

Roman Fischer

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

10,601
citations

41627

51
h-index

46524

93
g-index

183
all docs

183
docs citations

183
times ranked

19912
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactome screening of <i>C9orf72</i> dipeptide repeats reveals VCP sequestration and functional impairment by polyGA. <i>Brain</i> , 2022, 145, 684-699.	3.7	15
2	Integrated Plasma and Tissue Proteomics Reveals Attractin Release by Intraluminal Thrombus of Abdominal Aortic Aneurysms and Improves Aneurysm Growth Prediction in Humans. <i>Annals of Surgery</i> , 2022, 275, 1206-1211.	2.1	13
3	ABPP-HT*â€”Deep Meets Fast for Activity-Based Profiling of Deubiquitylating Enzymes Using Advanced DIA Mass Spectrometry Methods. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3263.	1.8	7
4	Sequence and structural variations determining the recruitment of WNK kinases to the KLHL3 E3 ligase. <i>Biochemical Journal</i> , 2022, 479, 661-675.	1.7	4
5	Factor inhibiting HIF can catalyze two asparaginyl hydroxylations in VNVN motifs of ankyrin fold proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 102020.	1.6	4
6	Chronic inflammatory arthritis drives systemic changes in circadian energy metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112781119.	3.3	11
7	The effects of endogenouslyâ€•and exogenouslyâ€•induced hyperketonemia on exercise performance and adaptation. <i>Physiological Reports</i> , 2022, 10, .	0.7	8
8	T-cell trans-synaptic vesicles are distinct and carry greater effector content than constitutive extracellular vesicles. <i>Nature Communications</i> , 2022, 13, .	5.8	18
9	Abstract 1247: Comprehensive molecular profiling to predict first-line immunochemotherapy outcomes in inoperable esophageal adenocarcinoma. <i>Cancer Research</i> , 2022, 82, 1247-1247.	0.4	0
10	LARP1 isoform expression in human cancer cell lines. <i>RNA Biology</i> , 2021, 18, 237-247.	1.5	11
11	Value of lipocalin 2 as a potential biomarker for bacterial meningitis. <i>Clinical Microbiology and Infection</i> , 2021, 27, 724-730.	2.8	9
12	Assessment of different screening methods for selecting palaeontological bone samples for peptide sequencing. <i>Journal of Proteomics</i> , 2021, 230, 103986.	1.2	3
13	Detection and quantification of novel C-terminal TDPâ€•43 fragments in ALSâ€•TDP. <i>Brain Pathology</i> , 2021, 31, e12923.	2.1	26
14	<i>Drosophila</i> Sex Peptide controls the assembly of lipid microcarriers in seminal fluid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
15	Functional analysis of a gene-edited mouse model to gain insights into the disease mechanisms of a titin missense variant. <i>Basic Research in Cardiology</i> , 2021, 116, 14.	2.5	16
16	SPRTN protease-cleaved MRE11 decreases DNA repair and radiosensitises cancer cells. <i>Cell Death and Disease</i> , 2021, 12, 165.	2.7	8
17	ABPP-HT - High-Throughput Activity-Based Profiling of Deubiquitylating Enzyme Inhibitors in a Cellular Context. <i>Frontiers in Chemistry</i> , 2021, 9, 640105.	1.8	15
18	Global proteomic analysis of extracellular matrix in mouse and human brain highlights relevance to cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2423-2438.	2.4	14

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19	Network Analysis of the CSF Proteome Characterizes Convergent Pathways of Cellular Dysfunction in ALS. <i>Frontiers in Neuroscience</i> , 2021, 15, 642324.	1.4	6
20	Thymosin β 4 protects against aortic aneurysm via endocytic regulation of growth factor signaling. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	15
21	Assessing the degradation of ancient milk proteins through site-specific deamidation patterns. <i>Scientific Reports</i> , 2021, 11, 7795.	1.6	22
22	Functional Genomic Analysis of a <i>RUNX3</i> Polymorphism Associated With Ankylosing Spondylitis. <i>Arthritis and Rheumatology</i> , 2021, 73, 980-990.	2.9	10
23	Kawasaki Disease Patient Stratification and Pathway Analysis Based on Host Transcriptomic and Proteomic Profiles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5655.	1.8	6
24	The chaperonin CCT8 controls proteostasis essential for T cell maturation, selection, and function. <i>Communications Biology</i> , 2021, 4, 681.	2.0	6
25	Phenotypic manifestation of α -synuclein strains derived from Parkinson's disease and multiple system atrophy in human dopaminergic neurons. <i>Nature Communications</i> , 2021, 12, 3817.	5.8	52
26	Diabetic mitochondria are resistant to palmitoyl CoA inhibition of respiration, which is detrimental during ischemia. <i>FASEB Journal</i> , 2021, 35, e21765.	0.2	4
27	Proteomic Signature of Dysfunctional Circulating Endothelial Colony-Forming Cells of Young Adults. <i>Journal of the American Heart Association</i> , 2021, 10, e021119.	1.6	3
28	A modified density gradient proteomic-based method to analyze endolysosomal proteins in cardiac tissue. <i>IScience</i> , 2021, 24, 102949.	1.9	1
29	Age-dependent changes in protein incorporation into collagen-rich tissues of mice by in vivo pulsed SILAC labelling. <i>ELife</i> , 2021, 10, .	2.8	22
30	The Bloom syndrome complex senses RPA-coated single-stranded DNA to restart stalled replication forks. <i>Nature Communications</i> , 2021, 12, 585.	5.8	48
31	Regulation of CYLD activity and specificity by phosphorylation and ubiquitin-binding CAP-Gly domains. <i>Cell Reports</i> , 2021, 37, 109777.	2.9	20
32	Defactinib inhibits PYK2 phosphorylation of IRF5 and reduces intestinal inflammation. <i>Nature Communications</i> , 2021, 12, 6702.	5.8	13
33	FOXN1 forms higher-order nuclear condensates displaced by mutations causing immunodeficiency. <i>Science Advances</i> , 2021, 7, eabj9247.	4.7	10
34	Advancing mechanistic understanding and biomarker development in amyotrophic lateral sclerosis. <i>Expert Review of Proteomics</i> , 2021, 18, 977-994.	1.3	5
35	Lineage-Restricted Regulation of SCD and Fatty Acid Saturation by MITF Controls Melanoma Phenotypic Plasticity. <i>Molecular Cell</i> , 2020, 77, 120-137.e9.	4.5	87
36	An ALS-linked mutation in TDP-43 disrupts normal protein interactions in the motor neuron response to oxidative stress. <i>Neurobiology of Disease</i> , 2020, 144, 105050.	2.1	30

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37	The Immunomodulatory Metabolite Itaconate Modifies NLRP3 and Inhibits Inflammasome Activation. <i>Cell Metabolism</i> , 2020, 32, 468-478.e7.	7.2	283
38	The role of birds at the Neolithic transition revealed by the analysis of eggshell. <i>Quaternary International</i> , 2020, 543, 50-60.	0.7	10
39	Quality Control of ER Membrane Proteins by the RNF185/Membralin Ubiquitin Ligase Complex. <i>Molecular Cell</i> , 2020, 79, 768-781.e7.	4.5	41
40	Identifying collagen VI as a target of fibrotic diseases regulated by CREBBP/EP300. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20753-20763.	3.3	45
41	Living off the land: Terrestrial-based diet and dairying in the farming communities of the Neolithic Balkans. <i>PLoS ONE</i> , 2020, 15, e0237608.	1.1	21
42	CSF extracellular vesicle proteomics demonstrates altered protein homeostasis in amyotrophic lateral sclerosis. <i>Clinical Proteomics</i> , 2020, 17, 31.	1.1	27
43	Supramolecular attack particles are autonomous killing entities released from cytotoxic T cells. <i>Science</i> , 2020, 368, 897-901.	6.0	98
44	Phosphoproteomics of CD2 signaling reveals AMPK-dependent regulation of lytic granule polarization in cytotoxic T cells. <i>Science Signaling</i> , 2020, 13, .	1.6	18
45	TEX264 coordinates p97- and SPRTN-mediated resolution of topoisomerase 1-DNA adducts. <i>Nature Communications</i> , 2020, 11, 1274.	5.8	64
46	What's the catch? Archaeological application of rapid collagen-based species identification for Pacific Salmon. <i>Journal of Archaeological Science</i> , 2020, 116, 105116.	1.2	19
47	MaxQuant Software for Ion Mobility Enhanced Shotgun Proteomics. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1058-1069.	2.5	128
48	Male reproductive aging arises via multifaceted mating-dependent sperm and seminal proteome declines, but is postponable in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17094-17103.	3.3	39
49	DeamiDATE 1.0: Site-specific deamidation as a tool to assess authenticity of members of ancient proteomes. <i>Journal of Archaeological Science</i> , 2020, 115, 105080.	1.2	36
50	Characterization of exosomes in peritoneal fluid of endometriosis patients. <i>Fertility and Sterility</i> , 2020, 113, 364-373.e2.	0.5	35
51	Glycosylated Siglec-6 expression in syncytiotrophoblast-derived extracellular vesicles from preeclampsia placentas. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 838-844.	1.0	19
52	Scottish soldiers from the Battle of Dunbar 1650: A prosopographical approach to a skeletal assemblage. <i>PLoS ONE</i> , 2020, 15, e0243369.	1.1	7
53	Interaction mapping of endoplasmic reticulum ubiquitin ligases identifies modulators of innate immune signalling. <i>ELife</i> , 2020, 9, .	2.8	61
54	Ataxin-3 Links NOD2 and TLR2 Mediated Innate Immune Sensing and Metabolism in Myeloid Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1495.	2.2	11

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55	SPRTN protease and checkpoint kinase 1 cross-activation loop safeguards DNA replication. <i>Nature Communications</i> , 2019, 10, 3142.	5.8	36
56	Nitric Oxide Modulates Metabolic Remodeling in Inflammatory Macrophages through TCA Cycle Regulation and Itaconate Accumulation. <i>Cell Reports</i> , 2019, 28, 218-230.e7.	2.9	149
57	Mechanism of Signalling and Adaptation through the <i>Rhodobacter sphaeroides</i> Cytoplasmic Chemoreceptor Cluster. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5095.	1.8	9
58	Extracellular vesicle integrins act as a nexus for platelet adhesion in cerebral microvessels. <i>Scientific Reports</i> , 2019, 9, 15847.	1.6	9
59	Divergent allocation of sperm and the seminal proteome along a competition gradient in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17925-17933.	3.3	76
60	New insights into Neolithic milk consumption through proteomic analysis of dental calculus. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 6183-6196.	0.7	45
61	Proteomics analysis of the matrisome from MC38 experimental mouse liver metastases. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G625-G639.	1.6	7
62	Comprehensive Landscape of Active Deubiquitinating Enzymes Profiled by Advanced Chemoproteomics. <i>Frontiers in Chemistry</i> , 2019, 7, 592.	1.8	41
63	Birds of prey and humans in prehistoric Europe: A view from El Mirón Cave, Cantabria (Spain). <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 244-252.	0.2	8
64	Diabetes causes marked inhibition of mitochondrial metabolism in pancreatic β -cells. <i>Nature Communications</i> , 2019, 10, 2474.	5.8	223
65	RASSF1A is required for the maintenance of nuclear actin levels. <i>EMBO Journal</i> , 2019, 38, e101168.	3.5	37
66	Palaeoproteomics resolves sloth relationships. <i>Nature Ecology and Evolution</i> , 2019, 3, 1121-1130.	3.4	91
67	Molecular insights into an ancient form of Paget's disease of bone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10463-10472.	3.3	24
68	A late Middle Pleistocene Denisovan mandible from the Tibetan Plateau. <i>Nature</i> , 2019, 569, 409-412.	13.7	302
69	MDC1 Interacts with TOPBP1 to Maintain Chromosomal Stability during Mitosis. <i>Molecular Cell</i> , 2019, 74, 571-583.e8.	4.5	97
70	Adaptation to HIF1 α Deletion in Hypoxic Cancer Cells by Upregulation of GLUT14 and Creatine Metabolism. <i>Molecular Cancer Research</i> , 2019, 17, 1531-1544.	1.5	22
71	Tumor Imaging Using Radiolabeled Matrix Metalloproteinase-Activated Anthrax Proteins. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1474-1482.	2.8	6
72	Development of a Sensitive, Scalable Method for Spatial, Cell-Type-Resolved Proteomics of the Human Brain. <i>Journal of Proteome Research</i> , 2019, 18, 1787-1795.	1.8	39

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73	Colonic epithelial cell diversity in health and inflammatory bowel disease. <i>Nature</i> , 2019, 567, 49-55.	13.7	486
74	BMP signaling inhibition in <i>Drosophila</i> secondary cells remodels the seminal proteome and self and rival ejaculate functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24719-24728.	3.3	29
75	Integrated Physiological and Biochemical Assessments for the Prediction of Growth of Abdominal Aortic Aneurysms in Humans. <i>Annals of Surgery</i> , 2019, 270, e1-e3.	2.1	16
76	Quantitative Proteomics Identification of Seminal Fluid Proteins in Male <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Proteomics</i> , 2019, 18, S46-S58.	2.5	66
77	Lack of activity of recombinant HIF prolyl hydroxylases (PHDs) on reported non-HIF substrates. <i>ELife</i> , 2019, 8, .	2.8	70
78	Composition and structure of synaptic ectosomes exporting antigen receptor linked to functional CD40 ligand from helper T cells. <i>ELife</i> , 2019, 8, .	2.8	57
79	Cardiac Dysfunction and Metabolic Inflexibility in a Mouse Model of Diabetes Without Dyslipidemia. <i>Diabetes</i> , 2018, 67, 1057-1067.	0.3	28
80	FBXL13 directs the proteolysis of CEP192 to regulate centrosome homeostasis and cell migration. <i>EMBO Reports</i> , 2018, 19, .	2.0	18
81	Cerebrospinal fluid macrophage biomarkers in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2018, 83, 258-268.	2.8	107
82	A robust mass spectrometry method for rapid profiling of erythrocyte ghost membrane proteomes. <i>Clinical Proteomics</i> , 2018, 15, 14.	1.1	28
83	Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. <i>Nature</i> , 2018, 556, 113-117.	13.7	1,115
84	UFLC-Derived CSF Extracellular Vesicle Origin and Proteome. <i>Proteomics</i> , 2018, 18, e1800257.	1.3	36
85	Colorectal cancer liver metastatic growth depends on PAD4-driven citrullination of the extracellular matrix. <i>Nature Communications</i> , 2018, 9, 4783.	5.8	134
86	Bi-directional signaling by membrane-bound KitL induces proliferation and coordinates thymic endothelial cell and thymocyte expansion. <i>Nature Communications</i> , 2018, 9, 4685.	5.8	9
87	Ancient proteins from ceramic vessels at Neolithic West reveal the hidden cuisine of early farmers. <i>Nature Communications</i> , 2018, 9, 4064.	5.8	105
88	TrCP- and Casein Kinase II-Mediated Degradation of Cyclin F Controls Timely Mitotic Progression. <i>Cell Reports</i> , 2018, 24, 3404-3412.	2.9	37
89	Tetrahydrobiopterin modulates ubiquitin conjugation to UBC13/UBE2N and proteasome activity by S-nitrosation. <i>Scientific Reports</i> , 2018, 8, 14310.	1.6	5
90	Proteomic profiling of the plasma of Gambian children with cerebral malaria. <i>Malaria Journal</i> , 2018, 17, 337.	0.8	16

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91	A variant NuRD complex containing PWWP2A/B excludes MBD2/3 to regulate transcription at active genes. <i>Nature Communications</i> , 2018, 9, 3798.	5.8	40
92	Glutamate receptor $\gamma 2$ serum antibodies in pediatric opsoclonus myoclonus ataxia syndrome. <i>Neurology</i> , 2018, 91, e714-e723.	1.5	43
93	53BP1 cooperation with the REV7 α shieldin complex underpins DNA structure-specific NHEJ. <i>Nature</i> , 2018, 560, 122-127.	13.7	222
94	A TFEB nuclear export signal integrates amino acid supply and glucose availability. <i>Nature Communications</i> , 2018, 9, 2685.	5.8	84
95	Proteomic evidence of dietary sources in ancient dental calculus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180977.	1.2	97
96	BRAF/MAPK and GSK3 signaling converges to control MITF nuclear export. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8668-E8677.	3.3	50
97	Proteo-metabolomics reveals compensation between ischemic and non-injured contralateral kidneys after reperfusion. <i>Scientific Reports</i> , 2018, 8, 8539.	1.6	39
98	Development and validation of response markers to predict survival and pleurodesis success in patients with malignant pleural effusion (PROMISE): a multicohort analysis. <i>Lancet Oncology</i> , The, 2018, 19, 930-939.	5.1	92
99	The Jumonji-C oxygenase JMJD7 catalyzes (3S)-lysyl hydroxylation of TRAFAC GTPases. <i>Nature Chemical Biology</i> , 2018, 14, 688-695.	3.9	31
100	Proteomic profiling of the brain of mice with experimental cerebral malaria. <i>Journal of Proteomics</i> , 2018, 180, 61-69.	1.2	5
101	PCNA dependent cellular activities tolerate dramatic perturbations in PCNA client interactions. <i>DNA Repair</i> , 2017, 50, 22-35.	1.3	12
102	A Ribosomopathy Reveals Decoding Defective Ribosomes Driving Human Dysmorphisms. <i>American Journal of Human Genetics</i> , 2017, 100, 506-522.	2.6	69
103	Expanding Proteome Coverage with CHarge Ordered Parallel Ion aNalysis (CHOPIN) Combined with Broad Specificity Proteolysis. <i>Journal of Proteome Research</i> , 2017, 16, 1288-1299.	1.8	92
104	Inflammatory Stroke Extracellular Vesicles Induce Macrophage Activation. <i>Stroke</i> , 2017, 48, 2292-2296.	1.0	49
105	A novel role for endothelial tetrahydrobiopterin in mitochondrial redox balance. <i>Free Radical Biology and Medicine</i> , 2017, 104, 214-225.	1.3	49
106	New criteria for the molecular identification of cereal grains associated with archaeological artefacts. <i>Scientific Reports</i> , 2017, 7, 6633.	1.6	63
107	Association of Distinct Fine Specificities of Anti γ -CitruUinated Peptide Antibodies With Elevated Immune Responses to <i>Prevotella intermedia</i> in a Subgroup of Patients With Rheumatoid Arthritis and Periodontitis. <i>Arthritis and Rheumatology</i> , 2017, 69, 2303-2313.	2.9	37
108	A novel workflow combining plaque imaging, plaque and plasma proteomics identifies biomarkers of human coronary atherosclerotic plaque disruption. <i>Clinical Proteomics</i> , 2017, 14, 22.	1.1	16

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109	The identification of archaeological eggshell using peptide markers. <i>Science and Technology of Archaeological Research</i> , 2017, 3, 89-99.	2.4	23
110	Modulation of proteostasis counteracts oxidative stress and affects DNA base excision repair capacity in ATM-deficient cells. <i>Nucleic Acids Research</i> , 2017, 45, 10042-10055.	6.5	13
111	RYBP stimulates PRC1 to shape chromatin-based communication between Polycomb repressive complexes. <i>ELife</i> , 2016, 5, .	2.8	111
112	<sc>SCF</sc> (Fbxl17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development. <i>EMBO Journal</i> , 2016, 35, 1400-1416.	3.5	50
113	Integrative Phosphoproteomics Links IL-23R Signaling with Metabolic Adaptation in Lymphocytes. <i>Scientific Reports</i> , 2016, 6, 24491.	1.6	24
114	Proteomic changes in response to crystal formation in <i>Drosophila</i> Malpighian tubules. <i>Fly</i> , 2016, 10, 91-100.	0.9	12
115	Defining the HLA class II-associated viral antigen repertoire from HIV-1-infected human cells. <i>European Journal of Immunology</i> , 2016, 46, 60-69.	1.6	57
116	Salt-Inducible Kinase 2 Couples Ovarian Cancer Cell Metabolism with Survival at the Adipocyte-Rich Metastatic Niche. <i>Cancer Cell</i> , 2016, 30, 273-289.	7.7	143
117	Abrogation of collagen-induced arthritis by a peptidyl arginine deiminase inhibitor is associated with modulation of T cell-mediated immune responses. <i>Scientific Reports</i> , 2016, 6, 26430.	1.6	76
118	Palaeoproteomic evidence identifies archaic hominins associated with the Châtelperronian at the Grotte du Renne. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11162-11167.	3.3	251
119	Metalloprotease SPRTN/DVC1 Orchestrates Replication-Coupled DNA-Protein Crosslink Repair. <i>Molecular Cell</i> , 2016, 64, 704-719.	4.5	193
120	Plasma degradome affected by variable storage of human blood. <i>Clinical Proteomics</i> , 2016, 13, 26.	1.1	27
121	A7.01...Abrogation of collagen-induced arthritis by a second generation peptidyl arginine deiminase inhibitor is associated with a shift from TH1/TH17 to TH2-mediated immune responses. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, A56.1-A56.	0.5	0
122	Identification of an immunodominant peptide from citrullinated tenascin-C as a major target for autoantibodies in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1876-1883.	0.5	58
123	Crystal structure of <i>Porphyromonas gingivalis</i> peptidylarginine deiminase: implications for autoimmunity in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1255-1261.	0.5	66
124	Structure of the Human Protein Kinase ZAK in Complex with Vemurafenib. <i>ACS Chemical Biology</i> , 2016, 11, 1595-1602.	1.6	19
125	Protein sequences bound to mineral surfaces persist into deep time. <i>ELife</i> , 2016, 5, .	2.8	176
126	Gel-aided sample preparation (GASP) – A simplified method for gel-assisted proteomic sample generation from protein extracts and intact cells. <i>Proteomics</i> , 2015, 15, 1224-1229.	1.3	104

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127	Identification of distinct circulating exosomes in Parkinson's disease. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 353-361.	1.7	111
128	Animal origin of 13th-century uterine vellum revealed using noninvasive peptide fingerprinting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15066-15071.	3.3	140
129	Expanding the yeast protein arginine methylome. <i>Proteomics</i> , 2015, 15, 3232-3243.	1.3	21
130	Cells deficient in base-excision repair reveal cancer hallmarks originating from adjustments to genetic instability. <i>Nucleic Acids Research</i> , 2015, 43, 3667-3679.	6.5	39
131	Expression of citrulline and homocitrulline residues in the lungs of non-smokers and smokers: implications for autoimmunity in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 9.	1.6	102
132	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015, 522, 81-84.	13.7	273
133	Striking Oxygen Sensitivity of the Peptidylglycine α -Amidating Monooxygenase (PAM) in Neuroendocrine Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 24891-24901.	1.6	25
134	Hypoxia induces a lipogenic cancer cell phenotype via HIF1 α -dependent and -independent pathways. <i>Oncotarget</i> , 2015, 6, 1920-1941.	0.8	72
135	Integration of Proteomics and Metabolomics to Unravel the Mechanism of Ischemia Reperfusion Injury in Donor Kidneys for Transplantation.. <i>Transplantation</i> , 2014, 98, 76.	0.5	0
136	RNA and Imidazoquinolines Are Sensed by Distinct TLR7/8 Ectodomain Sites Resulting in Functionally Disparate Signaling Events. <i>Journal of Immunology</i> , 2014, 192, 5963-5973.	0.4	38
137	Optimal Translational Termination Requires C4 Lysyl Hydroxylation of eRF1. <i>Molecular Cell</i> , 2014, 53, 645-654.	4.5	99
138	OGFOD1 catalyzes prolyl hydroxylation of RPS23 and is involved in translation control and stress granule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4031-4036.	3.3	105
139	Critical Role of Endoplasmic Reticulum Aminopeptidase 1 in Determining the Length and Sequence of Peptides Bound and Presented by HLA-B*27. <i>Arthritis and Rheumatology</i> , 2014, 66, 284-294.	2.9	71
140	<sc>GOAT</sc> â€“ A simple <sc>LC</sc>â€™<sc>MS</sc>/<sc>MS</sc> gradient optimization tool. <i>Proteomics</i> , 2014, 14, 1467-1471.	1.3	17
141	Direct evidence of milk consumption from ancient human dental calculus. <i>Scientific Reports</i> , 2014, 4, 7104.	1.6	184
142	Inhibition of Mitochondrial Aconitase by Succination in Fumarate Hydratase Deficiency. <i>Cell Reports</i> , 2013, 3, 689-700.	2.9	137
143	PfHPRT: A New Biomarker Candidate of Acute <i>Plasmodium falciparum</i> Infection. <i>Journal of Proteome Research</i> , 2013, 12, 1211-1222.	1.8	19
144	Two birds with one stone: Doing metabolomics with your proteomics kit. <i>Proteomics</i> , 2013, 13, 3371-3386.	1.3	24

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145	Detection of Multiple Autoantibodies in Patients with Ankylosing Spondylitis Using Nucleic Acid Programmable Protein Arrays. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M9.00384.	2.5	77
146	Discovery of Candidate Serum Proteomic and Metabolomic Biomarkers in Ankylosing Spondylitis. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.013904.	2.5	92
147	Detection of BK virus in urine from renal transplant subjects by mass spectrometry. <i>Clinical Proteomics</i> , 2012, 9, 4.	1.1	20
148	Renal Cyst Formation in Fh1-Deficient Mice Is Independent of the Hif/Phd Pathway: Roles for Fumarate in KEAP1 Succination and Nrf2 Signaling. <i>Cancer Cell</i> , 2011, 20, 524-537.	7.7	494
149	Activity-Based Chemical Proteomics Accelerates Inhibitor Development for Deubiquitylating Enzymes. <i>Chemistry and Biology</i> , 2011, 18, 1401-1412.	6.2	348
150	Comparative evaluation of label-free SING normalized spectral index quantitation in the central proteomics facilities pipeline. <i>Proteomics</i> , 2011, 11, 2790-2797.	1.3	120
151	A Photoreactive Small-Molecule Probe for 2-Oxoglutarate Oxygenases. <i>Chemistry and Biology</i> , 2011, 18, 642-654.	6.2	46
152	Crystal structures of the endoplasmic reticulum aminopeptidase-1 (ERAP1) reveal the molecular basis for N-terminal peptide trimming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7745-7750.	3.3	216
153	Quantitative Mass Spectrometry Reveals Dynamics of Factor-inhibiting Hypoxia-inducible Factor-catalyzed Hydroxylation*. <i>Journal of Biological Chemistry</i> , 2011, 286, 33784-33794.	1.6	22
154	Detection of multiple autoantibodies in patients with ankylosing spondylitis using nucleic acid programmable protein arrays. <i>Molecular and Cellular Proteomics</i> , 2010, , .	2.5	7
155	Phylogeny by a polyphasic approach of the order Caulobacterales, proposal of <i>Caulobacter mirabilis</i> sp. nov., <i>Phenylobacterium haematophilum</i> sp. nov. and <i>Phenylobacterium conjunctum</i> sp. nov., and emendation of the genus <i>Phenylobacterium</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1939-1949.	0.8	57