

Hans Christian Beck

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.

71
papers

1,232
citations

19
h-index

31
g-index

89
ext. papers

1,492
ext. citations

4.8
avg, IF

4.28
L-index

#	Paper	IF	Citations
71	Quantitative proteomic analysis of post-translational modifications of human histones. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1314-25	7.6	153
70	Catabolism of leucine to branched-chain fatty acids in <i>Staphylococcus xylosum</i> . <i>Journal of Applied Microbiology</i> , 2004 , 96, 1185-93	4.7	68
69	Novel pyrazine metabolites found in polymyxin biosynthesis by <i>Paenibacillus polymyxa</i> . <i>FEMS Microbiology Letters</i> , 2003 , 220, 67-73	2.9	67
68	Metabolite production and kinetics of branched-chain aldehyde oxidation in <i>Staphylococcus xylosum</i> . <i>Enzyme and Microbial Technology</i> , 2002 , 31, 94-101	3.8	61
67	Anchorless surface associated glycolytic enzymes from <i>Lactobacillus plantarum</i> 299v bind to epithelial cells and extracellular matrix proteins. <i>Microbiological Research</i> , 2013 , 168, 245-53	5.3	51
66	Proteomic analysis of cell surface-associated proteins from probiotic <i>Lactobacillus plantarum</i> . <i>FEMS Microbiology Letters</i> , 2009 , 297, 61-6	2.9	49
65	Proteomic analysis of osteogenic differentiation of dental follicle precursor cells. <i>Electrophoresis</i> , 2009 , 30, 1175-84	3.6	38
64	Cloning and inactivation of a branched-chain-amino-acid aminotransferase gene from <i>Staphylococcus carnosus</i> and characterization of the enzyme. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4007-14	4.8	36
63	Downregulation of antigen presentation-associated pathway proteins is linked to poor outcome in triple-negative breast cancer patient tumors. <i>Onc Immunology</i> , 2017 , 6, e1305531	7.2	35
62	Quantitative Proteome Analysis Reveals Increased Content of Basement Membrane Proteins in Arteries From Patients With Type 2 Diabetes Mellitus and Lower Levels Among Metformin Users. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 727-35		34
61	Evidence of non-canonical NOTCH signaling: Delta-like 1 homolog (DLK1) directly interacts with the NOTCH1 receptor in mammals. <i>Cellular Signalling</i> , 2016 , 28, 246-54	4.9	33
60	Plasma proteomics to identify biomarkers Application to cardiovascular diseases. <i>Translational Proteomics</i> , 2015 , 7, 40-48		32
59	Branched-chain fatty acid biosynthesis in a branched-chain amino acid aminotransferase mutant of <i>Staphylococcus carnosus</i> . <i>FEMS Microbiology Letters</i> , 2005 , 243, 37-44	2.9	30
58	Enzyme replacement therapy for alpha-mannosidosis: 12 months follow-up of a single centre, randomised, multiple dose study. <i>Journal of Inherited Metabolic Disease</i> , 2013 , 36, 1015-24	5.4	28
57	Proteome analysis of human arterial tissue discloses associations between the vascular content of small leucine-rich repeat proteoglycans and pulse wave velocity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1896-903	9.4	27
56	Proteomic analysis of human blastocoel fluid and blastocyst cells. <i>Stem Cells and Development</i> , 2013 , 22, 1126-35	4.4	27
55	Oat (<i>Avena sativa</i>) seed extract as an antifungal food preservative through the catalytic activity of a highly abundant class I chitinase. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 1573-84	3.2	24

54	A proteomics approach to the identification of biomarkers for psoriasis utilising keratome biopsy. <i>Journal of Proteomics</i> , 2013 , 94, 176-85	3.9	23
53	On-line monitoring of important organoleptic methyl-branched aldehydes during batch fermentation of starter culture <i>Staphylococcus xylosum</i> reveal new insight into their production in a model fermentation. <i>Biotechnology and Bioengineering</i> , 2004 , 85, 298-305	4.9	22
52	Na ⁺ /K ⁺ -ATPase deficiency causes brain ventricle dilation and abrupt embryonic motility in zebrafish. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8862-74	5.4	17
51	Proteomic Discovery and Validation of the Confounding Effect of Heparin Administration on the Analysis of Candidate Cardiovascular Biomarkers. <i>Clinical Chemistry</i> , 2018 , 64, 1474-1484	5.5	15
50	Elucidation of epithelial-mesenchymal transition-related pathways in a triple-negative breast cancer cell line model by multi-omics interactome analysis. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 1058-68	3.7	15
49	Proteomic analysis of bovine blastocoel fluid and blastocyst cells. <i>Systems Biology in Reproductive Medicine</i> , 2014 , 60, 127-35	2.9	15
48	The Na ⁺ /K ⁺ -ATPase is critical for skeletal and heart muscle function in zebrafish. <i>Journal of Cell Science</i> , 2012 , 125, 6166-75	5.3	15
47	Immunoelectron microscopy and mass spectrometry for classification of amyloid deposits. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2020 , 27, 59-66	2.7	15
46	miR-155, identified as anti-metastatic by global miRNA profiling of a metastasis model, inhibits cancer cell extravasation and colonization in vivo and causes significant signaling alterations. <i>Oncotarget</i> , 2015 , 6, 29224-39	3.3	14
45	The hedgehog-signaling pathway is repressed during the osteogenic differentiation of dental follicle cells. <i>Molecular and Cellular Biochemistry</i> , 2017 , 428, 79-86	4.2	13
44	Insulin Downregulates the Transcriptional Coregulator CITED2, an Inhibitor of Proangiogenic Function in Endothelial Cells. <i>Diabetes</i> , 2016 , 65, 3680-3690	0.9	13
43	Abdominal Aortic Aneurysms Growth Is Associated With High Concentrations of Plasma Proteins in the Intraluminal Thrombus and Diseased Arterial Tissue. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2254-2267	9.4	13
42	Smoking is associated with lower amounts of arterial type I collagen and decorin. <i>Atherosclerosis</i> , 2016 , 247, 201-6	3.1	12
41	CYPOR is a novel and independent prognostic biomarker of recurrence-free survival in triple-negative breast cancer patients. <i>International Journal of Cancer</i> , 2019 , 144, 631-640	7.5	12
40	Mass spectrometry in epigenetic research. <i>Methods in Molecular Biology</i> , 2010 , 593, 263-82	1.4	12
39	Interplay between SUMOylation and NEDDylation regulates RPL11 localization and function. <i>FASEB Journal</i> , 2019 , 33, 643-651	0.9	11
38	Acute phencyclidine treatment induces extensive and distinct protein phosphorylation in rat frontal cortex. <i>Journal of Proteome Research</i> , 2014 , 13, 1578-92	5.6	11
37	The Urine Proteome Profile Is Different in Neuromyelitis Optica Compared to Multiple Sclerosis: A Clinical Proteome Study. <i>PLoS ONE</i> , 2015 , 10, e0139659	3.7	11

36	Comparison of neurosphere-like cell clusters derived from dental follicle precursor cells and retinal Müller cells. <i>Neurochemical Research</i> , 2011 , 36, 2002-7	4.6	11
35	Proteomic Analysis of Anti-Cancerous Scopularide Production by a Marine Microascus brevicaulis Strain and Its UV Mutant. <i>PLoS ONE</i> , 2015 , 10, e0140047	3.7	10
34	A site-specific phosphorylation of the focal adhesion kinase controls the formation of spheroid cell clusters. <i>Neurochemical Research</i> , 2014 , 39, 1199-205	4.6	9
33	Proteomic profiling of human colon cancer cells treated with the histone deacetylase inhibitor belinostat. <i>Electrophoresis</i> , 2010 , 31, 2714-21	3.6	9
32	The non-canonical NOTCH1 ligand Delta-like 1 homolog (DLK1) self interacts in mammals. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 460-467	7.9	8
31	Chronic enzyme replacement therapy ameliorates neuropathology in alpha-mannosidosis mice. <i>Annals of Clinical and Translational Neurology</i> , 2015 , 2, 987-1001	5.3	8
30	Important options available--from start to finish--for translating proteomics results to clinical chemistry. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 235-52	3.1	8
29	LAMP2A regulates the loading of proteins into exosomes.. <i>Science Advances</i> , 2022 , 8, eabm1140	14.3	8
28	The 82-plex plasma protein signature that predicts increasing inflammation. <i>Scientific Reports</i> , 2015 , 5, 14882	4.9	7
27	Affinity Capture Enrichment versus Affinity Depletion: A Comparison of Strategies for Increasing Coverage of Low-Abundant Human Plasma Proteins. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
26	A mouse model for fucosidosis recapitulates storage pathology and neurological features of the milder form of the human disease. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 1015-28	4.1	7
25	Metabolism of halogenated compounds in the white rot fungus Bjerkandera adusta studied by membrane inlet mass spectrometry and tandem mass spectrometry. <i>Biotechnology and Bioengineering</i> , 1996 , 51, 23-32	4.9	6
24	Preliminary analysis of proteome alterations in non-aneurysmal, internal mammary artery tissue from patients with abdominal aortic aneurysms. <i>PLoS ONE</i> , 2018 , 13, e0192957	3.7	6
23	Extra-cellular vesicles carry proteome of cancer hallmarks. <i>Frontiers in Bioscience - Landmark</i> , 2020 , 25, 398-436	2.8	6
22	Classification of Amyloidosis by Model-Assisted Mass Spectrometry-Based Proteomics.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	6
21	Nanomechanics and ultrastructure of the internal mammary artery adventitia in patients with low and high pulse wave velocity. <i>Acta Biomaterialia</i> , 2018 , 73, 437-448	10.8	5
20	Proteomic analysis of the early bovine yolk sac fluid and cells from the day 13 ovoid and elongated preimplantation embryos. <i>Theriogenology</i> , 2014 , 82, 657-67	2.8	5
19	Proteomic characterization of inbreeding-related cold sensitivity in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013 , 8, e62680	3.7	5

18	Hyperlipidemia does not affect development of elastase-induced abdominal aortic aneurysm in mice. <i>Atherosclerosis</i> , 2020 , 311, 73-83	3.1	5
17	Data Imputation in Merged Isobaric Labeling-Based Relative Quantification Datasets. <i>Methods in Molecular Biology</i> , 2020 , 2051, 297-308	1.4	4
16	Transcriptome Reprogramming of CD11b Bone Marrow Cells by Pancreatic Cancer Extracellular Vesicles. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 592518	5.7	4
15	Induced surface proteins of Staphylococcus [corrected] epidermidis adhering to titanium implant substrata. <i>Clinical Oral Investigations</i> , 2018 , 22, 2663-2668	4.2	4
14	Combined FGFR and Akt pathway inhibition abrogates growth of FGFR1 overexpressing EGFR-TKI-resistant NSCLC cells. <i>Npj Precision Oncology</i> , 2021 , 5, 65	9.8	4
13	Decellularized human umbilical artery: Biocompatibility and in vivo functionality in sheep carotid bypass model. <i>Materials Science and Engineering C</i> , 2020 , 112, 110955	8.3	3
12	A paradoxical increase of force development in saphenous and tail arteries from heterozygous ANO1 knockout mice. <i>Physiological Reports</i> , 2020 , 8, e14645	2.6	3
11	Proteomic Analysis of Renal Biomarkers of Kidney Allograft Fibrosis-A Study in Renal Transplant Patients. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
10	Comparing Peptide Spectra Matches Across Search Engines. <i>Methods in Molecular Biology</i> , 2020 , 2051, 133-143	1.4	2
9	Application of Probiotic Proteomics in Enteric Cytoprotection 2011 , 155-168		2
8	Determining Plasma Protein Variation Parameters as a Prerequisite for Biomarker Studies-A TMT-Based LC-MSMS Proteome Investigation.. <i>Proteomes</i> , 2021 , 9,	4.6	1
7	STEMI, Cardiogenic Shock, and Mortality in Patients Admitted for Acute Angiography: Associations and Predictions from Plasma Proteome Data. <i>Shock</i> , 2021 , 55, 41-47	3.4	1
6	AFM Characterization of the Internal Mammary Artery as a Novel Target for Arterial Stiffening. <i>Scanning</i> , 2018 , 2018, 6340425	1.6	1
5	Pyrin Inflammasome Activation Abrogates Interleukin-1 Receptor Antagonist, Suggesting a New Mechanism Underlying Familial Mediterranean Fever Pathogenesis. <i>Arthritis and Rheumatology</i> , 2021 , 73, 2116-2126	9.5	1
4	Migraine-Associated Mutation in the Na,K-ATPase Leads to Disturbances in Cardiac Metabolism and Reduced Cardiac Function.. <i>Journal of the American Heart Association</i> , 2022 , e021814	6	1
3	Does diabetes modify the effect of heparin on plasma proteins? - A proteomic search for plasma protein biomarkers for diabetes-related endothelial dysfunction. <i>Journal of Diabetes and Its Complications</i> , 2021 , 35, 107906	3.2	0
2	Basement membrane proteins in various arterial beds from individuals with and without type 2 diabetes mellitus: a proteome study. <i>Cardiovascular Diabetology</i> , 2021 , 20, 182	8.7	0
1	FP721COMPLOSOME AFFECTS THE OUTCOME AFTER INCIDENT KIDNEY TRANSPLANTATION. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, i288-i288	4.3	

