5
32	Comparative modeling of human NSF reveals a possible binding mode of GABARAP and GATEâ€16. Proteins: Structure, Function and Bioinformatics, 2009, 77, 637-646.	2.6	17
33	Structure and potential function of Î³â€aminobutyrate type A receptorâ€associated protein. FEBS Journal, 2009, 276, 4989-5005.	4.7	33
34	Biochemical characterisation of TCTP questions its function as a guanine nucleotide exchange factor for Rheb. FEBS Letters, 2008, 582, 3005-3010.	2.8	76
35	Sequence-specific 1H, 13C, and 15N backbone assignment of the GTPase rRheb in its GDP-bound form. Biomolecular NMR Assignments, 2007, 1, 45-47.	0.8	10
36	Sequence-specific 1H, 13C, and 15N backbone assignment of the activated 21 kDa GTPase rRheb. Biomolecular NMR Assignments, 2007, 1, 105-108.	0.8	8