

Martin H Wühr

List of Publications by Citations

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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.

56
papers

3,847
citations

25
h-index

62
g-index

63
ext. papers

5,021
ext. citations

10.7
avg, IF

5.31
L-index

#	Paper	IF	Citations
56	The BioPlex Network: A Systematic Exploration of the Human Interactome. <i>Cell</i> , 2015 , 162, 425-440	56.2	908
55	MultiNotch MS3 enables accurate, sensitive, and multiplexed detection of differential expression across cancer cell line proteomes. <i>Analytical Chemistry</i> , 2014 , 86, 7150-8	7.8	706
54	Amyloid-like Self-Assembly of a Cellular Compartment. <i>Cell</i> , 2016 , 166, 637-650	56.2	194
53	Evidence for an upper limit to mitotic spindle length. <i>Current Biology</i> , 2008 , 18, 1256-61	6.3	165
52	Deep proteomics of the <i>Xenopus laevis</i> egg using an mRNA-derived reference database. <i>Current Biology</i> , 2014 , 24, 1467-1475	6.3	158
51	Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5738-5743	16.4	146
50	A model for cleavage plane determination in early amphibian and fish embryos. <i>Current Biology</i> , 2010 , 20, 2040-5	6.3	146
49	On the Relationship of Protein and mRNA Dynamics in Vertebrate Embryonic Development. <i>Developmental Cell</i> , 2015 , 35, 383-94	10.2	126
48	Accurate multiplexed proteomics at the MS2 level using the complement reporter ion cluster. <i>Analytical Chemistry</i> , 2012 , 84, 9214-21	7.8	111
47	A Review on Quantitative Multiplexed Proteomics. <i>ChemBioChem</i> , 2019 , 20, 1210-1224	3.8	110
46	The Nuclear Proteome of a Vertebrate. <i>Current Biology</i> , 2015 , 25, 2663-71	6.3	93
45	A Strategy to Combine Sample Multiplexing with Targeted Proteomics Assays for High-Throughput Protein Signature Characterization. <i>Molecular Cell</i> , 2017 , 65, 361-370	17.6	87
44	Spatial organization of cytokinesis signaling reconstituted in a cell-free system. <i>Science</i> , 2014 , 346, 244-733.3	33.3	80
43	How does a millimeter-sized cell find its center?. <i>Cell Cycle</i> , 2009 , 8, 1115-21	4.7	80
42	The activation mechanism of Hsp26 does not require dissociation of the oligomer. <i>Journal of Molecular Biology</i> , 2005 , 350, 1083-93	6.5	73
41	Growth, interaction, and positioning of microtubule asters in extremely large vertebrate embryo cells. <i>Cytoskeleton</i> , 2012 , 69, 738-50	2.4	68
40	Essential CDK1-inhibitory role for separase during meiosis I in vertebrate oocytes. <i>Nature Cell Biology</i> , 2006 , 8, 1035-7	23.4	56

39	Accurate, Sensitive, and Precise Multiplexed Proteomics Using the Complement Reporter Ion Cluster. <i>Analytical Chemistry</i> , 2018 , 90, 5032-5039	7.8	54
38	Actin behavior in bulk cytoplasm is cell cycle regulated in early vertebrate embryos. <i>Journal of Cell Science</i> , 2011 , 124, 2086-95	5.3	53
37	Proteotoxicity from aberrant ribosome biogenesis compromises cell fitness. <i>ELife</i> , 2019 , 8,	8.9	45
36	Generic Theoretical Models to Predict Division Patterns of Cleaving Embryos. <i>Developmental Cell</i> , 2016 , 39, 667-682	10.2	41
35	Generation of multiple reporter ions from a single isobaric reagent increases multiplexing capacity for quantitative proteomics. <i>Analytical Chemistry</i> , 2015 , 87, 9855-63	7.8	34
34	Proteomics of phosphorylation and protein dynamics during fertilization and meiotic exit in the egg. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10838-E10847 ²⁰	11.5	20
33	Size Scaling of Microtubule Assemblies in Early Xenopus Embryos. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7, a019182	10.2	25
32	Organization of early frog embryos by chemical waves emanating from centrosomes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	25
31	The Synthetic Phenotype of Δ Double Mutants Results from a Lethal Jamming of the Bam Complex by the Lipoprotein RcsF. <i>MBio</i> , 2019 , 10,	7.8	21
30	Live imaging of the cytoskeleton in early cleavage-stage zebrafish embryos. <i>Methods in Cell Biology</i> , 2011 , 101, 1-18	1.8	20
29	Quantitative Proteomics of Xenopus Embryos I, Sample Preparation. <i>Methods in Molecular Biology</i> , 2018 , 1865, 175-194	1.4	18
28	Vertebrate Embryonic Cleavage Pattern Determination. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 953, 117-171	3.6	16
27	Mitosis: new roles for myosin-X and actin at the spindle. <i>Current Biology</i> , 2008 , 18, R912-4	6.3	15
26	Precise Temporal Regulation of Post-transcriptional Repressors Is Required for an Orderly Drosophila Maternal-to-Zygotic Transition. <i>Cell Reports</i> , 2020 , 31, 107783	10.6	15
25	A Sulfoxide-Based Isobaric Labelling Reagent for Accurate Quantitative Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2958-2962	16.4	14
24	Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. <i>Angewandte Chemie</i> , 2017 , 129, 5832-5837	3.6	13
23	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,	7.8	12
22	Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion-statistics with Peptide Quantification Concordance. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 2108-2120	7.6	12

21	The gain-of-function allele bypasses the essential requirement for BamD in E-barrel outer membrane protein assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18737-18743	11.5	11
20	Quantitative Proteomics for Xenopus Embryos II, Data Analysis. <i>Methods in Molecular Biology</i> , 2018 , 1865, 195-215	1.4	8
19	Proteomics of nucleocytoplasmic partitioning. <i>Current Opinion in Chemical Biology</i> , 2019 , 48, 55-63	9.7	8
18	Activity-based RNA-modifying enzyme probing reveals DUS3L-mediated dihydrouridylation. <i>Nature Chemical Biology</i> , 2021 , 17, 1178-1187	11.7	8
17	Inference of Multisite Phosphorylation Rate Constants and Their Modulation by Pathogenic Mutations. <i>Current Biology</i> , 2020 , 30, 877-882.e6	6.3	7
16	Evaluating the Arrhenius equation for developmental processes. <i>Molecular Systems Biology</i> , 2021 , 17, e9895	12.2	7
15	A Click-Chemistry-Based Enrichable Crosslinker for Structural and Protein Interaction Analysis by Mass Spectrometry. <i>ChemBioChem</i> , 2020 , 21, 103-107	3.8	6
14	The protein repertoire in early vertebrate embryogenesis		4
13	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	5.6	3
12	Ein auf Sulfoxid basierendes, isobares Derivatisierungsreagens für die präzise quantitative Massenspektrometrie. <i>Angewandte Chemie</i> , 2018 , 130, 3008-3013	3.6	2
11	Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion-Statistics with Peptide Quantification Concordance		2
10	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	1.4	1
9	Pronuclear migration: no attachment? No union, but a futile cycle!. <i>Current Biology</i> , 2012 , 22, R409-11	6.3	1
8	Gut bacterial nutrient preferences quantified in vivo		1
7	Evaluating the Simple Arrhenius Equation for the Temperature Dependence of Complex Developmental Processes		1
6	GCN2 adapts protein synthesis to scavenging-dependent growth. <i>Cell Systems</i> , 2021 ,	10.6	1
5	Precise temporal regulation of post-transcriptional repressors is required for an orderly <i>Drosophila</i> maternal-to-zygotic transition		1
4	Accurate, Sensitive, and Precise Multiplexed Proteomics using the Complement Reporter Ion Cluster		1

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| 3 | Immunofluorescence of Microtubule Assemblies in Amphibian Oocytes and Early Embryos. <i>Methods in Molecular Biology</i> , 2019 , 1920, 17-32 | 1.4 | ○ |
| 2 | The Shuttling Cascade in Lasso Peptide Benenodin-1 is Controlled by Non-Covalent Interactions. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103615 | 4.8 | ○ |
| 1 | Size and speed go hand in hand in cytokinesis. <i>Cell</i> , 2009 , 137, 798-800 | 56.2 | |