

# Martin H WÃ¼hr

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

5,664  
citations

201674

27  
h-index

197818

49  
g-index

63  
all docs

63  
docs citations

63  
times ranked

9595  
citing authors

#	ARTICLE	IF	CITATIONS
1	The BioPlex Network: A Systematic Exploration of the Human Interactome. <i>Cell</i> , 2015, 162, 425-440.	28.9	1,241
2	MultiNotch MS3 Enables Accurate, Sensitive, and Multiplexed Detection of Differential Expression across Cancer Cell Line Proteomes. <i>Analytical Chemistry</i> , 2014, 86, 7150-7158.	6.5	1,130
3	Amyloid-like Self-Assembly of a Cellular Compartment. <i>Cell</i> , 2016, 166, 637-650.	28.9	294
4	Deep Proteomics of the <i>Xenopus laevis</i> Egg using an mRNA-Derived Reference Database. <i>Current Biology</i> , 2014, 24, 1467-1475.	3.9	234
5	A Review on Quantitative Multiplexed Proteomics. <i>ChemBioChem</i> , 2019, 20, 1210-1224.	2.6	224
6	Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5738-5743.	13.8	207
7	Evidence for an Upper Limit to Mitotic Spindle Length. <i>Current Biology</i> , 2008, 18, 1256-1261.	3.9	193
8	A Model for Cleavage Plane Determination in Early Amphibian and Fish Embryos. <i>Current Biology</i> , 2010, 20, 2040-2045.	3.9	192
9	On the Relationship of Protein and mRNA Dynamics in Vertebrate Embryonic Development. <i>Developmental Cell</i> , 2015, 35, 383-394.	7.0	182
10	Accurate Multiplexed Proteomics at the MS2 Level Using the Complement Reporter Ion Cluster. <i>Analytical Chemistry</i> , 2012, 84, 9214-9221.	6.5	138
11	A Strategy to Combine Sample Multiplexing with Targeted Proteomics Assays for High-Throughput Protein Signature Characterization. <i>Molecular Cell</i> , 2017, 65, 361-370.	9.7	118
12	The Nuclear Proteome of a Vertebrate. <i>Current Biology</i> , 2015, 25, 2663-2671.	3.9	117
13	Spatial organization of cytokinesis signaling reconstituted in a cell-free system. <i>Science</i> , 2014, 346, 244-247.	12.6	114
14	How does a millimeter-sized cell find its center?. <i>Cell Cycle</i> , 2009, 8, 1115-1121.	2.6	93
15	Proteotoxicity from aberrant ribosome biogenesis compromises cell fitness. <i>ELife</i> , 2019, 8, .	6.0	88
16	Growth, interaction, and positioning of microtubule asters in extremely large vertebrate embryo cells. <i>Cytoskeleton</i> , 2012, 69, 738-750.	2.0	84
17	The Activation Mechanism of Hsp26 does not Require Dissociation of the Oligomer. <i>Journal of Molecular Biology</i> , 2005, 350, 1083-1093.	4.2	81
18	Accurate, Sensitive, and Precise Multiplexed Proteomics Using the Complement Reporter Ion Cluster. <i>Analytical Chemistry</i> , 2018, 90, 5032-5039.	6.5	76

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19	Actin behavior in bulk cytoplasm is cell cycle regulated in early vertebrate embryos. <i>Journal of Cell Science</i> , 2011, 124, 2086-2095.	2.0	69
20	Essential CDK1-inhibitory role for separase during meiosis I in vertebrate oocytes. <i>Nature Cell Biology</i> , 2006, 8, 1035-1037.	10.3	61
21	Generic Theoretical Models to Predict Division Patterns of Cleaving Embryos. <i>Developmental Cell</i> , 2016, 39, 667-682.	7.0	59
22	Evaluating the Arrhenius equation for developmental processes. <i>Molecular Systems Biology</i> , 2021, 17, e9895.	7.2	55
23	Proteomics of phosphorylation and protein dynamics during fertilization and meiotic exit in the <i>Xenopus</i> egg. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10838-E10847.	7.1	43
24	Generation of Multiple Reporter Ions from a Single Isobaric Reagent Increases Multiplexing Capacity for Quantitative Proteomics. <i>Analytical Chemistry</i> , 2015, 87, 9855-9863.	6.5	42
25	Size Scaling of Microtubule Assemblies in Early <i>Xenopus</i> Embryos. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a019182.	5.5	37
26	Precise Temporal Regulation of Post-transcriptional Repressors Is Required for an Orderly <i>Drosophila</i> Maternal-to-Zygotic Transition. <i>Cell Reports</i> , 2020, 31, 107783.	6.4	35
27	The Synthetic Phenotype of $\hat{\Gamma}^{\text{bamB}}$ $\hat{\Gamma}^{\text{bamE}}$ Double Mutants Results from a Lethal Jamming of the Bam Complex by the Lipoprotein RcsF. <i>MBio</i> , 2019, 10, .	4.1	35
28	Activity-based RNA-modifying enzyme probing reveals DUS3L-mediated dihydrouridylation. <i>Nature Chemical Biology</i> , 2021, 17, 1178-1187.	8.0	34
29	Organization of early frog embryos by chemical waves emanating from centrosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130454.	4.0	33
30	Quantitative Proteomics of <i>Xenopus</i> Embryos I, Sample Preparation. <i>Methods in Molecular Biology</i> , 2018, 1865, 175-194.	0.9	33
31	Live Imaging of the Cytoskeleton in Early Cleavage-Stage Zebrafish Embryos. <i>Methods in Cell Biology</i> , 2011, 101, 1-18.	1.1	26
32	Vertebrate Embryonic Cleavage Pattern Determination. <i>Advances in Experimental Medicine and Biology</i> , 2017, 953, 117-171.	1.6	24
33	A Sulfoxide-Based Isobaric Labelling Reagent for Accurate Quantitative Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2958-2962.	13.8	23
34	Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion-statistics with Peptide Quantification Concordance* [S]. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2108-2120.	3.8	23
35	The gain-of-function allele <i>bamA</i> <sub>E470K</sub> bypasses the essential requirement for BamD in $\beta$ -barrel outer membrane protein assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18737-18743.	7.1	23
36	Multi-Omic Analyses Provide Links between Low-Dose Antibiotic Treatment and Induction of Secondary Metabolism in <i>Burkholderia thailandensis</i> . <i>MBio</i> , 2020, 11, .	4.1	23

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37	TMTpro Complementary Ion Quantification Increases Plexing and Sensitivity for Accurate Multiplexed Proteomics at the MS2 Level. <i>Journal of Proteome Research</i> , 2021, 20, 3043-3052.	3.7	23
38	Mitosis: New Roles for Myosin-X and Actin at the Spindle. <i>Current Biology</i> , 2008, 18, R912-R914.	3.9	18
39	Proteomics of nucleocytoplasmic partitioning. <i>Current Opinion in Chemical Biology</i> , 2019, 48, 55-63.	6.1	17
40	Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. <i>Angewandte Chemie</i> , 2017, 129, 5832-5837.	2.0	14
41	Inference of Multisite Phosphorylation Rate Constants and Their Modulation by Pathogenic Mutations. <i>Current Biology</i> , 2020, 30, 877-882.e6.	3.9	14
42	Quantitative Proteomics for <i>Xenopus</i> Embryos II, Data Analysis. <i>Methods in Molecular Biology</i> , 2018, 1865, 195-215.	0.9	13
43	GCN2 adapts protein synthesis to scavenging-dependent growth. <i>Cell Systems</i> , 2022, 13, 158-172.e9.	6.2	12
44	A Clickâ€Chemistryâ€Based Enrichable Crosslinker for Structural and Protein Interaction Analysis by Mass Spectrometry. <i>ChemBioChem</i> , 2020, 21, 103-107.	2.6	11
45	Pronuclear Migration: No Attachment? No Union, but a Futile Cycle!. <i>Current Biology</i> , 2012, 22, R409-R411.	3.9	3
46	Asymmetries in Cell Division, Cell Size, and Furrowing in the <i>Xenopus laevis</i> Embryo. <i>Results and Problems in Cell Differentiation</i> , 2017, 61, 243-260.	0.7	3
47	Ein auf Sulfoxid basierendes, isobares Derivatisierungsreagens fÃ¼r die prÃ¤zise quantitative Massenspektrometrie. <i>Angewandte Chemie</i> , 2018, 130, 3008-3013.	2.0	2
48	Immunofluorescence of Microtubule Assemblies in Amphibian Oocytes and Early Embryos. <i>Methods in Molecular Biology</i> , 2019, 1920, 17-32.	0.9	2
49	The Shuttling Cascade in Lasso Peptide Benenodinâ€1 is Controlled by Nonâ€Covalent Interactions. <i>Chemistry - A European Journal</i> , 2021, 28, e202103615.	3.3	2
50	Size and Speed Go Hand in Hand in Cytokinesis. <i>Cell</i> , 2009, 137, 798-800.	28.9	0