

The Perseus computational platform for comprehensive

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Citation Report

#	ARTICLE	IF	CITATIONS
16	Impact of Microbiota on Resistance to Ocular <i>Pseudomonas aeruginosa</i> -Induced Keratitis. <i>PLoS Pathogens</i> , 2016, 12, e1005855.	2.1	102
17	Deep Phosphoproteomic Measurements Pinpointing Drug Induced Protective Mechanisms in Neuronal Cells. <i>Frontiers in Physiology</i> , 2016, 7, 635.	1.3	6
18	Proteomics reveals the effects of sustained weight loss on the human plasma proteome. <i>Molecular Systems Biology</i> , 2016, 12, 901.	3.2	188
19	Cardiovascular proteomics in the era of big data: experimental and computational advances. <i>Clinical Proteomics</i> , 2016, 13, 23.	1.1	9
20	CDK Substrate Phosphorylation and Ordering the Cell Cycle. <i>Cell</i> , 2016, 167, 1750-1761.e16.	13.5	270
21	Elucidation of Signaling Pathways from Large-Scale Phosphoproteomic Data Using Protein Interaction Networks. <i>Cell Systems</i> , 2016, 3, 585-593.e3.	2.9	72
22	Highly Multiplexed Quantitative Mass Spectrometry Analysis of Ubiquitylomes. <i>Cell Systems</i> , 2016, 3, 395-403.e4.	2.9	153
23	Global proteomics dataset of miR-126 overexpression in acute myeloid leukemia. <i>Data in Brief</i> , 2016, 9, 57-61.	0.5	12
24	ZMYND8 Co-localizes with NuRD on Target Genes and Regulates Poly(ADP-Ribose)-Dependent Recruitment of GATAD2A/NuRD to Sites of DNA Damage. <i>Cell Reports</i> , 2016, 17, 783-798.	2.9	100
25	Proteomic analysis of castor bean tick <i>Ixodes ricinus</i> : a focus on chemosensory organs. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 78, 58-68.	1.2	38
26	C9ORF72 interaction with cofilin modulates actin dynamics in motor neurons. <i>Nature Neuroscience</i> , 2016, 19, 1610-1618.	7.1	131
27	The Primary Effect on the Proteome of ARID1A-mutated Ovarian Clear Cell Carcinoma is Downregulation of the Mevalonate Pathway at the Post-transcriptional Level. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3348-3360.	2.5	23
28	LFQProfiler and RNPxl: Open-Source Tools for Label-Free Quantification and Protein-RNA Cross-Linking Integrated into Proteome Discoverer. <i>Journal of Proteome Research</i> , 2016, 15, 3441-3448.	1.8	29
29	OpenMS: a flexible open-source software platform for mass spectrometry data analysis. <i>Nature Methods</i> , 2016, 13, 741-748.	9.0	537
30	Polar Positioning of Phase-Separated Liquid Compartments in Cells Regulated by an mRNA Competition Mechanism. <i>Cell</i> , 2016, 166, 1572-1584.e16.	13.5	283
31	Quantitative secretomic analysis of pancreatic cancer cells in serum-containing conditioned medium. <i>Scientific Reports</i> , 2016, 6, 37606.	1.6	39
32	RHO binding to FAM65A regulates Golgi reorientation during cell migration. <i>Journal of Cell Science</i> , 2016, 129, 4466-4479.	1.2	45
33	Mass-spectrometric exploration of proteome structure and function. <i>Nature</i> , 2016, 537, 347-355.	13.7	1,573

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35	Up-to-Date Workflow for Plant (Phospho)proteomics Identifies Differential Drought-Responsive Phosphorylation Events in Maize Leaves. <i>Journal of Proteome Research</i> , 2016, 15, 4304-4317.	1.8	50
36	Breast cancer tumorigenicity is dependent on high expression levels of NAF-1 and the lability of its Fe-S clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10890-10895.	3.3	64
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38	msVolcano: A flexible web application for visualizing quantitative proteomics data. <i>Proteomics</i> , 2016, 16, 2491-2494.	1.3	16
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43	Kinobead and Single-Shot LC-MS Profiling Identifies Selective PKD Inhibitors. <i>Journal of Proteome Research</i> , 2017, 16, 1216-1227.	1.8	36
44	Site-specific mapping of the human SUMO proteome reveals co-modification with phosphorylation. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 325-336.	3.6	283
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49	Phosphorylation-Dependent Feedback Inhibition of RIG-I by DAPK1 Identified by Kinome-wide siRNA Screening. <i>Molecular Cell</i> , 2017, 65, 403-415.e8.	4.5	40
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62	Social network architecture of human immune cells unveiled by quantitative proteomics. <i>Nature Immunology</i> , 2017, 18, 583-593.	7.0	296
63	Phosphoproteins in extracellular vesicles as candidate markers for breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3175-3180.	3.3	328
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107	DUSP9 Modulates DNA Hypomethylation in Female Mouse Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2017, 20, 706-719.e7.	5.2	63
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145	MALDIViz: A Comprehensive Informatics Tool for MALDI-MS Data Visualization and Analysis. <i>SLAS Discovery</i> , 2017, 22, 1246-1252.	1.4	3
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158	Proteomic Analysis of Secreted Proteins from Cell Microenvironment. <i>Methods in Molecular Biology</i> , 2017, 1662, 45-58.	0.4	4
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1744	A Proteomics-Based Assessment of Inflammation Signatures in Endotoxemia. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100021.	2.5	5
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1748	FAX-RIC enables robust profiling of dynamic RNP complex formation in multicellular organisms in vivo. <i>Nucleic Acids Research</i> , 2021, 49, e28-e28.	6.5	11
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1755	Bottom up proteomics identifies neuronal differentiation pathway networks activated by cathepsin inhibition treatment in neuroblastoma cells that are enhanced by concurrent 13-cis retinoic acid treatment. <i>Journal of Proteomics</i> , 2021, 232, 104068.	1.2	2
1756	Urinary vitronectin identifies patients with high levels of fibrosis in kidney grafts. <i>Journal of Nephrology</i> , 2021, 34, 861-874.	0.9	20
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1761	What Are We Missing by Using Hydrophilic Enrichment? Improving Bacterial Glycoproteome Coverage Using Total Proteome and FAIMS Analyses. <i>Journal of Proteome Research</i> , 2021, 20, 599-612.	1.8	43
1762	Developmental acclimation of the thylakoid proteome to light intensity in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2021, 105, 223-244.	2.8	43
1763	Data independent acquisition of plasma biomarkers of response to neoadjuvant chemotherapy in pancreatic ductal adenocarcinoma. <i>Journal of Proteomics</i> , 2021, 231, 103998.	1.2	10
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1765	De novo polyamine synthesis supports metabolic and functional responses in activated murine NK cells. <i>European Journal of Immunology</i> , 2021, 51, 91-102.	1.6	18
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1945	Aflibercept Intervention in Experimental Branch Retinal Vein Occlusion Results in Upregulation of DnaJ Homolog Subfamily C Member 17. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-9.	0.6	4
1946	Muscle Proteomic Profile before and after Enzyme Replacement Therapy in Late-Onset Pompe Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2850.	1.8	11
1947	Phenotypic Models of CAR T-Cell Activation Elucidate the Pivotal Regulatory Role of CAR Downmodulation. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 946-957.	1.9	8
1948	Ex vivo glucocorticoid-induced secreted proteome approach for discovery of glucocorticoid-responsive proteins in human serum. <i>Proteomics - Clinical Applications</i> , 2021, 15, 2000078.	0.8	1
1949	Metabolic Alterations in Older Women With Low Bone Mineral Density Supplemented With <i>Lactobacillus reuteri</i> . <i>JBMR Plus</i> , 2021, 5, e10478.	1.3	18
1950	Molecular mechanisms of esophageal epithelial regeneration following repair of surgical defects with acellular silk fibroin grafts. <i>Scientific Reports</i> , 2021, 11, 7086.	1.6	3
1951	Facing the communication between soybean plants and microorganisms (<i>Bradyrhizobium</i> and <i>Delftia</i>) by quantitative shotgun proteomics. <i>Symbiosis</i> , 2021, 83, 293-304.	1.2	6
1952	Translation error clusters induced by aminoglycoside antibiotics. <i>Nature Communications</i> , 2021, 12, 1830.	5.8	40
1953	Proteomics of host-bacterial interactions: new insights from dual perspectives. <i>Canadian Journal of Microbiology</i> , 2021, 67, 213-225.	0.8	16
1954	Silk of the common clothes moth, <i>Tineola bisselliella</i> , a cosmopolitan pest belonging to the basal ditrysian moth line. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 130, 103527.	1.2	7
1955	Schwann cell plasticity regulates neuroblastic tumor cell differentiation via epidermal growth factor-like protein 8. <i>Nature Communications</i> , 2021, 12, 1624.	5.8	47
1956	Proteomics reveals distinct mechanisms regulating the release of cytokines and alarmins during pyroptosis. <i>Cell Reports</i> , 2021, 34, 108826.	2.9	33
1957	Metabolic remodeling of dystrophic skeletal muscle reveals biological roles for dystrophin and utrophin in adaptation and plasticity. <i>Molecular Metabolism</i> , 2021, 45, 101157.	3.0	22

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1960	Novel candidate factors predicting the effect of S-1 adjuvant chemotherapy of pancreatic cancer. <i>Scientific Reports</i> , 2021, 11, 6541.	1.6	1
1961	Ontogenic shifts in cellular fate are linked to proteotype changes in lineage-biased hematopoietic progenitor cells. <i>Cell Reports</i> , 2021, 34, 108894.	2.9	9
1962	PI3K γ Forms Distinct Multiprotein Complexes at the TCR Signalosome in Na γ ve and Differentiated CD4+ T Cells. <i>Frontiers in Immunology</i> , 2021, 12, 631271.	2.2	12
1963	Affinity enrichment and identification of inositol poly- and pyrophosphate interactomes. <i>STAR Protocols</i> , 2021, 2, 100277.	0.5	2
1964	Quantitative acetylome analysis reveals histone modifications that may predict prognosis in hepatitis B-related hepatocellular carcinoma. <i>Clinical and Translational Medicine</i> , 2021, 11, e313.	1.7	19
1965	Proteomics characterization of mitochondrial-derived vesicles under oxidative stress. <i>FASEB Journal</i> , 2021, 35, e21278.	0.2	36
1967	Functional proteomics protocol for the identification of interaction partners in <i>Tetrahymena thermophila</i> . <i>STAR Protocols</i> , 2021, 2, 100362.	0.5	3
1968	Distinct features of the Leishmania- α cap-binding protein LeishIF4E2 revealed by CRISPR-Cas9 mediated hemizygous deletion. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0008352.	1.3	8
1969	Quantitative proteomics identifies FOLR1 to drive sorafenib resistance via activating autophagy in hepatocellular carcinoma cells. <i>Carcinogenesis</i> , 2021, 42, 753-761.	1.3	7
1970	Influence of Proteome Profiles and Intracellular Drug Exposure on Differences in CYP Activity in Donor-Matched Human Liver Microsomes and Hepatocytes. <i>Molecular Pharmaceutics</i> , 2021, 18, 1792-1805.	2.3	9
1971	Proteomic profiling of human uterine extracellular vesicles reveal dynamic regulation of key players of embryo implantation and fertility during menstrual cycle. <i>Proteomics</i> , 2021, 21, e2000211.	1.3	37
1972	Bifunctional protein PCBD2 operates as a co-factor for hepatocyte nuclear factor 1 β and modulates gene transcription. <i>FASEB Journal</i> , 2021, 35, e21366.	0.2	1
1974	Label-Free Quantitative Proteomic Analysis of Nitrogen Starvation in Arabidopsis Root Reveals New Aspects of H2S Signaling by Protein Persulfidation. <i>Antioxidants</i> , 2021, 10, 508.	2.2	34
1975	Cigarette Smoke Triggers Loss of Corneal Endothelial Cells and Disruption of Descemet's Membrane Proteins in Mice. , 2021, 62, 3.		5
1977	Proteomics Landscape of Alzheimer's Disease. <i>Proteomes</i> , 2021, 9, 13.	1.7	7
1978	Proteomics analysis of adipose depots after intermittent fasting reveals visceral fat preservation mechanisms. <i>Cell Reports</i> , 2021, 34, 108804.	2.9	24
1979	Type III secretion system effectors form robust and flexible intracellular virulence networks. <i>Science</i> , 2021, 371, .	6.0	50

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1982	Sickle Cell Trait Modulates the Proteome and Phosphoproteome of Plasmodium falciparum-Infected Erythrocytes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 637604.	1.8	4
1984	Exercise rapidly alters proteomes in mice following spinal cord demyelination. <i>Scientific Reports</i> , 2021, 11, 7239.	1.6	15
1987	HDAC6 inhibition restores TDP ϵ 43 pathology and axonal transport defects in human motor neurons with <i>TARDBP</i> mutations. <i>EMBO Journal</i> , 2021, 40, e106177.	3.5	51
1988	Macrophage-specific responses to human- and animal-adapted <i>tubercle</i> bacilli reveal pathogen and host factors driving multinucleated cell formation. <i>PLoS Pathogens</i> , 2021, 17, e1009410.	2.1	19
1989	Genetic deletion of Nox4 enhances cancerogen-induced formation of solid tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
1990	Resistance to Pyrrolbenzodiazepine Dimers Is Associated with SLFN11 Downregulation and Can Be Reversed through Inhibition of ATR. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 541-552.	1.9	18
1991	Aggressiveness and Metastatic Potential of Breast Cancer Cells Co-Cultured with Preadipocytes and Exposed to an Environmental Pollutant Dioxin: An <i>in Vitro</i> and <i>in Vivo</i> Zebrafish Study. <i>Environmental Health Perspectives</i> , 2021, 129, 37002.	2.8	16
1992	Surface Proteomics Reveals CD72 as a Target for <i>In Vitro</i> Evolved Nanobody-Based CAR-T Cells in <i>KMT2A/MLL1</i> -Rearranged B-ALL. <i>Cancer Discovery</i> , 2021, 11, 2032-2049.	7.7	37
1993	Protocol for proteogenomic dissection of intronic splicing enhancer interactome for prediction of individualized cancer prognosis. <i>STAR Protocols</i> , 2021, 2, 100338.	0.5	1
1995	Toward Systematic Understanding of Flower Bud Induction in Apple: A Multi-Omics Approach. <i>Frontiers in Plant Science</i> , 2021, 12, 604810.	1.7	12
1996	Proteogenomics of glioblastoma associates molecular patterns with survival. <i>Cell Reports</i> , 2021, 34, 108787.	2.9	31
1998	Shaping Functional Avidity of CAR T Cells: Affinity, Avidity, and Antigen Density That Regulate Response. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 872-884.	1.9	26
1999	The TIM22 complex mediates the import of sideroflexins and is required for efficient mitochondrial one-carbon metabolism. <i>Molecular Biology of the Cell</i> , 2021, 32, 475-491.	0.9	19
2000	Systematically defining selective autophagy receptor-specific cargo using autophagosome content profiling. <i>Molecular Cell</i> , 2021, 81, 1337-1354.e8.	4.5	73
2004	PhyloQuant approach provides insights into <i>Trypanosoma cruzi</i> evolution using a systems-wide mass spectrometry-based quantitative protein profile. <i>Communications Biology</i> , 2021, 4, 324.	2.0	2
2007	The Constitutive Extracellular Protein Release by Acute Myeloid Leukemia Cells – A Proteomic Study of Patient Heterogeneity and Its Modulation by Mesenchymal Stromal Cells. <i>Cancers</i> , 2021, 13, 1509.	1.7	11
2008	Proteomics insights into the <i>Burkholderia cenocepacia</i> phosphorus stress response. <i>Environmental Microbiology</i> , 2021, 23, 5069-5086.	1.8	15

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2011	A Novel Ca ²⁺ Signaling Pathway Coordinates Environmental Phosphorus Sensing and Nitrogen Metabolism in Marine Diatoms. <i>Current Biology</i> , 2021, 31, 978-989.e4.	1.8	24
2012	Proteome dynamics at broken replication forks reveal a distinct ATM-directed repair response suppressing DNA double-strand break ubiquitination. <i>Molecular Cell</i> , 2021, 81, 1084-1099.e6.	4.5	57
2014	Unbiased proteomic profiling of host cell extracellular vesicle composition and dynamics upon HIV-1 infection. <i>EMBO Journal</i> , 2021, 40, e105492.	3.5	36
2015	Protective Effects of Cannabidiol on the Membrane Proteome of UVB-Irradiated Keratinocytes. <i>Antioxidants</i> , 2021, 10, 402.	2.2	19
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2018	NDUFS3 depletion permits complex I maturation and reveals TMEM126A/OPA7 as an assembly factor binding the ND4-module intermediate. <i>Cell Reports</i> , 2021, 35, 109002.	2.9	13
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2024	Elongation factor eEF2 kinase and autophagy jointly promote survival of cancer cells. <i>Biochemical Journal</i> , 2021, 478, 1547-1569.	1.7	1
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2035	Membrane-Enriched Proteomics Link Ribosome Accumulation and Proteome Reprogramming With Cold Acclimation in Barley Root Meristems. <i>Frontiers in Plant Science</i> , 2021, 12, 656683.	1.7	15
2036	Multilevel proteomics reveals host perturbations by SARS-CoV-2 and SARS-CoV. <i>Nature</i> , 2021, 594, 246-252.	13.7	475
2039	Comparative Proteomics Reveals the Anaerobic Lifestyle of Meat-Spoiling <i>Pseudomonas</i> Species. <i>Frontiers in Microbiology</i> , 2021, 12, 664061.	1.5	19
2040	N-Terminal Acetyltransferase Naa40p Whereabouts Put into N-Terminal Proteoform Perspective. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3690.	1.8	11
2041	Proteomic Studies of Primary Acute Myeloid Leukemia Cells Derived from Patients Before and during Disease-Stabilizing Treatment Based on All-Trans Retinoic Acid and Valproic Acid. <i>Cancers</i> , 2021, 13, 2143.	1.7	6
2042	Global phosphoproteomics reveals DYRK1A regulates CDK1 activity in glioblastoma cells. <i>Cell Death Discovery</i> , 2021, 7, 81.	2.0	31
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2045	mTORC1 and mTORC2 Converge on the Arp2/3 Complex to Promote KrasG12D-Induced Acinar-to-Ductal Metaplasia and Early Pancreatic Carcinogenesis. <i>Gastroenterology</i> , 2021, 160, 1755-1770.e17.	0.6	24
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2055	Coding and non-coding roles of MOCCI (C15ORF48) coordinate to regulate host inflammation and immunity. <i>Nature Communications</i> , 2021, 12, 2130.	5.8	56
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2058	Proteomic pipeline for biomarker hunting of defective bovine meat assisted by liquid chromatography-mass spectrometry analysis and chemometrics. <i>Journal of Proteomics</i> , 2021, 238, 104153.	1.2	14
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2063	RNA sequencing and proteomic profiling reveal different alterations by dietary methylmercury in the hippocampal transcriptome and proteome in BALB/c mice. <i>Metallomics</i> , 2021, 13, .	1.0	5
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2069	The OSMR Gene Is Involved in Hirschsprung Associated Enterocolitis Susceptibility through an Altered Downstream Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3831.	1.8	6
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2073	Subcellular proteomics. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	159
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2077	Proteome constraints reveal targets for improving microbial fitness in nutrient-rich environments. <i>Molecular Systems Biology</i> , 2021, 17, e10093.	3.2	46
2078	Quantitative proteome comparison of human hearts with those of model organisms. <i>PLoS Biology</i> , 2021, 19, e3001144.	2.6	23
2079	The Effects of Repeated Morphine Treatment on the Endogenous Cannabinoid System in the Ventral Tegmental Area. <i>Frontiers in Pharmacology</i> , 2021, 12, 632757.	1.6	8
2081	Anaerobic Microbial Metabolism of Dichloroacetate. <i>MBio</i> , 2021, 12, .	1.8	13
2082	Potential Role of Epithelial Endoplasmic Reticulum Stress and Anterior Gradient Protein 2 Homologue in Crohn's Disease Fibrosis. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 1737-1750.	0.6	16
2083	ProteoSushi: A Software Tool to Biologically Annotate and Quantify Modification-Specific, Peptide-Centric Proteomics Data Sets. <i>Journal of Proteome Research</i> , 2021, 20, 3621-3628.	1.8	6
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2091	Ultraviolet light-induced collagen degradation inhibits melanoma invasion. <i>Nature Communications</i> , 2021, 12, 2742.	5.8	25
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2097	Proteome reprogramming of endometrial epithelial cells by human trophectodermal small extracellular vesicles reveals key insights into embryo implantation. <i>Proteomics</i> , 2021, 21, e2000210.	1.3	18
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2108	Comparative proteomic analysis provides insight into the molecular mechanism of vegetative growth advantage in allotriploid <i>Populus</i> . <i>Genomics</i> , 2021, 113, 1180-1192.	1.3	3
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2114	A Randomized, Open-Label Trial of Hen's Egg Oral Immunotherapy: Efficacy and Humoral Immune Responses in 50 Children. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 1892-1901.e1.	2.0	30
2115	The Zinc Finger Antiviral Protein ZAP Restricts Human Cytomegalovirus and Selectively Binds and Destabilizes Viral <i>UL4</i> / <i>UL5</i> Transcripts. <i>MBio</i> , 2021, 12, .	1.8	33
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2126	Nox4-dependent upregulation of S100A4 after peripheral nerve injury modulates neuropathic pain processing. <i>Free Radical Biology and Medicine</i> , 2021, 168, 155-167.	1.3	9

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2129	Multi-Omics Model Applied to Cancer Genetics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5751.	1.8	19
2131	A highly conserved pocket on PP2A ^{B56} is required for hSgo1 binding and cohesion protection during mitosis. <i>EMBO Reports</i> , 2021, 22, e52295.	2.0	9
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2134	A data-independent acquisition-based global phosphoproteomics system enables deep profiling. <i>Nature Communications</i> , 2021, 12, 2539.	5.8	44
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