

Chrisophe Hirtz

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.

100 papers	2,342 citations	23 h-index	46 g-index
118 ext. papers	2,862 ext. citations	4.6 avg, IF	4.72 L-index

#	Paper	IF	Citations
100	A role for uncoupling protein-2 as a regulator of mitochondrial hydrogen peroxide generation. <i>FASEB Journal</i> , 1997 , 11, 809-815	0.9	641
99	Exocytosis and protein secretion in Trypanosoma. <i>BMC Microbiology</i> , 2010 , 10, 20	4.5	109
98	Plasma and CSF biomarkers for the diagnosis of Alzheimer's disease in adults with Down syndrome: a cross-sectional study. <i>Lancet Neurology</i> , 2018 , 17, 860-869	24.1	105
97	Cerebrospinal fluid phospho-tau T217 outperforms T181 as a biomarker for the differential diagnosis of Alzheimer's disease and PET amyloid-positive patient identification. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 26	9	80
96	Current and future use of "dried blood spot" analyses in clinical chemistry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 1897-909	5.9	78
95	Differential Mass Spectrometry Profiles of Tau Protein in the Cerebrospinal Fluid of Patients with Alzheimer's Disease, Progressive Supranuclear Palsy, and Dementia with Lewy Bodies. <i>Journal of Alzheimer's Disease</i> , 2016 , 51, 1033-43	4.3	76
94	Tau Protein Quantification in Human Cerebrospinal Fluid by Targeted Mass Spectrometry at High Sequence Coverage Provides Insights into Its Primary Structure Heterogeneity. <i>Journal of Proteome Research</i> , 2016 , 15, 667-76	5.6	66
93	MS characterization of multiple forms of alpha-amylase in human saliva. <i>Proteomics</i> , 2005 , 5, 4597-607	4.8	55
92	Cerebrospinal fluid levels of orexin-A and histamine, and sleep profile within the Alzheimer process. <i>Neurobiology of Aging</i> , 2017 , 53, 59-66	5.6	53
91	Impact of harmonization of collection tubes on Alzheimer's disease diagnosis. <i>Alzheimer's and Dementia</i> , 2014 , 10, S390-S394.e2	1.2	50
90	Use of reducing/nonreducing two-dimensional electrophoresis for the study of disulfide-mediated interactions between proteins in raw and heated bovine milk. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 5948-55	5.7	49
89	Matrix-assisted laser desorption/ionization imaging mass spectrometry of oxaliplatin derivatives in heated intraoperative chemotherapy (HIPEC)-like treated rat kidney. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 415-21	2.2	48
88	Proteins and proteolysis in pre-term and term human milk and possible implications for infant formulae. <i>International Dairy Journal</i> , 2010 , 20, 715-723	3.5	45
87	Quantitative Clinical Chemistry Proteomics (qCCP) using mass spectrometry: general characteristics and application. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 919-35	5.9	43
86	RECQ1 helicase is involved in replication stress survival and drug resistance in multiple myeloma. <i>Leukemia</i> , 2017 , 31, 2104-2113	10.7	42
85	Excreted/secreted proteins from trypanosome procyclic strains. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 212817		36
84	Serum neurofilament light chain at time of diagnosis is an independent prognostic factor of survival in amyotrophic lateral sclerosis. <i>European Journal of Neurology</i> , 2020 , 27, 251-257	6	36

83	Alzheimer's Disease: Advances in Drug Development. <i>Journal of Alzheimer's Disease</i> , 2018 , 65, 3-13	4.3	32
82	The mA pathway protects the transcriptome integrity by restricting RNA chimera formation in plants. <i>Life Science Alliance</i> , 2019 , 2,	5.8	29
81	From radioimmunoassay to mass spectrometry: a new method to quantify orexin-A (hypocretin-1) in cerebrospinal fluid. <i>Scientific Reports</i> , 2016 , 6, 25162	4.9	29
80	Antibody-free quantification of seven tau peptides in human CSF using targeted mass spectrometry. <i>Frontiers in Neuroscience</i> , 2015 , 9, 302	5.1	24
79	Clinical mass spectrometry proteomics (cMSP) for medical laboratory: What does the future hold?. <i>Clinica Chimica Acta</i> , 2017 , 467, 51-58	6.2	23
78	FTO-mediated cytoplasmic mA demethylation adjusts stem-like properties in colorectal cancer cell. <i>Nature Communications</i> , 2021 , 12, 1716	17.4	23
77	SILK studies - capturing the turnover of proteins linked to neurodegenerative diseases. <i>Nature Reviews Neurology</i> , 2019 , 15, 419-427	15	22
76	Quantitative detection of amyloid- β peptides by mass spectrometry: state of the art and clinical applications. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, 1483-93	5.9	21
75	Human S100A10 plays a crucial role in the acquisition of the endometrial receptivity phenotype. <i>Cell Adhesion and Migration</i> , 2016 , 10, 282-98	3.2	20
74	Cerebrospinal Fluid Alzheimer's Disease Biomarkers in Cerebral Amyloid Angiopathy-Related Inflammation. <i>Journal of Alzheimer's Disease</i> , 2016 , 50, 759-764	4.3	19
73	Absolute quantification of 35 plasma biomarkers in human saliva using targeted MS. <i>Bioanalysis</i> , 2016 , 8, 43-53	2.1	18
72	Clinical measurement of Hepcidin-25 in human serum: Is quantitative mass spectrometry up to the job?. <i>EuPA Open Proteomics</i> , 2014 , 3, 60-67	0.1	18
71	Serum GFAP in multiple sclerosis: correlation with disease type and MRI markers of disease severity. <i>Scientific Reports</i> , 2020 , 10, 10923	4.9	17
70	Association between serum hepcidin level and restless legs syndrome. <i>Movement Disorders</i> , 2018 , 33, 618-627	7	17
69	Development of new quantitative mass spectrometry and semi-automatic isofocusing methods for the determination of Apolipoprotein E typing. <i>Clinica Chimica Acta</i> , 2016 , 454, 33-8	6.2	17
68	Proteomic Studies of Saliva: A Proposal for a Standardized Handling of Clinical Samples. <i>Clinical Proteomics</i> , 2007 , 3, 13-21	5	17
67	Towards a routine application of Top-Down approaches for label-free discovery workflows. <i>Journal of Proteomics</i> , 2018 , 175, 12-26	3.9	16
66	Peripheral Blood and Salivary Biomarkers of Blood-Brain Barrier Permeability and Neuronal Damage: Clinical and Applied Concepts. <i>Frontiers in Neurology</i> , 2020 , 11, 577312	4.1	16

65	Impurity determination for hepcidin by liquid chromatography-high resolution and ion mobility mass spectrometry for the value assignment of candidate primary calibrators. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2559-2567	4.4	14
64	Clinical perspectives of dried blood spot protein quantification using mass spectrometry methods. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017 , 54, 173-184	9.4	14
63	Multi-omics profiling reveals that eating difficulties developed consecutively to artificial nutrition in the neonatal period are associated to specific saliva composition. <i>Journal of Proteomics</i> , 2015 , 128, 105-12	3.9	14
62	The prognostic value of the τ Tau protein serum level in metastatic breast cancer patients and its correlation with brain metastases. <i>BMC Cancer</i> , 2019 , 19, 110	4.8	14
61	Detection of amyloid beta peptides in body fluids for the diagnosis of alzheimer's disease: Where do we stand?. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020 , 57, 99-113	9.4	13
60	Characterization of pre-analytical sample handling effects on a panel of Alzheimer's disease-related blood-based biomarkers: Results from the Standardization of Alzheimer's Blood Biomarkers (SABB) working group. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	12
59	Cerebrospinal Fluid Alzheimer's Disease Biomarkers in Isolated Supratentorial Cortical Superficial Siderosis. <i>Journal of Alzheimer's Disease</i> , 2016 , 54, 1291-1295	4.3	12
58	Sample Pooling and Inflammation Linked to the False Selection of Biomarkers for Neurodegenerative Diseases in Top-Down Proteomics: A Pilot Study. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 477	6.1	12
57	Quantification of hepcidin-25 in human cerebrospinal fluid using LC-MS/MS. <i>Bioanalysis</i> , 2017 , 9, 337-347	7.1	11
56	Comparison of HbA1c detection in whole blood and dried blood spots using an automated ion-exchange HPLC system. <i>Bioanalysis</i> , 2017 , 9, 427-434	2.1	11
55	Bystander effectors of chondrosarcoma cells irradiated at different LET impair proliferation of chondrocytes. <i>Journal of Cell Communication and Signaling</i> , 2019 , 13, 343-356	5.2	11
54	B2 kinin receptor upregulation by cAMP is associated with BK-induced PGE2 production in rat mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 274, F532-40	4.3	10
53	Cerebrospinal fluid A beta 1-40 peptides increase in Alzheimer's disease and are highly correlated with phospho-tau in control individuals. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 123	9	10
52	Hepcidin and ferritin levels in restless legs syndrome: a case-control study. <i>Scientific Reports</i> , 2020 , 10, 11914	4.9	10
51	Use of plasma biomarkers for AT(N) classification of neurodegenerative dementias. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 1206-1214	5.5	10
50	What sample preparation should be chosen for targeted MS monoclonal antibody quantification in human serum?. <i>Bioanalysis</i> , 2018 , 10, 723-735	2.1	10
49	Strain effect on extracellular laccase activities from <i>Botrytis cinerea</i> . <i>Australian Journal of Grape and Wine Research</i> , 2018 , 24, 241-251	2.4	9
48	Impact of iron deficiency diagnosis using hepcidin mass spectrometry dosage methods on hospital stay and costs after a prolonged ICU stay: Study protocol for a multicentre, randomised, single-blinded medico-economic trial. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2017 , 36, 391-396	3	8

47	Natural history, dynamics, and ecology of human papillomaviruses in genital infections of young women: protocol of the PAPCLEAR cohort study. <i>BMJ Open</i> , 2019 , 9, e025129	3	8
46	Data from a targeted proteomics approach to discover biomarkers in saliva for the clinical diagnosis of periodontitis. <i>Data in Brief</i> , 2018 , 18, 294-299	1.2	8
45	Preproinsulin I and II mRNA expression in adult rat submandibular glands. <i>European Journal of Oral Sciences</i> , 2000 , 108, 292-6	2.3	8
44	Biochemical markers of time since death in cerebrospinal fluid: A first step towards. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2019 , 56, 274-286	9.4	7
43	Assessing a multiplex-targeted proteomics approach for the clinical diagnosis of periodontitis using saliva samples. <i>Bioanalysis</i> , 2018 , 10, 35-45	2.1	7
42	Stable Isotope Labeling by Amino acid in Vivo (SILAV): a new method to explore protein metabolism. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 1917-25	2.2	7
41	Regulatory context and validation of assays for clinical mass spectrometry proteomics (cMSP) methods. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018 , 55, 346-358	9.4	7
40	Identification of multiple proteoforms biomarkers on clinical samples by routine Top-Down approaches. <i>Data in Brief</i> , 2018 , 18, 1013-1021	1.2	6
39	From "clinical proteomics" to "clinical chemistry proteomics": considerations using quantitative mass-spectrometry as a model approach. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011 , 50, 235-42	5.9	6
38	Dental stem cells as a promising source for cell therapies in neurological diseases. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2019 , 56, 170-181	9.4	5
37	Cerebrospinal Fluid and Plasma Biomarkers do not Differ in the Presenile and Late-Onset Behavioral Variants of Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2020 , 74, 903-911	4.3	5
36	Laccases 2 & 3 as biomarkers of Botrytis cinerea infection in sweet white wines. <i>Food Chemistry</i> , 2020 , 315, 126233	8.5	5
35	Development and validation of dried matrix spot sampling for the quantitative determination of amyloid peptides in cerebrospinal fluid. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014 , 52, 649-55	5.9	5
34	Gravitational Transitions Increase Posterior Cerebral Perfusion and Systemic Oxidative-nitrosative Stress: Implications for Neurovascular Unit Integrity. <i>Neuroscience</i> , 2020 , 441, 142-160	3.9	4
33	FTO-mediated cytoplasmic m6A demethylation adjusts stem-like properties in colorectal cancer cell		4
32	Cytokines as new biomarkers of skin wound vitality. <i>International Journal of Legal Medicine</i> , 2021 , 135, 2537-2545	3.1	4
31	Variation of human salivary alpha-amylase proteoforms in three stimulation models. <i>Clinical Oral Investigations</i> , 2020 , 24, 475-486	4.2	4
30	Impact of biological matrix on inflammatory protein biomarker quantification based on targeted mass spectrometry. <i>Bioanalysis</i> , 2018 , 10, 1383-1399	2.1	4

29	Efficient extraction of intact HSA-Al peptide complexes from sera: Toward albuminome biomarker identification. <i>Talanta</i> , 2020 , 216, 121002	6.2	3
28	Nano-flow vs standard-flow: Which is the more suitable LC/MS method for quantifying hepcidin-25 in human serum in routine clinical settings?. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1086, 110-117	3.2	3
27	Proteomic profile of cerebrospinal fluid in patients with multiple sclerosis using two dimensional gel electrophoresis. <i>British Journal of Biomedical Science</i> , 2016 , 73, 143-146	1.6	3
26	Hypoxemia increases blood-brain barrier permeability during extreme apnea in humans.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221075967	7.3	3
25	A single short reprogramming early in life improves fitness and increases lifespan in old age		3
24	Quantifying RNA modifications by mass spectrometry: a novel source of biomarkers in oncology. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021 , 1-18	9.4	3
23	Soluble Intercellular Adhesion Molecule- (sICAM-) 1, Thrombospondin-1, and Vinculin for the Identification of Septic Shock Patients Suffering from an Invasive Fungal Infection. <i>Mediators of Inflammation</i> , 2020 , 2020, 1-13	4.3	2
22	The potential impact of salivary peptides in periodontitis. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021 , 58, 479-492	9.4	2
21	Serum glial fibrillary acidic protein is a predictor of brain metastases in patients with metastatic breast cancer. <i>International Journal of Cancer</i> , 2021 , 149, 1605-1618	7.5	2
20	Analytical comparison of ELISA and mass spectrometry for quantification of serum hepcidin in critically ill patients. <i>Bioanalysis</i> , 2021 , 13, 1029-1035	2.1	2
19	MALDI-TOF IP-MS quantification of plasma amyloid peptides in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e047112	1.2	1
18	In Vivo Large-Scale Mapping of Protein Turnover in Human Cerebrospinal Fluid. <i>Analytical Chemistry</i> , 2019 , 91, 15500-15508	7.8	1
17	Tau protein in cerebrospinal fluid: a novel biomarker of the time of death?. <i>International Journal of Legal Medicine</i> , 2021 , 135, 2081-2089	3.1	1
16	Cytokine response following perturbation of the cervicovaginal milieu during HPV genital infection. <i>Immunologic Research</i> , 2021 , 69, 255-263	4.3	1
15	O1-05-04: PROFILING OF INTACT PROTEINS IN THE CSF OF ALZHEIMER'S DISEASE PATIENTS USING TOP DOWN CLINICAL PROTEOMICS (TDCP): A NEW APPROACH GIVING ACCESS TO ISOFORM SPECIFIC INFORMATION OF NEURODEGENERATIVE BIOMARKERS 2016 , 12, P183-P184		1
14	Ghrelin and adipokines: An overview of their physiological role, antimicrobial activity and impact on cardiovascular conditions. <i>Vitamins and Hormones</i> , 2021 , 115, 477-509	2.5	1
13	Concussion history in rugby union players is associated with depressed cerebrovascular reactivity and cognition. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 , 31, 2291-2299	4.6	1
12	Metrological references for person ability in memory tests. <i>Measurement: Sensors</i> , 2021 , 18, 100289	0.5	1

11	Characterizing Deep White Matter Hyperintensities in Patients with Symptomatic Isolated Cortical Superficial Siderosis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017 , 26, 465-469	2.8	o
10	Intra-articular delivery of full-length antibodies through the use of an in situ forming depot.. <i>Journal of Controlled Release</i> , 2021 , 341, 578-590	11.7	o
9	Blood amyloid and tau biomarkers as predictors of cerebrospinal fluid profiles.. <i>Journal of Neural Transmission</i> , 2022 , 129, 231	4.3	o
8	Proteomics Challenges for the Assessment of Synuclein Proteoforms as Clinical Biomarkers in Parkinson's Disease.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 818606	5.3	o
7	Stable Isotope Labeling Kinetics in CNS Translational Medicine: Introduction to SILK Technology. <i>Handbook of Behavioral Neuroscience</i> , 2019 , 29, 173-190	0.7	
6	Intact Protein Analysis by LC-MS for Characterizing Biomarkers in Cerebrospinal Fluid. <i>Methods in Molecular Biology</i> , 2019 , 1959, 163-172	1.4	
5	[P1073]: QUANTIFICATION OF HEPCIDIN-25 IN HUMAN CEREBROSPINAL FLUID: TECHNICAL FEASIBILITY AND BIOLOGICAL RELEVANCE IN NEURODEGENERATIVE DISEASES 2017 , 13, P354-P354		
4	Development of a primary calibrator and candidate reference method for metrological traceability of tau protein results. <i>Alzheimer's and Dementia</i> , 2020 , 16, e043036	1.2	
3	P1-188: CSF Orexin-A/Hypocretin-1 Changes in the Alzheimer Disease Process 2016 , 12, P476-P476		
2	Immunoassay and Mass Spectrometry Methods for Tau Protein Quantification in the Cerebrospinal Fluid. <i>Neuromethods</i> , 2021 , 71-85	0.4	
1	Deciphering Black Extrinsic Tooth Stain Composition in Children Using Metaproteomics.. <i>ACS Omega</i> , 2022 , 7, 8258-8267	3.9	