

# Melanie Schwarten

## List of Publications by Year in descending order

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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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Nix directly binds to GABARAP: A possible crosstalk between apoptosis and autophagy. <i>Autophagy</i> , 2009, 5, 690-698.	9.1	212
3	BEST-TROSY experiments for time-efficient sequential resonance assignment of large disordered proteins. <i>Journal of Biomolecular NMR</i> , 2013, 55, 311-321.	2.8	193
4	Biochemical characterisation of TCTP questions its function as a guanine nucleotide exchange factor for Rheb. <i>FEBS Letters</i> , 2008, 582, 3005-3010.	2.8	76
5	Ras Homolog Enriched in Brain (Rheb) Enhances Apoptotic Signaling*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33979-33991.	3.4	49
6	Transient Structure and SH3 Interaction Sites in an Intrinsically Disordered Fragment of the Hepatitis C Virus Protein NS5A. <i>Journal of Molecular Biology</i> , 2012, 420, 310-323.	4.2	49
7	Mechanism-based inhibition of an aldolase at high concentrations of its natural substrate acetaldehyde: structural insights and protective strategies. <i>Chemical Science</i> , 2016, 7, 4492-4502.	7.4	49
8	The Atg8 Family of Proteins Modulating Shape and Functionality of Autophagic Membranes. <i>Frontiers in Genetics</i> , 2017, 8, 109.	2.3	36
9	Structure and potential function of $\gamma$ -aminobutyrate type A receptor-associated protein. <i>FEBS Journal</i> , 2009, 276, 4989-5005.	4.7	33
10	Pyroglutamate-modified A $\beta$ (3-42) affects aggregation kinetics of A $\beta$ (1-42) by accelerating primary and secondary pathways. <i>Chemical Science</i> , 2017, 8, 4996-5004.	7.4	33
11	Interaction of Bcl-2 with the Autophagy-related GABAA Receptor-associated Protein (GABARAP). <i>Journal of Biological Chemistry</i> , 2013, 288, 37204-37215.	3.4	27
12	Structural Analysis and Aggregation Propensity of Pyroglutamate A $\beta$ (3-40) in Aqueous Trifluoroethanol. <i>PLoS ONE</i> , 2015, 10, e0143647.	2.5	27
13	Preparation of a Functional GABARAP-Lipid Conjugate in Nanodiscs and its Investigation by Solution NMR Spectroscopy. <i>ChemBioChem</i> , 2010, 11, 1967-1970.	2.6	26
14	The mammalian autophagy initiator complex contains 2 HORMA domain proteins. <i>Autophagy</i> , 2015, 11, 2300-2308.	9.1	26
15	Solution structure of Atg8 reveals conformational polymorphism of the N-terminal domain. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 426-431.	2.1	23
16	Pyroglutamate-Modified Amyloid- $\beta$ (3-42) Shows $\beta$ -Helical Intermediates before Amyloid Formation. <i>Biophysical Journal</i> , 2017, 112, 1621-1633.	0.5	22
17	Interaction of Nonstructural Protein 5A of the Hepatitis C Virus with Src Homology 3 Domains Using Noncanonical Binding Sites. <i>Biochemistry</i> , 2013, 52, 6160-6168.	2.5	21
18	Amino Terminal Region of Dengue Virus NS4A Cytosolic Domain Binds to Highly Curved Liposomes. <i>Viruses</i> , 2015, 7, 4119-4130.	3.3	21

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19	Purification and Characterization of Recombinant N-Terminally Pyroglutamate-Modified Amyloid- $\beta^2$ Variants and Structural Analysis by Solution NMR Spectroscopy. <i>PLoS ONE</i> , 2015, 10, e0139710.	2.5	21
20	Dengue virus NS4A cytoplasmic domain binding to liposomes is sensitive to membrane curvature. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1119-1126.	2.6	20
21	The Disordered Region of the HCV Protein NS5A: Conformational Dynamics, SH3 Binding, and Phosphorylation. <i>Biophysical Journal</i> , 2015, 109, 1483-1496.	0.5	19
22	Comparative modeling of human NSF reveals a possible binding mode of GABARAP and GATE-16. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 77, 637-646.	2.6	17
23	Conformational Polymorphism in Autophagy-Related Protein GATE-16. <i>Biochemistry</i> , 2015, 54, 5469-5479.	2.5	17
24	Direct binding to GABARAP family members is essential for HIV-1 Nef plasma membrane localization. <i>Scientific Reports</i> , 2017, 7, 5979.	3.3	11
25	Sequence-specific $^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone assignment of the GTPase rRheb in its GDP-bound form. <i>Biomolecular NMR Assignments</i> , 2007, 1, 45-47.	0.8	10
26	Sequence-specific $^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone assignment of the activated 21 kDa GTPase rRheb. <i>Biomolecular NMR Assignments</i> , 2007, 1, 105-108.	0.8	8
27	Hepatitis C virus NS5A is able to competitively displace c-Myc from the Bin1 SH3 domain <i>in vitro</i> . <i>Journal of Peptide Science</i> , 2014, 20, 334-340.	1.4	8
28	Sequence-specific $^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ resonance assignment of the autophagy-related protein Atg8. <i>Biomolecular NMR Assignments</i> , 2009, 3, 137-139.	0.8	5
29	Investigating Structure and Dynamics of Atg8 Family Proteins. <i>Methods in Enzymology</i> , 2017, 587, 115-142.	1.0	5
30	Deficiency of GABARAP but Not Its Paralogs Causes Enhanced EGF-Induced EGFR Degradation. <i>Cells</i> , 2020, 9, 1296.	4.1	3
31	Sequence-specific $^1\text{H}$ , $^{15}\text{N}$ , and $^{13}\text{C}$ resonance assignments of the autophagy-related protein LC3C. <i>Biomolecular NMR Assignments</i> , 2016, 10, 41-43.	0.8	2
32	Structural Studies of Autophagy-Related Proteins. <i>Methods in Molecular Biology</i> , 2019, 1880, 17-56.	0.9	2
33	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 <i>in vitro</i> . <i>European Journal of Medical Research</i> , 2014, 19, S10.	2.2	1
34	In Vitro Reconstitution of the Highly Active and Natively Folded Recombinant Human Superoxide Dismutase 1 Holoenzyme. <i>ChemistrySelect</i> , 2018, 3, 7627-7632.	1.5	1
35	The non-structural protein 5A (NS5A) of hepatitis C virus interacts with the SH3 domain of human Bin1 using non-canonical binding sites. <i>European Journal of Medical Research</i> , 2014, 19, .	2.2	0
36	Cytoplasmic Domain of Dengue Virus Protein NS4A Preferentially Binds Highly Curved Membranes. <i>Biophysical Journal</i> , 2015, 108, 246a.	0.5	0