

Fredrik Ponten

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7517541/publications.pdf>

Version: 2024-02-01

116
papers

30,216
citations

57758

44
h-index

22166

113
g-index

120
all docs

120
docs citations

120
times ranked

54300
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-based map of the human proteome. <i>Science</i> , 2015, 347, 1260419.	12.6	10,802
2	Analysis of the Human Tissue-specific Expression by Genome-wide Integration of Transcriptomics and Antibody-based Proteomics. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 397-406.	3.8	2,819
3	A pathology atlas of the human cancer transcriptome. <i>Science</i> , 2017, 357, .	12.6	2,570
4	A subcellular map of the human proteome. <i>Science</i> , 2017, 356, .	12.6	2,079
5	Towards a knowledge-based Human Protein Atlas. <i>Nature Biotechnology</i> , 2010, 28, 1248-1250.	17.5	2,076
6	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. <i>Science</i> , 2016, 353, 78-82.	12.6	1,983
7	A single-cell type transcriptomics map of human tissues. <i>Science Advances</i> , 2021, 7, .	10.3	632
8	A deep proteome and transcriptome abundance atlas of 29 healthy human tissues. <i>Molecular Systems Biology</i> , 2019, 15, e8503.	7.2	576
9	An atlas of the protein-coding genes in the human, pig, and mouse brain. <i>Science</i> , 2020, 367, .	12.6	517
10	Correlations between RNA and protein expression profiles in 23 human cell lines. <i>BMC Genomics</i> , 2009, 10, 365.	2.8	422
11	Gene-specific correlation of $\langle \text{sc} \rangle \text{RNA} \langle / \text{sc} \rangle$ and protein levels in human cells and tissues. <i>Molecular Systems Biology</i> , 2016, 12, 883.	7.2	347
12	A genome-wide transcriptomic analysis of protein-coding genes in human blood cells. <i>Science</i> , 2019, 366, .	12.6	329
13	The human secretome. <i>Science Signaling</i> , 2019, 12, .	3.6	259
14	Towards a human proteome atlas: High-throughput generation of mono-specific antibodies for tissue profiling. <i>Proteomics</i> , 2005, 5, 4327-4337.	2.2	221
15	Antibody-based proteomics: fast-tracking molecular diagnostics in oncology. <i>Nature Reviews Cancer</i> , 2010, 10, 605-617.	28.4	181
16	A global view of protein expression in human cells, tissues, and organs. <i>Molecular Systems Biology</i> , 2009, 5, 337.	7.2	175
17	Production of Tissue Microarrays, Immunohistochemistry Staining and Digitalization Within the Human Protein Atlas. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	143
18	Transcriptomics resources of human tissues and organs. <i>Molecular Systems Biology</i> , 2016, 12, 862.	7.2	130

#	ARTICLE	IF	CITATIONS
19	PATCHED and p53 gene alterations in sporadic and hereditary basal cell cancer. <i>Oncogene</i> , 2001, 20, 7770-7778.	5.9	125
20	Toward a Confocal Subcellular Atlas of the Human Proteome. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 499-508.	3.8	122
21	Garbage in, garbage out: A critical evaluation of strategies used for validation of immunohistochemical biomarkers. <i>Molecular Oncology</i> , 2014, 8, 783-798.	4.6	122
22	Foxf2 Is Required for Brain Pericyte Differentiation and Development and Maintenance of the Blood-Brain Barrier. <i>Developmental Cell</i> , 2015, 34, 19-32.	7.0	107
23	Affinity proteomics within rare diseases: a <sc>BIO</sc>-NMD study for blood biomarkers of muscular dystrophies. <i>EMBO Molecular Medicine</i> , 2014, 6, 918-936.	6.9	105
24	Spatiotemporal dissection of the cell cycle with single-cell proteogenomics. <i>Nature</i> , 2021, 590, 649-654.	27.8	104
25	Complementing tissue characterization by integrating transcriptome profiling from the Human Protein Atlas and from the FANTOM5 consortium. <i>Nucleic Acids Research</i> , 2015, 43, 6787-6798.	14.5	94
26	Mining the Human Tissue Proteome for Protein Citrullination. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1378-1391.	3.8	93
27	High BRAF Mutation Frequency and Marked Survival Differences in Subgroups According to KRAS/BRAF Mutation Status and Tumor Tissue Availability in a Prospective Population-Based Metastatic Colorectal Cancer Cohort. <i>PLoS ONE</i> , 2015, 10, e0131046.	2.5	91
28	ANLN is a prognostic biomarker independent of Ki-67 and essential for cell cycle progression in primary breast cancer. <i>BMC Cancer</i> , 2016, 16, 904.	2.6	82
29	Long-term outcome in young women with breast cancer: a population-based study. <i>Breast Cancer Research and Treatment</i> , 2016, 160, 131-143.	2.5	82
30	Profiling cancer testis antigens in non-small-cell lung cancer. <i>JCI Insight</i> , 2016, 1, e86837.	5.0	82
31	Colorectal cancer candidate biomarkers identified by tissue secretome proteome profiling. <i>Journal of Proteomics</i> , 2014, 99, 26-39.	2.4	81
32	System-wide Clinical Proteomics of Breast Cancer Reveals Global Remodeling of Tissue Homeostasis. <i>Cell Systems</i> , 2016, 2, 172-184.	6.2	81
33	Two distinct p53 immunohistochemical patterns in human squamous-cell skin cancer, precursors and normal epidermis. <i>J Clin Invest</i> , 1996, 69, 174-179.		80
34	Antibody validation of immunohistochemistry for biomarker discovery: Recommendations of a consortium of academic and pharmaceutical based histopathology researchers. <i>Methods</i> , 2014, 70, 34-38.	3.8	80
35	The human liver-specific proteome defined by transcriptomics and antibody-based profiling. <i>FASEB Journal</i> , 2014, 28, 2901-2914.	0.5	73
36	Analysis of Protein Expression in Cell Microarrays: A Tool for Antibody-based Proteomics. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1413-1423.	2.5	72

#	ARTICLE	IF	CITATIONS
37	Expression of Human Skin-Specific Genes Defined by Transcriptomics and Antibody-Based Profiling. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 129-141.	2.5	63
38	Quantification and discovery of sequence determinants of protein-mRNA amount in human tissues. <i>Molecular Systems Biology</i> , 2019, 15, e8513.	7.2	63
39	A high-throughput strategy for protein profiling in cell microarrays using automated image analysis. <i>Proteomics</i> , 2007, 7, 2142-2150.	2.2	59
40	Elevated Expression of the C-Type Lectin CD93 in the Glioblastoma Vasculature Regulates Cytoskeletal Rearrangements That Enhance Vessel Function and Reduce Host Survival. <i>Cancer Research</i> , 2015, 75, 4504-4516.	0.9	59
41	The human cardiac and skeletal muscle proteomes defined by transcriptomics and antibody-based profiling. <i>BMC Genomics</i> , 2015, 16, 475.	2.8	58
42	Extension of diffuse low-grade gliomas beyond radiological borders as shown by the coregistration of histopathological and magnetic resonance imaging data. <i>Journal of Neurosurgery</i> , 2016, 125, 1155-1166.	1.6	58
43	Defining the Human Adipose Tissue Proteome To Reveal Metabolic Alterations in Obesity. <i>Journal of Proteome Research</i> , 2014, 13, 5106-5119.	3.7	55
44	Prognostic Impact of Tumor Cell Programmed Death Ligand 1 Expression and Immune Cell Infiltration in NSCLC. <i>Journal of Thoracic Oncology</i> , 2019, 14, 628-640.	1.1	54
45	Pleiotrophin promotes vascular abnormalization in gliomas and correlates with poor survival in patients with astrocytomas. <i>Science Signaling</i> , 2015, 8, ra125.	3.6	52
46	U-CAN: a prospective longitudinal collection of biomaterials and clinical information from adult cancer patients in Sweden. <i>Acta Oncologica</i> , 2018, 57, 187-194.	1.8	52
47	The Kidney Transcriptome and Proteome Defined by Transcriptomics and Antibody-Based Profiling. <i>PLoS ONE</i> , 2014, 9, e116125.	2.5	49
48	Contribution of Antibody-based Protein Profiling to the Human Chromosome-centric Proteome Project (C-HPP). <i>Journal of Proteome Research</i> , 2013, 12, 2439-2448.	3.7	48
49	Guidance Molecule SEMA3A Restricts Tumor Growth by Differentially Regulating the Proliferation of Tumor-Associated Macrophages. <i>Cancer Research</i> , 2016, 76, 3166-3178.	0.9	48
50	Genetic instability in the 9q22.3 region is a late event in the development of squamous cell carcinoma. <i>Oncogene</i> , 1998, 17, 1837-1843.	5.9	45
51	High nuclear RBM3 expression is associated with an improved prognosis in colorectal cancer. <i>Proteomics - Clinical Applications</i> , 2011, 5, 624-635.	1.6	44
52	Evidence for a morphologically distinct and functionally robust cell type in the proximal tubules of human kidney. <i>Human Pathology</i> , 2014, 45, 382-393.	2.0	44
53	Analysis of Body-wide Unfractionated Tissue Data to Identify a Core Human Endothelial Transcriptome. <i>Cell Systems</i> , 2016, 3, 287-301.e3.	6.2	44
54	Defining the Human Brain Proteome Using Transcriptomics and Antibody-Based Profiling with a Focus on the Cerebral Cortex. <i>PLoS ONE</i> , 2015, 10, e0130028.	2.5	44

#	ARTICLE	IF	CITATIONS
55	Serglycin as a potential biomarker for glioma: association of serglycin expression, extent of mast cell recruitment and glioblastoma progression. <i>Oncotarget</i> , 2017, 8, 24815-24827.	1.8	42
56	Novel Multiomics Profiling of Human Carotid Atherosclerotic Plaques and Plasma Reveals Biliverdin Reductase B as a Marker of Intraplaque Hemorrhage. <i>JACC Basic To Translational Science</i> , 2018, 3, 464-480.	4.1	42
57	LIPG-promoted lipid storage mediates adaptation to oxidative stress in breast cancer. <i>International Journal of Cancer</i> , 2019, 145, 901-915.	5.1	41
58	Consequences of a high incidence of microsatellite instability and <i>BRAF</i> mutated tumors: A population-based cohort of metastatic colorectal cancer patients. <i>Cancer Medicine</i> , 2019, 8, 3623-3635.	2.8	40
59	Glioma-derived macrophage migration inhibitory factor (MIF) promotes mast cell recruitment in a STAT5-dependent manner. <i>Molecular Oncology</i> , 2014, 8, 50-58.	4.6	37
60	SATB2 is expressed in Merkel cell carcinoma. <i>Archives of Dermatological Research</i> , 2016, 308, 449-454.	1.9	37
61	Human Cytomegalovirus Tegument Protein pp65 Is Detected in All Intra- and Extra-Axial Brain Tumours Independent of the Tumour Type or Grade. <i>PLoS ONE</i> , 2014, 9, e108861.	2.5	37
62	The Human Pancreas Proteome Defined by Transcriptomics and Antibody-Based Profiling. <i>PLoS ONE</i> , 2014, 9, e115421.	2.5	35
63	Lipogenic signalling modulates prostate cancer cell adhesion and migration via modification of Rho GTPases. <i>Oncogene</i> , 2020, 39, 3666-3679.	5.9	35
64	CDX2: A Prognostic Marker in Metastatic Colorectal Cancer Defining a Better BRAF Mutated and a Worse KRAS Mutated Subgroup. <i>Frontiers in Oncology</i> , 2020, 10, 8.	2.8	35
65	GPR44 is a pancreatic protein restricted to the human beta cell. <i>Acta Diabetologica</i> , 2016, 53, 413-421.	2.5	34
66	The protein phosphatase 2A regulatory subunit PR70 is a gonosomal melanoma tumor suppressor gene. <i>Science Translational Medicine</i> , 2016, 8, 369ra177.	12.4	33
67	Inconsistent results in the analysis of ALK rearrangements in non-small cell lung cancer. <i>BMC Cancer</i> , 2016, 16, 603.	2.6	33
68	A specific antibody to detect transcription factor T-Pit: a reliable marker of corticotroph cell differentiation and a tool to improve the classification of pituitary neuroendocrine tumours. <i>Acta Neuropathologica</i> , 2017, 134, 675-677.	7.7	32
69	Glioma-derived plasminogen activator inhibitor-1 (PAI-1) regulates the recruitment of LRP1 positive mast cells. <i>Oncotarget</i> , 2015, 6, 23647-23661.	1.8	31
70	Survival-associated heterogeneity of marker-defined perivascular cells in colorectal cancer. <i>Oncotarget</i> , 0, 7, 41948-41958.	1.8	30
71	A human adipose tissue cell-type transcriptome atlas. <i>Cell Reports</i> , 2022, 40, 111046.	6.4	30
72	Systematic assessment of antibody selectivity in plasma based on a resource of enrichment profiles. <i>Scientific Reports</i> , 2019, 9, 8324.	3.3	29

#	ARTICLE	IF	CITATIONS
73	Prognostic impact of COX-2 in non-small cell lung cancer: A comprehensive compartment-specific evaluation of tumor and stromal cell expression. <i>Cancer Letters</i> , 2015, 356, 837-845.	7.2	28
74	HPV typing and HPV16E6-sequence variations in synchronous lesions of cervical squamous-cell carcinoma from Swedish patients. , 1999, 83, 34-37.		27
75	A systematic search strategy identifies cubilin as independent prognostic marker for renal cell carcinoma. <i>BMC Cancer</i> , 2017, 17, 9.	2.6	27
76	High RBM3 expression is associated with an improved survival and oxaliplatin response in patients with metastatic colorectal cancer. <i>PLoS ONE</i> , 2017, 12, e0182512.	2.5	27
77	The Urinary Bladder Transcriptome and Proteome Defined by Transcriptomics and Antibody-Based Profiling. <i>PLoS ONE</i> , 2015, 10, e0145301.	2.5	25
78	The Human Adrenal Gland Proteome Defined by Transcriptomics and Antibody-Based Profiling. <i>Endocrinology</i> , 2017, 158, 239-251.	2.8	25
79	The prognostic impact of the tumour stroma fraction: A machine learning-based analysis in 16 human solid tumour types. <i>EBioMedicine</i> , 2021, 65, 103269.	6.1	25
80	Loss of ASRGL1 expression is an independent biomarker for disease-specific survival in endometrioid endometrial carcinoma. <i>Gynecologic Oncology</i> , 2015, 137, 529-537.	1.4	24
81	Tumor Vessel Up-Regulation of INSR Revealed by Single-Cell Expression Analysis of the Tyrosine Kinome and Phosphatome in Human Cancers. <i>American Journal of Pathology</i> , 2015, 185, 1600-1609.	3.8	24
82	Breast cancer in young women and prognosis: How important are proliferation markers?. <i>European Journal of Cancer</i> , 2017, 84, 278-289.	2.8	24
83	Analysis of the Human Prostate-Specific Proteome Defined by Transcriptomics and Antibody-Based Profiling Identifies TMEM79 and ACOXL as Two Putative, Diagnostic Markers in Prostate Cancer. <i>PLoS ONE</i> , 2015, 10, e0133449.	2.5	23
84	Molecular characterization of a large unselected cohort of metastatic colorectal cancers in relation to primary tumor location, rare metastatic sites and prognosis. <i>Acta Oncol</i> , 2020, 59, 417-426.	1.8	22
85	Endothelial cell heterogeneity and microglia regulons revealed by a pig cell landscape at single-cell level. <i>Nature Communications</i> , 2022, 13, .	12.8	22
86	Comparison of chromosome 3p deletions between cervical precancers synchronous with and without invasive cancer. , 2000, 86, 518-523.		21
87	Clonality of Precursors of Cervical Cancer and Their Genetical Links to Invasive Cancer. <i>Modern Pathology</i> , 2000, 13, 606-613.	5.5	20
88	Evaluation of Monospecific Antibodies. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2008, 16, 493-502.	1.2	20
89	Blood-derived biomarkers correlate with clinical progression in Duchenne muscular dystrophy. <i>Journal of Neuromuscular Diseases</i> , 2020, 7, 231-246.	2.6	20
90	In situ protein detection with enhanced specificity using DNA-conjugated antibodies and proximity ligation. <i>Modern Pathology</i> , 2018, 31, 253-263.	5.5	18

#	ARTICLE	IF	CITATIONS
91	Tumoral Pyruvate Kinase L/R as a Predictive Marker for the Treatment of Renal Cancer Patients with Sunitinib and Sorafenib. <i>Journal of Cancer</i> , 2019, 10, 3224-3231.	2.5	18
92	The noncoding MIR100HG RNA enhances the autocrine function of transforming growth factor β^2 signaling. <i>Oncogene</i> , 2021, 40, 3748-3765.	5.9	18
93	Reaching the limits of prognostication in non-small cell lung cancer: an optimized biomarker panel fails to outperform clinical parameters. <i>Modern Pathology</i> , 2017, 30, 964-977.	5.5	17
94	Infiltration of NK and plasma cells is associated with a distinct immune subset in non-small cell lung cancer. <i>Journal of Pathology</i> , 2021, 255, 243-256.	4.5	17
95	Oncogene-Induced Senescence in Pituitary Adenomas – an Immunohistochemical Study. <i>Endocrine Pathology</i> , 2016, 27, 1-11.	9.0	16
96	Combined ASRGL1 and p53 immunohistochemistry as an independent predictor of survival in endometrioid endometrial carcinoma. <i>Gynecologic Oncology</i> , 2018, 149, 173-180.	1.4	16
97	Detection of autoantibodies against cancer-testis antigens in non-small cell lung cancer. <i>Lung Cancer</i> , 2018, 125, 157-163.	2.0	16
98	The Immune Landscape of Colorectal Cancer. <i>Cancers</i> , 2021, 13, 5545.	3.7	14
99	Genome-wide annotation of protein-coding genes in pig. <i>BMC Biology</i> , 2022, 20, 25.	3.8	14
100	Annotation of pituitary neuroendocrine tumors with genome-wide expression analysis. <i>Acta Neuropathologica Communications</i> , 2021, 9, 181.	5.2	12
101	Scalable In Situ Hybridization on Tissue Arrays for Validation of Novel Cancer and Tissue-Specific Biomarkers. <i>PLoS ONE</i> , 2012, 7, e32927.	2.5	11
102	Metastatic colorectal carcinomas with high SATB2 expression are associated with better prognosis and response to chemotherapy: a population-based Scandinavian study. <i>Acta Oncologica</i> , 2020, 59, 284-290.	1.8	11
103	PROX1 is a novel pathway-specific prognostic biomarker for high-grade astrocytomas; results from independent glioblastoma cohorts stratified by age and IDH mutation status. <i>Oncotarget</i> , 2016, 7, 72431-72442.	1.8	11
104	Cetuximab sensitivity of head and neck squamous cell carcinoma xenografts is associated with treatment-induced reduction in $\langle scp \rangle$ EGFR $\langle /scp \rangle$, $p\langle scp \rangle$ EGFR $\langle /scp \rangle$, and pSrc. <i>Journal of Oral Pathology and Medicine</i> , 2017, 46, 717-724.	2.7	10
105	Mast Cell Infiltration in Human Brain Metastases Modulates the Microenvironment and Contributes to the Metastatic Potential. <i>Frontiers in Oncology</i> , 2017, 7, 115.	2.8	10
106	The Human Endometrium-Specific Proteome Defined by Transcriptomics and Antibody-Based Profiling. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 659-668.	2.0	9
107	Tumoral ANXA1 Is a Predictive Marker for Sunitinib Treatment of Renal Cancer Patients. <i>Journal of Cancer</i> , 2017, 8, 3975-3983.	2.5	9
108	Affinity Proteomics Exploration of Melanoma Identifies Proteins in Serum with Associations to T-Stage and Recurrence. <i>Translational Oncology</i> , 2017, 10, 385-395.	3.7	8

#	ARTICLE	IF	CITATIONS
109	Proximity Ligation Assay as a Tool for Antibody Validation in Human Tissues. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 515-529.	2.5	8
110	ELTD1 deletion reduces vascular abnormality and improves T-cell recruitment after PD-1 blockade in glioma. <i>Neuro-Oncology</i> , 2022, 24, 398-411.	1.2	7
111	Tumoral cubilin is a predictive marker for treatment of renal cancer patients with sunitinib and sorafenib. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 961-970.	2.5	5
112	Stroma-normalised vessel density predicts benefit from adjuvant fluorouracil-based chemotherapy in patients with stage II/III colon cancer. <i>British Journal of Cancer</i> , 2019, 121, 303-311.	6.4	5
113	A gene-centric approach to biomarker discovery identifies transglutaminase 1 as an epidermal autoantigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	4
114	Combined expression of HOXA11 and CD10 identifies endometriosis versus normal tissue and tumors. <i>Annals of Diagnostic Pathology</i> , 2022, 56, 151870.	1.3	3
115	Comparison of chromosome 3p deletions between cervical precancers synchronous with and without invasive cancer. <i>International Journal of Cancer</i> , 2000, 86, 518-523.	5.1	1
116	Antibody Validation for Estrogen Receptor Beta. <i>Methods in Molecular Biology</i> , 2022, 2418, 1-23.	0.9	1