

Carla Schmidt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,351

citations

18

h-index

36

g-index

66

ext. papers

1,682

ext. citations

7.9

avg, IF

5.03

L-index

#	Paper	IF	Citations
62	Viral immune evasins impact antigen presentation by allele-specific trapping of MHCII at the peptide-loading complex.. <i>Scientific Reports</i> , 2022 , 12, 1516	4.9	0
61	Disorder-to-order transition of Synaptobrevin-2: Tracing the conformational diversity of a synaptic SNARE protein.. <i>Journal of Structural Biology</i> , 2021 , 214, 107824	3.4	0
60	Thin-Layer Chromatography and Coomassie Staining of Phospholipids for Fast and Simple Lipidomics Sample Preparation. <i>Analysis & Sensing</i> , 2021 , 1, 134		
59	Liposomes as Carriers of Membrane-Associated Proteins and Peptides for Mass Spectrometric Analysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11523-11530	16.4	4
58	Liposomen als Träger membranassoziierter Proteine und Peptide für die massenspektrometrische Analyse. <i>Angewandte Chemie</i> , 2021 , 133, 11624-11632	3.6	
57	Titelbild: Liposomen als Träger membranassoziierter Proteine und Peptide für die massenspektrometrische Analyse (Angew. Chem. 20/2021). <i>Angewandte Chemie</i> , 2021 , 133, 11097-11097 ^{3.6}		
56	Nanoscale Model System for the Human Myelin Sheath. <i>Biomacromolecules</i> , 2021 , 22, 3901-3912	6.9	1
55	Alternatively spliced isoforms of AUF1 regulate a miRNA-mRNA interaction differentially through their YGG motif. <i>RNA Biology</i> , 2021 , 18, 843-853	4.8	2
54	Quantitative Mass Spectrometry-Based Proteomics: An Overview. <i>Methods in Molecular Biology</i> , 2021 , 2228, 85-116	1.4	9
53	Cross-linking mass spectrometry uncovers protein interactions and functional assemblies in synaptic vesicle membranes. <i>Nature Communications</i> , 2021 , 12, 858	17.4	14
52	Assembly defects of human tRNA splicing endonuclease contribute to impaired pre-tRNA processing in pontocerebellar hypoplasia. <i>Nature Communications</i> , 2021 , 12, 5610	17.4	3
51	Thin-Layer Chromatography and Coomassie Staining of Phospholipids for Fast and Simple Lipidomics Sample Preparation. <i>Analysis & Sensing</i> , 2021 , 1, 171		
50	Effects of non-ionic and zwitterionic detergents on soluble proteins during native mass spectrometry experiments. <i>International Journal of Mass Spectrometry</i> , 2021 , 468, 116652	1.9	1
49	Quantitative Cross-Linking of Proteins and Protein Complexes. <i>Methods in Molecular Biology</i> , 2021 , 2228, 385-400	1.4	1
48	Exploring Phosphoinositide Binding Using Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021 , 2251, 157-175	1.4	
47	The CroCo cross-link converter: a user-centred tool to convert results from cross-linking mass spectrometry experiments. <i>Bioinformatics</i> , 2020 , 36, 1296-1297	7.2	5
46	Native mass spectrometry-A valuable tool in structural biology. <i>Journal of Mass Spectrometry</i> , 2020 , 55, e4578	2.2	14

45	Evaluation of NHS-Acetate and DEPC labelling for determination of solvent accessible amino acid residues in protein complexes. <i>Journal of Proteomics</i> , 2020 , 222, 103793	3.9	2
44	Formation and Stoichiometry of CRISPR-Cascade Complexes with Varying Spacer Lengths Revealed by Native Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 538-546	3.5	4
43	Polydisperse molecular architecture of connexin 26/30 heteromeric hemichannels revealed by atomic force microscopy imaging. <i>Journal of Biological Chemistry</i> , 2020 , 295, 16499-16509	5.4	2
42	Control of p21Cip by BRCA1-associated protein is critical for cardiomyocyte cell cycle progression and survival. <i>Cardiovascular Research</i> , 2020 , 116, 592-604	9.9	3
41	Decision-Making in Cascade Complexes Harboring crRNAs of Altered Length. <i>Cell Reports</i> , 2019 , 28, 3157-3166.e4	7.3	14
40	Protein-Lipid Interactions Stabilize the Oligomeric State of BOR1p from. <i>Analytical Chemistry</i> , 2019 , 91, 13071-13079	7.8	12
39	First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. <i>Analytical Chemistry</i> , 2019 , 91, 6953-6961	7.8	57
38	Mass spectrometry of membrane protein complexes. <i>Biological Chemistry</i> , 2019 , 400, 813-829	4.5	12
37	Mass spectrometry-A versatile tool for characterising the lipid environment of membrane protein assemblies. <i>Chemistry and Physics of Lipids</i> , 2019 , 221, 145-157	3.7	16
36	Oligomerisation of Synaptobrevin-2 Studied by Native Mass Spectrometry and Chemical Cross-Linking. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 149-160	3.5	9
35	Massenspektrometrische Analyse von Phospholipiden aus Liposomen. <i>BioSpektrum</i> , 2019 , 25, 167-169	0.1	
34	Instrument response of phosphatidylglycerol lipids with varying fatty acyl chain length in nano-ESI shotgun experiments. <i>Chemistry and Physics of Lipids</i> , 2019 , 223, 104782	3.7	4
33	Structural and Functional Analyses of the Human PDH Complex Suggest a "Division-of-Labor" Mechanism by Local E1 and E3 Clusters. <i>Structure</i> , 2019 , 27, 1124-1136.e4	5.2	10
32	Structural characterisation of medically relevant protein assemblies by integrating mass spectrometry with computational modelling. <i>Journal of Proteomics</i> , 2018 , 175, 34-41	3.9	16
31	A novel sample preparation strategy for shotgun lipidomics of phospholipids employing multilamellar vesicles. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4253-4258	4.4	7
30	Surface Accessibility and Dynamics of Macromolecular Assemblies Probed by Covalent Labeling Mass Spectrometry and Integrative Modeling. <i>Analytical Chemistry</i> , 2017 , 89, 1459-1468	7.8	32
29	Acetylation and phosphorylation control both local and global stability of the chloroplast F ATP synthase. <i>Scientific Reports</i> , 2017 , 7, 44068	4.9	14
28	Accommodating Protein Dynamics in the Modeling of Chemical Crosslinks. <i>Structure</i> , 2017 , 25, 1751-1757.e5	7.5	30

27	Structure based biophysical characterization of the PROPPIN Atg18 shows Atg18 oligomerization upon membrane binding. <i>Scientific Reports</i> , 2017 , 7, 14008	4.9	27
26	Small-Molecule-Induced Soluble Oligomers of β Synuclein with Helical Structure. <i>Chemistry - A European Journal</i> , 2017 , 23, 13010-13014	4.8	12
25	Combining Chemical Cross-linking and Mass Spectrometry of Intact Protein Complexes to Study the Architecture of Multi-subunit Protein Assemblies. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	7
24	Combining cryo-electron microscopy (cryo-EM) and cross-linking mass spectrometry (CX-MS) for structural elucidation of large protein assemblies. <i>Current Opinion in Structural Biology</i> , 2017 , 46, 157-168	8.1	46
23	Structure of the human MHC-I peptide-loading complex. <i>Nature</i> , 2017 , 551, 525-528	50.4	182
22	Atomic model for the membrane-embedded V motor of a eukaryotic V-ATPase. <i>Nature</i> , 2016 , 539, 118-124	32.4	104
21	Uncovering the Early Assembly Mechanism for Amyloidogenic β -Microglobulin Using Cross-linking and Native Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4626-37	5.4	22
20	Insights into Eukaryotic Translation Initiation from Mass Spectrometry of Macromolecular Protein Assemblies. <i>Journal of Molecular Biology</i> , 2016 , 428, 344-356	6.5	13
19	Dimer interface of bovine cytochrome c oxidase is influenced by local posttranslational modifications and lipid binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8230-5	11.5	30
18	Hsp70 forms antiparallel dimers stabilized by post-translational modifications to position clients for transfer to Hsp90. <i>Cell Reports</i> , 2015 , 11, 759-69	10.6	83
17	eIF2 interactions with initiator tRNA and eIF2B are regulated by post-translational modifications and conformational dynamics. <i>Cell Discovery</i> , 2015 , 1, 15020	22.3	18
16	Topological models of heteromeric protein assemblies from mass spectrometry: application to the yeast eIF3:eIF5 complex. <i>Chemistry and Biology</i> , 2015 , 22, 117-28		34
15	The joining of the Hsp90 and Hsp70 chaperone cycles yields transient interactions and stable intermediates: insights from mass spectrometry. <i>Oncotarget</i> , 2015 , 6, 18276-81	3.3	6
14	A comparative cross-linking strategy to probe conformational changes in protein complexes. <i>Nature Protocols</i> , 2014 , 9, 2224-36	18.8	86
13	Dynamic protein ligand interactions--insights from MS. <i>FEBS Journal</i> , 2014 , 281, 1950-64	5.7	50
12	eIF2B is a decameric guanine nucleotide exchange factor with a $\beta\beta$ tetrameric core. <i>Nature Communications</i> , 2014 , 5, 3902	17.4	52
11	Analyzing the protein assembly and dynamics of the human spliceosome with SILAC. <i>Methods in Molecular Biology</i> , 2014 , 1188, 227-44	1.4	3
10	Comparative cross-linking and mass spectrometry of an intact F-type ATPase suggest a role for phosphorylation. <i>Nature Communications</i> , 2013 , 4, 1985	17.4	113

9	An automated in-gel digestion/iTRAQ-labeling workflow for robust quantification of gel-separated proteins. <i>Proteomics</i> , 2013 , 13, 1417-22	4.8	17
8	Investigation of protein-RNA interactions by mass spectrometry--Techniques and applications. <i>Journal of Proteomics</i> , 2012 , 75, 3478-94	3.9	37
7	Absolute quantification of proteins using standard peptides and multiple reaction monitoring. <i>Methods in Molecular Biology</i> , 2012 , 893, 249-65	1.4	10
6	Analysis of Protein (-RNA) Complexes by (Quantitative) Mass Spectrometric Analysis 2012 , 366-379		
5	Determination of protein stoichiometry within protein complexes using absolute quantification and multiple reaction monitoring. <i>Analytical Chemistry</i> , 2010 , 82, 2784-96	7.8	71
4	Proteomic basics Quantification and post-translational modifications of proteins: The 3rd European Summer School in Kloster Neustift. <i>Journal of Proteomics</i> , 2010 , 73, 697-700	3.9	
3	iTRAQ-labeling of in-gel digested proteins for relative quantification. <i>Methods in Molecular Biology</i> , 2009 , 564, 207-26	1.4	19
2	Assembly defects of the human tRNA splicing endonuclease contribute to impaired pre-tRNA processing in pontocerebellar hypoplasia		1
1	Cross-linking/Mass Spectrometry: A Community-Wide, Comparative Study Towards Establishing Best Practice Guidelines		4