

Christof Lenz

List of Publications by Year in descending order

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66
papers

2,916
citations

201674

27
h-index

182427

51
g-index

73
all docs

73
docs citations

73
times ranked

5068
citing authors

#	ARTICLE	IF	CITATIONS
1	Human METTL16 is a <i>N⁶</i> -methyladenosine (<i>m⁶A</i>) methyltransferase that targets pre-mRNAs and various non-coding RNAs. <i>EMBO Reports</i> , 2017, 18, 2004-2014.	4.5	481
2	Deep phenotyping of human induced pluripotent stem cell-derived atrial and ventricular cardiomyocytes. <i>JCI Insight</i> , 2018, 3, .	5.0	214
3	A deep proteomics perspective on CRM1-mediated nuclear export and nucleocytoplasmic partitioning. <i>ELife</i> , 2015, 4, .	6.0	177
4	Tyrosine 394 Is Phosphorylated in Alzheimer's Paired Helical Filament Tau and in Fetal Tau with c-Abl as the Candidate Tyrosine Kinase. <i>Journal of Neuroscience</i> , 2005, 25, 6584-6593.	3.6	168
5	The Holm Oak leaf proteome: Analytical and biological variability in the protein expression level assessed by 2-DE and protein identification tandem mass spectrometry de novo sequencing and sequence similarity searching. <i>Proteomics</i> , 2005, 5, 222-234.	2.2	116
6	Changes in the protein profile of <i>Quercus ilex</i> leaves in response to drought stress and recovery. <i>Journal of Plant Physiology</i> , 2009, 166, 233-245.	3.5	101
7	Fourteen years of plant proteomics reflected in <i>Proteomics</i> : Moving from model species and 2DE-based approaches to orphan species and gel-free platforms. <i>Proteomics</i> , 2015, 15, 1089-1112.	2.2	91
8	Determination of Protein Stoichiometry within Protein Complexes Using Absolute Quantification and Multiple Reaction Monitoring. <i>Analytical Chemistry</i> , 2010, 82, 2784-2796.	6.5	79
9	Hair cell synaptic dysfunction, auditory fatigue and thermal sensitivity in otoferlin Ile515Thr mutants. <i>EMBO Journal</i> , 2016, 35, 2519-2535.	7.8	70
10	An ATM- and ATR-dependent checkpoint inactivates spindle assembly by targeting CEP63. <i>Nature Cell Biology</i> , 2009, 11, 278-285.	10.3	67
11	A Complex of Cas Proteins 5, 6, and 7 Is Required for the Biogenesis and Stability of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)-derived RNAs (crRNAs) in <i>Haloferax volcanii</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 7164-7177.	3.4	65
12	Combined Proteomic and Transcriptomic Analysis Identifies Differentially Expressed Pathways Associated to <i>Pinus radiata</i> Needle Maturation. <i>Journal of Proteome Research</i> , 2010, 9, 3954-3979.	3.7	56
13	TIM29 is a subunit of the human carrier translocase required for protein transport. <i>FEBS Letters</i> , 2016, 590, 4147-4158.	2.8	53
14	Proteome modifications of blue mussel (<i>Mytilus edulis</i> L.) gills as an effect of water pollution. <i>Proteomics</i> , 2005, 5, 4958-4963.	2.2	52
15	Proteomic Analysis of <i>Pinus radiata</i> Needles: 2-DE Map and Protein Identification by LC/MS/MS and Substitution-Tolerant Database Searching. <i>Journal of Proteome Research</i> , 2008, 7, 2616-2631.	3.7	48
16	Quantitative Clinical Chemistry Proteomics (qCCP) using mass spectrometry: general characteristics and application. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 919-35.	2.3	47
17	Loss of Protein Phosphatase 1 Regulatory Subunit PPP1R3A Promotes Atrial Fibrillation. <i>Circulation</i> , 2019, 140, 681-693.	1.6	47
18	A streamlined pipeline for multiplexed quantitative site-specific N-glycoproteomics. <i>Nature Communications</i> , 2020, 11, 5268.	12.8	46

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19	Elucidation of tonic and activated B-cell receptor signaling in Burkitt's lymphoma provides insights into regulation of cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5688-5693.	7.1	44
20	A MICOS-TIM22 Association Promotes Carrier Import into Human Mitochondria. <i>Journal of Molecular Biology</i> , 2019, 431, 2835-2851.	4.2	43
21	Intronic CRISPR Repair in a Preclinical Model of Noonan Syndrome-Associated Cardiomyopathy. <i>Circulation</i> , 2020, 142, 1059-1076.	1.6	43
22	Comparative proteomics reveals a diagnostic signature for pulmonary head&neck cancer metastasis. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	41
23	The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. <i>Nature Communications</i> , 2020, 11, 3145.	12.8	40
24	Translation error clusters induced by aminoglycoside antibiotics. <i>Nature Communications</i> , 2021, 12, 1830.	12.8	40
25	DPP9 is a novel component of the N-end rule pathway targeting the tyrosine kinase Syk. <i>ELife</i> , 2016, 5, .	6.0	37
26	Complete MALDI-ToF MS analysis of cross-linked peptide-RNA oligonucleotides derived from nonlabeled UV-irradiated ribonucleoprotein particles. <i>Rna</i> , 2005, 11, 1915-1930.	3.5	36
27	Further isoflavonoid metabolites from <i>Millettia griffoniana</i> (Bail). <i>Phytochemistry</i> , 2001, 56, 363-368.	2.9	31
28	Proteomic mapping by rapamycin-dependent targeting of APEX2 identifies binding partners of VAPB at the inner nuclear membrane. <i>Journal of Biological Chemistry</i> , 2019, 294, 16241-16254.	3.4	30
29	Detection of protein-RNA crosslinks by nanoLC-ESI-MS/MS using precursor ion scanning and multiple reaction monitoring (MRM) experiments. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 869-881.	2.8	28
30	The Response of <i>Haloferax volcanii</i> to Salt and Temperature Stress: A Proteome Study by Label-Free Mass Spectrometry. <i>Proteomics</i> , 2019, 19, 1800491.	2.2	28
31	Calpain-mediated cleavage of collapsin response mediator protein-2 drives acute axonal degeneration. <i>Scientific Reports</i> , 2016, 6, 37050.	3.3	27
32	Broad range of missense error frequencies in cellular proteins. <i>Nucleic Acids Research</i> , 2019, 47, 2932-2945.	14.5	27
33	The Core Proteome of Biofilm-Grown Clinical <i>Pseudomonas aeruginosa</i> Isolates. <i>Cells</i> , 2019, 8, 1129.	4.1	26
34	Inhibition of the autophagic protein ULK1 attenuates axonal degeneration in vitro and in vivo, enhances translation, and modulates splicing. <i>Cell Death and Differentiation</i> , 2020, 27, 2810-2827.	11.2	25
35	Supramolecular structure of the OXPHOS system in highly thermogenic tissue of <i>Arum maculatum</i> . <i>Plant Physiology and Biochemistry</i> , 2010, 48, 265-272.	5.8	23
36	LEF1 supports metastatic brain colonization by regulating glutathione metabolism and increasing ROS resistance in breast cancer. <i>International Journal of Cancer</i> , 2020, 146, 3170-3183.	5.1	23

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37	Towards a standardized human proteome database: Quantitative proteome profiling of living cells. <i>Proteomics</i> , 2004, 4, 1314-1323.	2.2	22
38	The SUMO1-E67 Interacting Loop Peptide Is an Allosteric Inhibitor of the Dipeptidyl Peptidases 8 and 9. <i>Journal of Biological Chemistry</i> , 2013, 288, 32787-32796.	3.4	22
39	Shedding light on biofilm formation of <i>Halobacterium salinarum</i> R1 by SWATH-MS/MS analysis of planktonic and sessile cells. <i>Proteomics</i> , 2017, 17, 1600111.	2.2	22
40	Multi-omic landscaping of human midbrains identifies disease-relevant molecular targets and pathways in advanced-stage Parkinson's disease. <i>Clinical and Translational Medicine</i> , 2022, 12, e692.	4.0	22
41	Integrative omics - from data to biology. <i>Expert Review of Proteomics</i> , 2018, 15, 463-466.	3.0	20
42	Mapping the binding site of snurportin 1 on native U1 snRNP by cross-linking and mass spectrometry. <i>Nucleic Acids Research</i> , 2010, 38, 5581-5593.	14.5	19
43	Studying macromolecular complex stoichiometries by peptide-based mass spectrometry. <i>Proteomics</i> , 2015, 15, 862-879.	2.2	19
44	14-3-3 binding creates a memory of kinase action by stabilizing the modified state of phospholamban. <i>Science Signaling</i> , 2020, 13, .	3.6	19
45	A trap mutant reveals the physiological client spectrum of TRC40. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	18
46	Caveolin3 Stabilizes McT1-Mediated Lactate/Proton Transport in Cardiomyocytes. <i>Circulation Research</i> , 2021, 128, e102-e120.	4.5	16
47	How to Cope With Heavy Metal Ions: Cellular and Proteome-Level Stress Response to Divalent Copper and Nickel in <i>Halobacterium salinarum</i> R1 Planktonic and Biofilm Cells. <i>Frontiers in Microbiology</i> , 2020, 10, 3056.	3.5	15
48	Separation methodology to improve proteome coverage depth. <i>Expert Review of Proteomics</i> , 2014, 11, 409-414.	3.0	13
49	Quantitative analysis of erythropoietin in human plasma by tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2073-2084.	3.7	12
50	Introduction to Proteomics Technologies. <i>Methods in Molecular Biology</i> , 2016, 1362, 3-27.	0.9	11
51	Dithiothreitol (DTT) Acts as a Specific, UV-inducible Cross-linker in Elucidation of Protein-RNA Interactions*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3196-3210.	3.8	10
52	A new albumin-depletion strategy improves proteomic research of gingival crevicular fluid from periodontitis patients. <i>Clinical Oral Investigations</i> , 2018, 22, 1375-1384.	3.0	10
53	Probing the Environment of Emerin by Enhanced Ascorbate Peroxidase 2 (APEX2)-Mediated Proximity Labeling. <i>Cells</i> , 2020, 9, 605.	4.1	9
54	Mapping the secretome of human chondrogenic progenitor cells with mass spectrometry. <i>Annals of Anatomy</i> , 2017, 212, 4-10.	1.9	7

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55	Effects of mycophenolate mofetil on kidney function and phosphorylation status of renal proteins in Alport COL4A3-deficient mice. <i>Proteome Science</i> , 2014, 12, 56.	1.7	6
56	Calpain cleavage of Junctophilin-2 generates a spectrum of calcium-dependent cleavage products and DNA-rich NT1-fragment domains in cardiomyocytes. <i>Scientific Reports</i> , 2022, 12, .	3.3	6
57	Succinopyoverdins - a New Variety of the Pyoverdin Chromophore. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000, 55, 146-152.	1.4	5
58	Quantitative Mass Spectrometric Profiling of Cancer-cell Proteomes Derived From Liquid and Solid Tumors. <i>Journal of Visualized Experiments</i> , 2015, , e52435.	0.3	5
59	Proteome Profiling by Label-Free Mass Spectrometry Reveals Differentiated Response of <i>Campylobacter jejuni</i> to Sublethal Concentrations of Bile Acids. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800083.	1.6	5
60	Active and Repressive Chromatin-Associated Proteome after MPA Treatment and the Role of Midkine in Epithelial Monolayer Permeability. <i>International Journal of Molecular Sciences</i> , 2016, 17, 597.	4.1	4
61	Calreticulin Deficiency Disturbs Ribosome Biogenesis and Results in Retardation in Embryonic Kidney Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5858.	4.1	4
62	Quantitative Analysis of the Cardiac Phosphoproteome in Response to Acute β_2 -Adrenergic Receptor Stimulation In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12584.	4.1	4
63	Crohn's disease patient serum changes protein expression in a human mesenchymal stem cell model in a linear relationship to patients' disease stage and to bone mineral density. <i>Journal of Clinical and Translational Endocrinology</i> , 2018, 13, 26-38.	1.4	3
64	Proteomic mapping of atrial and ventricular heart tissue in patients with aortic valve stenosis. <i>Scientific Reports</i> , 2021, 11, 24389.	3.3	3
65	Sequestosome 1 Is Part of the Interaction Network of VAPB. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13271.	4.1	3
66	Enhancing the chondrogenic potential of chondrogenic progenitor cells by deleting RAB5C. <i>IScience</i> , 2021, 24, 102464.	4.1	1