

On the Dependency of Cellular Protein Levels on mRNA

Cell

165, 535-550

DOI: [10.1016/j.cell.2016.03.014](https://doi.org/10.1016/j.cell.2016.03.014)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Differences in the skeletal muscle transcriptome profile associated with extreme values of fatty acids content. <i>BMC Genomics</i> , 2016, 17, 961.	1.2	54
2	Characterisation of the global transcriptional response to heat shock and the impact of individual genetic variation. <i>Genome Medicine</i> , 2016, 8, 87.	3.6	4
3	Absolute protein quantification of the yeast chaperome under conditions of heat shock. <i>Proteomics</i> , 2016, 16, 2128-2140.	1.3	18
4	Genome-wide map of RNA degradation kinetics patterns in dendritic cells after LPS stimulation facilitates identification of primary sequence and secondary structure motifs in mRNAs. <i>BMC Genomics</i> , 2016, 17, 1032.	1.2	15
5	Proteomics Research in Cardiovascular Medicine and Biomarker Discovery. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2819-2830.	1.2	64
6	Pervasive isoform-specific translational regulation via alternative transcription start sites in mammals. <i>Molecular Systems Biology</i> , 2016, 12, 875.	3.2	83
7	Quantifying gene expression: the importance of being subtle. <i>Molecular Systems Biology</i> , 2016, 12, 885.	3.2	29
8	Visualization of single endogenous polysomes reveals the dynamics of translation in live human cells. <i>Journal of Cell Biology</i> , 2016, 214, 769-781.	2.3	158
9	Elevated connexin 43 expression in arsenite-and cadmium-transformed human bladder cancer cells, tumor transplants and selected high grade human bladder cancers. <i>Experimental and Toxicologic Pathology</i> , 2016, 68, 479-491.	2.1	6
10	Integrative analysis of human omics data using biomolecular networks. <i>Molecular BioSystems</i> , 2016, 12, 2953-2964.	2.9	33
11	Multi-walled carbon nanotubes increase antibody-producing B cells in mice immunized with a tetravalent vaccine candidate for dengue virus. <i>Journal of Nanobiotechnology</i> , 2016, 14, 61.	4.2	13
12	Proteome complexity and the forces that drive proteome imbalance. <i>Nature</i> , 2016, 537, 328-338.	13.7	195
13	Mapping the Landscape of a Eukaryotic Degronome. <i>Molecular Cell</i> , 2016, 63, 1055-1065.	4.5	51
14	Model of the delayed translation of cyclin B maternal mRNA after sea urchin fertilization. <i>Molecular Reproduction and Development</i> , 2016, 83, 1070-1082.	1.0	4
15	Revealing the vectors of cellular identity with single-cell genomics. <i>Nature Biotechnology</i> , 2016, 34, 1145-1160.	9.4	534
16	Merging Absolute and Relative Quantitative PCR Data to Quantify STAT3 Splice Variant Transcripts. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
17	Contribution of Mass Spectrometry-Based Proteomics to the Understanding of TNF- α Signaling. <i>Journal of Proteome Research</i> , 2017, 16, 14-33.	1.8	11
18	Targeted proteomics driven verification of biomarker candidates associated with breast cancer aggressiveness. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 488-498.	1.1	19

#	ARTICLE	IF	CITATIONS
19	Integrative Proteomics and Phosphoproteomics Profiling Reveals Dynamic Signaling Networks and Bioenergetics Pathways Underlying T Cell Activation. <i>Immunity</i> , 2017, 46, 488-503.	6.6	265
20	Proteome and Secretome Analysis Reveals Differential Post-transcriptional Regulation of Toll-like Receptor Responses. <i>Molecular and Cellular Proteomics</i> , 2017, 16, S172-S186.	2.5	29
21	Quantitative Proteomics Analysis of Developmental Reprogramming in Protoplasts of the Moss <i>Physcomitrella patens</i> . <i>Plant and Cell Physiology</i> , 2017, 58, 946-961.	1.5	6
22	The Relationship between Alternative Splicing and Proteomic Complexity. <i>Trends in Biochemical Sciences</i> , 2017, 42, 407-408.	3.7	138
23	The landscape of BRAF transcript and protein variants in human cancer. <i>Molecular Cancer</i> , 2017, 16, 85.	7.9	22
24	On-demand dissolution of modular, synthetic extracellular matrix reveals local epithelial-stromal communication networks. <i>Biomaterials</i> , 2017, 130, 90-103.	5.7	83
25	Methods, Tools and Current Perspectives in Proteogenomics. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 959-981.	2.5	130
26	What have we learned on aging from omics studies?. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 177-189.	2.3	54
27	Leucine Biosynthesis Is Involved in Regulating High Lipid Accumulation in <i>Yarrowia lipolytica</i> . <i>MBio</i> , 2017, 8, .	1.8	38
28	Time-Resolved Proteomics Extends Ribosome Profiling-Based Measurements of Protein Synthesis Dynamics. <i>Cell Systems</i> , 2017, 4, 636-644.e9.	2.9	62
29	Shotgun Proteomics Analysis Discards Alkali Labile Phosphate as a Reliable Method To Assess Vitellogenin Levels in <i>Mytilus galloprovincialis</i> . <i>Environmental Science & Technology</i> , 2017, 51, 7572-7580.	4.6	17
30	Genetic diagnosis of Mendelian disorders via RNA sequencing. <i>Nature Communications</i> , 2017, 8, 15824.	5.8	432
31	The developmental proteome of <i>Drosophila melanogaster</i> . <i>Genome Research</i> , 2017, 27, 1273-1285.	2.4	135
32	Systems Biology of Metabolism. <i>Annual Review of Biochemistry</i> , 2017, 86, 245-275.	5.0	173
33	Global Analysis of Protein Expression of Inner Ear Hair Cells. <i>Journal of Neuroscience</i> , 2017, 37, 1320-1339.	1.7	55
34	Posttranscriptional Regulation in Adenovirus Infected Cells. <i>Journal of Proteome Research</i> , 2017, 16, 872-888.	1.8	20
35	Timing and localization of human dystrophin isoform expression provide insights into the cognitive phenotype of Duchenne muscular dystrophy. <i>Scientific Reports</i> , 2017, 7, 12575.	1.6	123
36	Multi-omics Comparative Analysis Reveals Multiple Layers of Host Signaling Pathway Regulation by the Gut Microbiota. <i>MSystems</i> , 2017, 2, .	1.7	19

#	ARTICLE	IF	CITATIONS
37	Systematic proteome and proteostasis profiling in human Trisomy 21 fibroblast cells. <i>Nature Communications</i> , 2017, 8, 1212.	5.8	112
38	diDO-IPTL: A Peptide-Labeling Strategy for Precision Quantitative Proteomics. <i>Analytical Chemistry</i> , 2017, 89, 11498-11504.	3.2	28
39	A Compendium of Co-regulated Protein Complexes in Breast Cancer Reveals Collateral Loss Events. <i>Cell Systems</i> , 2017, 5, 399-409.e5.	2.9	46
40	Pervasive coexpression of spatially proximal genes is buffered at the protein level. <i>Molecular Systems Biology</i> , 2017, 13, 937.	3.2	90
41	Genetic and Nongenetic Factors Associated with Protein Abundance of Flavin-Containing Monooxygenase 3 in Human Liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 363, 265-274.	1.3	43
42	Multiplexed quantification of proteins and transcripts in single cells. <i>Nature Biotechnology</i> , 2017, 35, 936-939.	9.4	684
43	A proteomic atlas of insulin signalling reveals tissue-specific mechanisms of longevity assurance. <i>Molecular Systems Biology</i> , 2017, 13, 939.	3.2	42
44	Learning from quantitative data to understand central carbon metabolism. <i>Biotechnology Advances</i> , 2017, 35, 971-980.	6.0	23
45	Functions of tissue-resident eosinophils. <i>Nature Reviews Immunology</i> , 2017, 17, 746-760.	10.6	376
46	Beyond Read-Counts: Ribo-seq Data Analysis to Understand the Functions of the Transcriptome. <i>Trends in Genetics</i> , 2017, 33, 728-744.	2.9	101
47	RNA search engines empower the bacterial intranet. <i>Biochemical Society Transactions</i> , 2017, 45, 987-997.	1.6	19
48	Associating transcription factors and conserved RNA structures with gene regulation in the human brain. <i>Scientific Reports</i> , 2017, 7, 5776.	1.6	12
49	Generation of ribosome imprinted polymers for sensitive detection of translational responses. <i>Scientific Reports</i> , 2017, 7, 6542.	1.6	6
50	Impact of Alternative Splicing on the Human Proteome. <i>Cell Reports</i> , 2017, 20, 1229-1241.	2.9	145
51	Systems Pharmacology Dissection of Cholesterol Regulation Reveals Determinants of Large Pharmacodynamic Variability between Cell Lines. <i>Cell Systems</i> , 2017, 5, 604-619.e7.	2.9	17
52	Intrinsic MYH7 expression regulation contributes to tissue level allelic imbalance in hypertrophic cardiomyopathy. <i>Journal of Muscle Research and Cell Motility</i> , 2017, 38, 291-302.	0.9	22
53	Tracking the Missing Footprints of Idle Ribosomes. <i>Cell Systems</i> , 2017, 4, 583-584.	2.9	2
54	Proteome Profiling Outperforms Transcriptome Profiling for Coexpression Based Gene Function Prediction. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 121-134.	2.5	111

#	ARTICLE	IF	CITATIONS
55	Using Big Data to Discover Diagnostics and Therapeutics for Gastrointestinal and Liver Diseases. <i>Gastroenterology</i> , 2017, 152, 53-67.e3.	0.6	61
56	Annexin A2 and alpha actinin 4 expression correlates with metastatic potential of primary endometrial cancer. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 846-857.	1.1	28
57	Can we predict protein from mRNA levels?. <i>Nature</i> , 2017, 547, E19-E20.	13.7	170
58	Network-Driven Proteogenomics Unveils an Aging-Related Imbalance in the Olfactory p65 Complex Functionality in Tg2576 Alzheimer's Disease Mouse Model. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2260.	1.8	15
59	Translational Rodent Models for Research on Parasitic Protozoa—A Review of Confounders and Possibilities. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 238.	1.8	33
60	Development of a tissue-specific ribosome profiling approach in <i>Drosophila</i> enables genome-wide evaluation of translational adaptations. <i>PLoS Genetics</i> , 2017, 13, e1007117.	1.5	56
61	Neural Stem Cell Activation and the Role of Protein Synthesis. <i>Brain Plasticity</i> , 2017, 3, 27-41.	1.9	30
62	Quantitating translational control: mRNA abundance-dependent and independent contributions and the mRNA sequences that specify them. <i>Nucleic Acids Research</i> , 2017, 45, 11821-11836.	6.5	28
63	Pervasive, Coordinated Protein-Level Changes Driven by Transcript Isoform Switching during Meiosis. <i>Cell</i> , 2018, 172, 910-923.e16.	13.5	129
64	Aberrant Iodine Autoregulation Induces Hypothyroidism in a Mouse Strain in the Absence of Thyroid Autoimmunity. <i>Journal of the Endocrine Society</i> , 2018, 2, 63-76.	0.1	9
65	Fluorescent analysis of bioactive molecules in single cells based on microfluidic chips. <i>Lab on A Chip</i> , 2018, 18, 1151-1173.	3.1	58
66	Photoperiodic control of the <i>Arabidopsis</i> proteome reveals a translational coincidence mechanism. <i>Molecular Systems Biology</i> , 2018, 14, e7962.	3.2	74
67	Advancing translational research and precision medicine with targeted proteomics. <i>Journal of Proteomics</i> , 2018, 189, 1-10.	1.2	72
68	Expression and Functions of Formyl Peptide Receptor 1 in Drug-Resistant Bladder Cancer. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303461876941.	0.8	7
69	Modulation of Protein-Interaction States through the Cell Cycle. <i>Cell</i> , 2018, 173, 1481-1494.e13.	13.5	116
70	Multi-omics analysis of thermal stress response in a zooxanthellate cnidarian reveals the importance of associating with thermotolerant symbionts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172654.	1.2	61
72	Altered gene expression in tree shrew retina and retinal pigment epithelium produced by short periods of minus-lens wear. <i>Experimental Eye Research</i> , 2018, 168, 77-88.	1.2	26
73	Characterization of the Glucagonlike Peptide-1 Receptor in Male Mouse Brain Using a Novel Antibody and In Situ Hybridization. <i>Endocrinology</i> , 2018, 159, 665-675.	1.4	90

#	ARTICLE	IF	CITATIONS
74	A single-cell analysis reveals multiple roles of oligodendroglial lineage cells during post-ischemic regeneration. <i>Glia</i> , 2018, 66, 1068-1081.	2.5	17
75	Polysome-profiling in small tissue samples. <i>Nucleic Acids Research</i> , 2018, 46, e3-e3.	6.5	53
76	Brain Transcriptome Databases: A User's Guide. <i>Journal of Neuroscience</i> , 2018, 38, 2399-2412.	1.7	68
77	Imaging mRNA In Vivo, from Birth to Death. <i>Annual Review of Biophysics</i> , 2018, 47, 85-106.	4.5	106
78	Simultaneous Multiplexed Imaging of mRNA and Proteins with Subcellular Resolution in Breast Cancer Tissue Samples by Mass Cytometry. <i>Cell Systems</i> , 2018, 6, 25-36.e5.	2.9	214
79	Deciphering Multifactorial Resistance Phenotypes in <i>Acinetobacter baumannii</i> by Genomics and Targeted Label-free Proteomics. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 442-456.	2.5	29
80	Integrated omics dissection of proteome dynamics during cardiac remodeling. <i>Nature Communications</i> , 2018, 9, 120.	5.8	64
82	Identification of stress responsive genes by studying specific relationships between mRNA and protein abundance. <i>Heliyon</i> , 2018, 4, e00558.	1.4	7
83	Heterogeneity and specialized functions of translation machinery: from genes to organisms. <i>Nature Reviews Genetics</i> , 2018, 19, 431-452.	7.7	181
84	Credentialing Individual Samples for Proteogenomic Analysis. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1515-1530.	2.5	5
85	Longissimus dorsi muscle label-free quantitative proteomic reveals biological mechanisms associated with intramuscular fat deposition. <i>Journal of Proteomics</i> , 2018, 179, 30-41.	1.2	53
86	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. <i>Kidney International</i> , 2018, 93, 1308-1319.	2.6	49
87	Quantitative Characterization of Bivalent Probes for a Dual Bromodomain Protein, Transcription Initiation Factor TFIID Subunit 1. <i>Biochemistry</i> , 2018, 57, 2140-2149.	1.2	16
88	Integrative proteomics in prostate cancer uncovers robustness against genomic and transcriptomic aberrations during disease progression. <i>Nature Communications</i> , 2018, 9, 1176.	5.8	117
89	A novel nano-immunoassay method for quantification of proteins from CD138-purified myeloma cells: biological and clinical utility. <i>Haematologica</i> , 2018, 103, 880-889.	1.7	12
90	<i>Drosophila</i> tsRNAs preferentially suppress general translation machinery via antisense pairing and participate in cellular starvation response. <i>Nucleic Acids Research</i> , 2018, 46, 5250-5268.	6.5	93
91	A plea for appraisal and appreciation of immunohistochemistry in the assessment of prognostic and predictive markers in invasive breast cancer. <i>Breast</i> , 2018, 37, 52-55.	0.9	10
92	CeFra-seq reveals broad asymmetric mRNA and noncoding RNA distribution profiles in <i>Drosophila</i> and human cells. <i>Rna</i> , 2018, 24, 98-113.	1.6	75

#	ARTICLE	IF	CITATIONS
93	TRPM5 in the battle against diabetes and obesity. <i>Acta Physiologica</i> , 2018, 222, e12949.	1.8	38
94	Using Public Data for Comparative Proteome Analysis in Precision Medicine Programs. <i>Proteomics - Clinical Applications</i> , 2018, 12, 1600179.	0.8	2
95	Sodium butyrate abolishes lipopolysaccharide-induced depression-like behaviors and hippocampal microglial activation in mice. <i>Brain Research</i> , 2018, 1680, 13-38.	1.1	142
96	Cross-platform single cell analysis of kidney development shows stromal cells express Gdnf. <i>Developmental Biology</i> , 2018, 434, 36-47.	0.9	88
97	Environmental and genetic determinants of transcriptional plasticity in Chinook salmon. <i>Heredity</i> , 2018, 120, 38-50.	1.2	9
98	Transcriptomic, Proteomic, and Functional Long-Term Characterization of Multicellular Three-Dimensional Human Liver Microtissues. <i>Applied in Vitro Toxicology</i> , 2018, 4, 1-12.	0.6	46
99	Specialized ribosomes and specific ribosomal protein paralogs control translation of mitochondrial proteins. <i>Journal of Cell Biology</i> , 2018, 217, 117-126.	2.3	82
100	Involvement of clip-domain serine protease in the anti-Vibrio immune response of abalone (<i>Haliotis</i>). <i>Immunology</i> , 2018, 72, 210-219.	1.6	8
101	Computational approaches for the systematic analysis of aging-associated molecular alterations. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 51-59.	1.2	1
102	Roles of mitochondria in neuronal development. <i>BMB Reports</i> , 2018, 51, 549-556.	1.1	63
103	A concert of RNA-binding proteins coordinates mitochondrial function. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018, 53, 652-666.	2.3	25
104	Sox9 regulates cell state and activity of embryonic mouse mammary progenitor cells. <i>Communications Biology</i> , 2018, 1, 228.	2.0	13
105	Complementing preclinical safety assessments through genomic analyses. <i>Current Opinion in Toxicology</i> , 2018, 11-12, 59-66.	2.6	0
106	Pax6 Lengthens G1 Phase and Decreases Oscillating Cdk6 Levels in Murine Embryonic Cortical Progenitors. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 419.	1.8	11
107	Comparison of intestinal expression of the apical sodium-dependent bile acid transporter between dogs with and without chronic inflammatory enteropathy. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1918-1926.	0.6	53
108	Proteomics goes parallel. <i>Nature Biotechnology</i> , 2018, 36, 1051-1053.	9.4	11
109	Dll4-Notch1 signaling but not VEGF-A is essential for hyperoxia induced vessel regression in retina. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 400-406.	1.0	6
110	ADIPOR1 is essential for vision and its RPE expression is lost in the <i>Mfrprd6</i> mouse. <i>Scientific Reports</i> , 2018, 8, 14339.	1.6	32

#	ARTICLE	IF	CITATIONS
111	Quantifying post-transcriptional regulation in the development of <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2018, 9, 4970.	5.8	63
112	Spatio-temporal expression profile of matrix metalloproteinase (Mmp) modulators Reck and Sparc during the rat ovarian dynamics. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 116.	1.4	12
113	Ribosomal flavours: an acquired taste for specific mRNAs?. <i>Biochemical Society Transactions</i> , 2018, 46, 1529-1539.	1.6	8
114	â€œFragileâ€ equilibrium between translation and transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12086-12088.	3.3	3
115	Multi-experiment nonlinear mixed effect modeling of single-cell translation kinetics after transfection. <i>Npj Systems Biology and Applications</i> , 2018, 4, 1.	1.4	66
116	Cell-Type-Specific Proteomics: A Neuroscience Perspective. <i>Proteomes</i> , 2018, 6, 51.	1.7	29
117	A lethal fungal pathogen directly alters tight junction proteins in the skin of a susceptible amphibian. <i>Journal of Experimental Biology</i> , 2018, 222, .	0.8	6
118	Phoenixin Expression Is Regulated by the Fatty Acids Palmitate, Docosahexaenoic Acid and Oleate, and the Endocrine Disrupting Chemical Bisphenol A in Immortalized Hypothalamic Neurons. <i>Frontiers in Neuroscience</i> , 2018, 12, 838.	1.4	26
119	The codon sequences predict protein lifetimes and other parameters of the protein life cycle in the mouse brain. <i>Scientific Reports</i> , 2018, 8, 16913.	1.6	17
120	Defined Small Molecules Produced by Himalayan Medicinal Plants Display Immunomodulatory Properties. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3490.	1.8	19
121	Deciphering the Role of the Non-Coding Genome in Regulating Gene-Diet Interactions. <i>Nutrients</i> , 2018, 10, 1831.	1.7	2
122	Integrated Proteomic and Transcriptomic Analysis of Differential Expression of Chicken Lung Tissue in Response to NDV Infection during Heat Stress. <i>Genes</i> , 2018, 9, 579.	1.0	24
123	Time-resolved proteomics of adenovirus infected cells. <i>PLoS ONE</i> , 2018, 13, e0204522.	1.1	18
124	Eleven percent intact PGM3 in a severely immunodeficient patient with a novel splice-site mutation, a case report. <i>BMC Pediatrics</i> , 2018, 18, 285.	0.7	10
125	Biosynthetic energy cost for amino acids decreases in cancer evolution. <i>Nature Communications</i> , 2018, 9, 4124.	5.8	27
126	Comparison of two different media for maturation rate of neural progenitor cells to neuronal and glial cells emphasizing on expression of neurotrophins and their respective receptors. <i>Molecular Biology Reports</i> , 2018, 45, 2377-2391.	1.0	2
127	Proteogenomics of Adenosine-to-Inosine RNA Editing in the Fruit Fly. <i>Journal of Proteome Research</i> , 2018, 17, 3889-3903.	1.8	16
128	Enhanced validation of antibodies for research applications. <i>Nature Communications</i> , 2018, 9, 4130.	5.8	76

#	ARTICLE	IF	CITATIONS
129	Multivariate Control of Transcript to Protein Variability in Single Mammalian Cells. <i>Cell Systems</i> , 2018, 7, 398-411.e6.	2.9	24
130	Palmitate Induces an Anti-Inflammatory Response in Immortalized Microglial BV-2 and IMG Cell Lines that Decreases TNF α Levels in mHypoE-46 Hypothalamic Neurons in Co-Culture. <i>Neuroendocrinology</i> , 2018, 107, 387-399.	1.2	20
131	Xanthine oxidase is hyper-active in Duchenne muscular dystrophy. <i>Free Radical Biology and Medicine</i> , 2018, 129, 364-371.	1.3	22
132	Integrating “omics data into genome-scale metabolic network models: principles and challenges. <i>Essays in Biochemistry</i> , 2018, 62, 563-574.	2.1	40
133	Micro-Nanofibrillar Polycaprolactone Scaffolds as Translatable Osteoconductive Grafts for the Treatment of Musculoskeletal Defects without Infection. <i>ACS Applied Bio Materials</i> , 2018, 1, 1566-1578.	2.3	5
134	Transcriptome and Proteome of Fish-Pathogenic <i>Streptococcus agalactiae</i> Are Modulated by Temperature. <i>Frontiers in Microbiology</i> , 2018, 9, 2639.	1.5	21
135	Highly parallel single-molecule identification of proteins in zeptomole-scale mixtures. <i>Nature Biotechnology</i> , 2018, 36, 1076-1082.	9.4	151
136	Insights into respiratory disease through bioinformatics. <i>Respirology</i> , 2018, 23, 1117-1126.	1.3	19
137	Translation acrobatics: how cancer cells exploit alternate modes of translational initiation. <i>EMBO Reports</i> , 2018, 19, .	2.0	73
138	From Molecules to Mechanisms: Functional Proteomics and Its Application to Renal Tubule Physiology. <i>Physiological Reviews</i> , 2018, 98, 2571-2606.	13.1	27
139	Class I histone deacetylases in retinal progenitors and differentiating ganglion cells. <i>Gene Expression Patterns</i> , 2018, 30, 37-48.	0.3	7
140	Proteome Profiling of Primary Pancreatic Ductal Adenocarcinomas Undergoing Additive Chemoradiation Link ALDH1A1 to Early Local Recurrence and Chemoradiation Resistance. <i>Translational Oncology</i> , 2018, 11, 1307-1322.	1.7	19
141	Is Autogenous Posttranscriptional Gene Regulation Common?. <i>RNA Technologies</i> , 2018, , 217-227.	0.2	0
143	Region-Resolved Quantitative Proteome Profiling Reveals Molecular Dynamics Associated With Chronic Pain in the PNS and Spinal Cord. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 259.	1.4	16
144	Genetic ablation of interacting with Spt6 (Iws1) causes early embryonic lethality. <i>PLoS ONE</i> , 2018, 13, e0201030.	1.1	9
145	Relaxin protects cardiomyocytes against hypoxia-induced damage in in-vitro conditions: Involvement of Nrf2/HO-1 signaling pathway. <i>Life Sciences</i> , 2018, 213, 25-31.	2.0	24
146	GPD1 and ADH3 Natural Variants Underlie Glycerol Yield Differences in Wine Fermentation. <i>Frontiers in Microbiology</i> , 2018, 9, 1460.	1.5	31
147	Patterning factors during neural progenitor induction determine regional identity and differentiation potential in vitro. <i>Stem Cell Research</i> , 2018, 32, 25-34.	0.3	28

#	ARTICLE	IF	CITATIONS
148	Multi-omic molecular profiling of lung cancer in COPD. <i>European Respiratory Journal</i> , 2018, 52, 1702665.	3.1	25
149	A Multi-layered Quantitative In Vivo Expression Atlas of the Podocyte Unravels Kidney Disease Candidate Genes. <i>Cell Reports</i> , 2018, 23, 2495-2508.	2.9	81
150	Combining laser capture microdissection and proteomics reveals an active translation machinery controlling invadosome formation. <i>Nature Communications</i> , 2018, 9, 2031.	5.8	43
151	Human Leukocyte Antigen F Locus Adjacent Transcript 10 Overexpression Disturbs WISP1 Protein and mRNA Expression to Promote Hepatocellular Carcinoma Progression. <i>Hepatology</i> , 2018, 68, 2268-2284.	3.6	29
152	The evolution of posttranscriptional regulation. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1485.	3.2	45
153	Quantifying and Localizing the Mitochondrial Proteome Across Five Tissues in A Mouse Population. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1766-1777.	2.5	50
154	Perspectives on the basic and applied aspects of crassulacean acid metabolism (CAM) research. <i>Plant Science</i> , 2018, 274, 394-401.	1.7	18
155	Humanin analog enhances the protective effect of dexrazoxane against doxorubicin-induced cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H634-H643.	1.5	30
156	Transgelin-2 is a novel target of KRAS-ERK signaling involved in the development of pancreatic cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 166.	3.5	11
157	Toward mapping the human body at a cellular resolution. <i>Molecular Biology of the Cell</i> , 2018, 29, 1779-1785.	0.9	11
158	Quantitative evolutionary proteomics of seminal fluid from primates with different mating systems. <i>BMC Genomics</i> , 2018, 19, 488.	1.2	8
159	Neuropilin-1 expression is associated with lymph node metastasis in breast cancer tissues. <i>Cancer Management and Research</i> , 2018, Volume 10, 1969-1974.	0.9	19
160	RANBP9 affects cancer cells response to genotoxic stress and its overexpression is associated with worse response to platinum in NSCLC patients. <i>Oncogene</i> , 2018, 37, 6463-6476.	2.6	15
161	G Protein-Coupled Receptors As Regulators of Localized Translation: The Forgotten Pathway?. <i>Frontiers in Endocrinology</i> , 2018, 9, 17.	1.5	4
162	Correlation Analyses Reveal a Limited Role of Transcription in Genome-Wide Differential MicroRNA Expression in Mammals. <i>Frontiers in Genetics</i> , 2018, 9, 154.	1.1	1
163	Acute Noise Exposure Is Associated With Intrinsic Apoptosis in Murine Central Auditory Pathway. <i>Frontiers in Neuroscience</i> , 2018, 12, 312.	1.4	13
164	Whole genome sequencing identifies a de novo 2.1 Mb balanced paracentric inversion disrupting FOXP1 and leading to severe intellectual disability. <i>Clinica Chimica Acta</i> , 2018, 485, 218-223.	0.5	8
165	Comparative Membrane-Associated Proteomics of Three Different Immune Reactions in Potato. <i>International Journal of Molecular Sciences</i> , 2018, 19, 538.	1.8	11

#	ARTICLE	IF	CITATIONS
166	The Protective Effects of a Synthetic Geranyl Acetophenone in a Cellular Model of TNF- α -Induced Pulmonary Epithelial Barrier Dysfunction. <i>Molecules</i> , 2018, 23, 1355.	1.7	17
167	<i>Mycobacterium tuberculosis</i> H37Rv expresses differential proteome during intracellular survival within alveolar epithelial cells compared with macrophages. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	2
168	Altered circadian rhythms and oscillation of clock genes and sirtuin 1 in a model of sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2018, 59, 1527-1539.	2.6	32
169	Single cell transcriptome profiling of retinal ganglion cells identifies cellular subtypes. <i>Nature Communications</i> , 2018, 9, 2759.	5.8	355
170	Genetic ablation of tau improves mitochondrial function and cognitive abilities in the hippocampus. <i>Redox Biology</i> , 2018, 18, 279-294.	3.9	60
171	Suitability of Yin Yang 1 transcript and protein levels for biomarker studies in B cell non-Hodgkin lymphoma. <i>Biomarker Research</i> , 2018, 6, 11.	2.8	6
172	Therapeutic opportunities for pain medicines via targeting of specific translation signaling mechanisms. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2018, 4, 8-19.	1.0	17
173	Time-resolved transcriptome and proteome landscape of human regulatory T cell (Treg) differentiation reveals novel regulators of FOXP3. <i>BMC Biology</i> , 2018, 16, 47.	1.7	23
174	Fc gamma receptors are expressed in the developing rat brain and activate downstream signaling molecules upon cross-linking with immune complex. <i>Journal of Neuroinflammation</i> , 2018, 15, 7.	3.1	20
175	Protein half-life determines expression of proteostatic networks in podocyte differentiation. <i>FASEB Journal</i> , 2018, 32, 4696-4713.	0.2	15
176	Reduced MEK inhibition preserves genomic stability in naive human embryonic stem cells. <i>Nature Methods</i> , 2018, 15, 732-740.	9.0	74
177	Proteomic distinction of renal oncocytomas and chromophobe renal cell carcinomas. <i>Clinical Proteomics</i> , 2018, 15, 25.	1.1	8
178	Expression analysis of GRIN2B, BDNF, and IL-1 β genes in the whole blood of epileptic patients. <i>Neurological Sciences</i> , 2018, 39, 1945-1953.	0.9	7
179	Perspective on the Application of Microphysiological Systems to Drug Transporter Studies. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1647-1657.	1.7	15
180	Modeling Corticosteroid Pharmacogenomics and Proteomics in Rat Liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 168-183.	1.3	10
181	A specific amino acid formula prevents alcoholic liver disease in rodents. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G566-G582.	1.6	33
182	Upregulation of PD-L1 expression by resveratrol and piceatannol in breast and colorectal cancer cells occurs via HDAC3/p300-mediated NF- κ B signaling. <i>International Journal of Oncology</i> , 2018, 53, 1469-1480.	1.4	63
183	Moonshot Objectives: Catalyze New Scientific Breakthroughs” Proteogenomics. <i>Cancer Journal (Sudbury, Mass)</i> , 2018, 24, 121-125.	1.0	7

#	ARTICLE	IF	CITATIONS
184	Human cytomegalovirus replication induces endothelial cell interleukin-11. <i>Cytokine</i> , 2018, 111, 563-566.	1.4	11
185	Quantitative proteome profile of water deficit stress responses in eastern cottonwood (<i>Populus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 17	1.1	17
186	Alternative assembly of respiratory complex II connects energy stress to metabolic checkpoints. <i>Nature Communications</i> , 2018, 9, 2221.	5.8	44
187	Resveratrol Modulates and Reverses the Age-Related Effect on Adenosine-Mediated Signalling in SAMP8 Mice. <i>Molecular Neurobiology</i> , 2019, 56, 2881-2895.	1.9	18
188	Molecular tools to elucidate factors regulating alcohol use. <i>Alcohol</i> , 2019, 74, 3-9.	0.8	2
189	Expression of <i>Macrobrachium rosenbergii</i> lipopolysaccharide- and β -1,3-glucan-binding protein (LGBP) in <i>Saccharomyces cerevisiae</i> and evaluation of its immune function. <i>Fish and Shellfish Immunology</i> , 2019, 84, 341-351.	1.6	10
190	A proteomic insight into the MSP1 and flg22 induced signaling in <i>Oryza sativa</i> leaves. <i>Journal of Proteomics</i> , 2019, 196, 120-130.	1.2	31
191	RNA Structure and Cellular Applications of Fluorescent Light-Responsive Aptamers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1266-1279.	7.2	84
192	Translational Control during Developmental Transitions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032987.	2.3	60
193	Deep multiomics profiling of brain tumors identifies signaling networks downstream of cancer driver genes. <i>Nature Communications</i> , 2019, 10, 3718.	5.8	42
194	Ultra-sensitive digital quantification of proteins and mRNA in single cells. <i>Nature Communications</i> , 2019, 10, 3544.	5.8	44
195	Nascent RNA analyses: tracking transcription and its regulation. <i>Nature Reviews Genetics</i> , 2019, 20, 705-723.	7.7	177
196	A dream of single-cell proteomics. <i>Nature Methods</i> , 2019, 16, 809-812.	9.0	197
197	Maternal Overfeeding during Lactation Impairs the Metabolic Response to Fed/Fasting Changing Conditions in the Postweaning Offspring. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900504.	1.5	5
198	The prokineticin receptor antagonist PC1 rescues memory impairment induced by β 2 amyloid administration through the modulation of prokineticin system. <i>Neuropharmacology</i> , 2019, 158, 107739.	2.0	18
199	Programmable RNA manipulation in living cells. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4861-4867.	2.4	10
200	Maternal omega-3 fatty acids and vitamin E improve placental angiogenesis in late-onset but not early-onset preeclampsia. <i>Molecular and Cellular Biochemistry</i> , 2019, 461, 159-170.	1.4	13
201	Glutamine Metabolism Drives Growth in Advanced Hormone Receptor Positive Breast Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 686.	1.3	41

#	ARTICLE	IF	CITATIONS
202	Early-Onset Molecular Derangements in the Olfactory Bulb of Tg2576 Mice: Novel Insights Into the Stress-Responsive Olfactory Kinase Dynamics in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 141.	1.7	12
203	Purification and characterization of <i>Terfezia clavervyi</i> TcCAT-1, a desert truffle catalase upregulated in mycorrhizal symbiosis. <i>PLoS ONE</i> , 2019, 14, e0219300.	1.1	8
204	Surface PEGylation suppresses pulmonary effects of CuO in allergen-induced lung inflammation. <i>Particle and Fibre Toxicology</i> , 2019, 16, 28.	2.8	26
205	New Insights on the Role of the pLMST6 Plasmid in <i>Listeria monocytogenes</i> Biocide Tolerance and Virulence. <i>Frontiers in Microbiology</i> , 2019, 10, 1538.	1.5	36
206	Repurposing of Trilast for Potential Neuropathic Pain Treatment by Inhibition of Sepiapterin Reductase in the BH ₄ Pathway. <i>ACS Omega</i> , 2019, 4, 11960-11972.	1.6	15
207	Differential responses of epithelial cells from urinary and biliary tract to eggs of <i>Schistosoma haematobium</i> and <i>S. mansoni</i> . <i>Scientific Reports</i> , 2019, 9, 10731.	1.6	11
208	Tumor- and cytokine-primed human natural killer cells exhibit distinct phenotypic and transcriptional signatures. <i>PLoS ONE</i> , 2019, 14, e0218674.	1.1	29
209	Differences between Dorsal Root and Trigeminal Ganglion Nociceptors in Mice Revealed by Translational Profiling. <i>Journal of Neuroscience</i> , 2019, 39, 6829-6847.	1.7	66
210	Quantitative proteomics and single-nucleus transcriptomics of the sinus node elucidates the foundation of cardiac pacemaking. <i>Nature Communications</i> , 2019, 10, 2889.	5.8	84
211	Graphene-based materials do not impair physiology, gene expression and growth dynamics of the aeroterrestrial microalga <i>Trebouxia gelatinosa</i> . <i>Nanotoxicology</i> , 2019, 13, 492-509.	1.6	12
212	Mice lacking membrane estrogen receptor 1 are protected from reproductive pathologies resulting from developmental estrogen exposure. <i>Biology of Reproduction</i> , 2019, 101, 392-404.	1.2	11
213	Secretory Expression Fine-Tuning and Directed Evolution of Diacetylchitobiose Deacetylase by <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	21
214	Exploring single cells in space and time during tissue development, homeostasis and regeneration. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	51
215	E3 ubiquitin ligases LNX1 and LNX2 are major regulators of the presynaptic glycine transporter GlyT2. <i>Scientific Reports</i> , 2019, 9, 14944.	1.6	10
216	Big data in yeast systems biology. <i>FEMS Yeast Research</i> , 2019, 19, .	1.1	15
217	Data Integration in Poplar: Omics Layers and Integration Strategies. <i>Frontiers in Genetics</i> , 2019, 10, 874.	1.1	15
218	Inter-individual physiological variation in responses to environmental variation and environmental change: Integrating across traits and time. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 238, 110577.	0.8	18
219	Translational offsetting as a mode of estrogen receptor-dependent regulation of gene expression. <i>EMBO Journal</i> , 2019, 38, e101323.	3.5	33

#	ARTICLE	IF	CITATIONS
220	Dysregulation of neuron differentiation in an autistic savant with exceptional memory. <i>Molecular Brain</i> , 2019, 12, 91.	1.3	10
221	Transcriptome profiling reveals exposure to predicted end-of-century ocean acidification as a stealth stressor for Atlantic cod larvae. <i>Scientific Reports</i> , 2019, 9, 16908.	1.6	7
222	Fine-Tuning the Expression of Duplicate Genes by Translational Regulation in Arabidopsis and Maize. <i>Frontiers in Plant Science</i> , 2019, 10, 534.	1.7	8
223	Systems genetics applications in metabolism research. <i>Nature Metabolism</i> , 2019, 1, 1038-1050.	5.1	35
224	Proteomic analysis showing the signaling pathways involved in the rhizome enlargement process in <i>Nelumbo nucifera</i> . <i>BMC Genomics</i> , 2019, 20, 766.	1.2	18
225	Are ENT1/ENT1, NOTCH3, and miR-21 Reliable Prognostic Biomarkers in Patients with Resected Pancreatic Adenocarcinoma Treated with Adjuvant Gemcitabine Monotherapy?. <i>Cancers</i> , 2019, 11, 1621.	1.7	5
226	Translatomics: The Global View of Translation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 212.	1.8	62
227	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
228	ShadowR: a novel chromoprotein with reduced non-specific binding and improved expression in living cells. <i>Scientific Reports</i> , 2019, 9, 12072.	1.6	8
229	High-Throughput Single Cell Proteomics Enabled by Multiplex Isobaric Labeling in a Nanodroplet Sample Preparation Platform. <i>Analytical Chemistry</i> , 2019, 91, 13119-13127.	3.2	156
230	Of Gene Expression and Cell Division Time: A Mathematical Framework for Advanced Differential Gene Expression and Data Analysis. <i>Cell Systems</i> , 2019, 9, 569-579.e7.	2.9	10
231	Antidepressant-like effect induced by P2X7 receptor blockade in FSL rats is associated with BDNF signalling activation. <i>Journal of Psychopharmacology</i> , 2019, 33, 1436-1446.	2.0	26
232	Chromosome-wide co-fluctuation of stochastic gene expression in mammalian cells. <i>PLoS Genetics</i> , 2019, 15, e1008389.	1.5	20
233	Resolving Chemical Modifications to a Single Amino Acid within a Peptide Using a Biological Nanopore. <i>ACS Nano</i> , 2019, 13, 13668-13676.	7.3	76
234	Identification of β -catenin target genes in colorectal cancer by interrogating gene fitness screening data. <i>Oncology Letters</i> , 2019, 18, 3769-3777.	0.8	5
235	Microglial Pro-Inflammatory and Anti-Inflammatory Phenotypes Are Modulated by Translocator Protein Activation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4467.	1.8	54
236	microRNA-92a regulates the expression of aphid bacteriocyte-specific secreted protein 1. <i>BMC Research Notes</i> , 2019, 12, 638.	0.6	7
237	Xylose utilization stimulates mitochondrial production of isobutanol and 2-methyl-1-butanol in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 223.	6.2	38

#	ARTICLE	IF	CITATIONS
238	Sample Preservation and Storage Significantly Impact Taxonomic and Functional Profiles in Metaproteomics Studies of the Human Gut Microbiome. <i>Microorganisms</i> , 2019, 7, 367.	1.6	32
239	Glutamate, GABA, and Presynaptic Markers Involved in Neurotransmission Are Differently Affected by Age in Distinct Mouse Brain Regions. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4449-4461.	1.7	9
240	A tunable dual-input system for on-demand dynamic gene expression regulation. <i>Nature Communications</i> , 2019, 10, 4481.	5.8	33
241	A Quantitative Multivariate Model of Human Dendritic Cell-T Helper Cell Communication. <i>Cell</i> , 2019, 179, 432-447.e21.	13.5	23
242	An Unbiased Proteomics Method to Assess the Maturation of Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Circulation Research</i> , 2019, 125, 936-953.	2.0	59
243	Neuroprotective effects of glucomoringin-isothiocyanate against H ₂ O ₂ -Induced cytotoxicity in neuroblastoma (SH-SY5Y) cells. <i>NeuroToxicology</i> , 2019, 75, 89-104.	1.4	16
244	Fabrication of Furan-Functionalized Quinazoline Hybrids: Their Antibacterial Evaluation, Quantitative Proteomics, and Induced Phytopathogen Morphological Variation Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11005-11017.	2.4	29
245	Translating neural stem cells to neurons in the mammalian brain. <i>Cell Death and Differentiation</i> , 2019, 26, 2495-2512.	5.0	38
246	Multi-omic and physiologic approach to understand <i>Lotus japonicus</i> response upon exposure to 3,4 dimethylpyrazole phosphate nitrification inhibitor. <i>Science of the Total Environment</i> , 2019, 660, 1201-1209.	3.9	5
247	Proteomics: A tool to decipher cold tolerance. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 183-213.	1.1	12
248	Membrane androgen receptors (OXER1, GPRC6A AND ZIP9) in prostate and breast cancer: A comparative study of their expression. <i>Steroids</i> , 2019, 142, 100-108.	0.8	33
249	Poor transcript-protein correlation in the brain: negatively correlating gene products reveal neuronal polarity as a potential cause. <i>Journal of Neurochemistry</i> , 2019, 149, 582-604.	2.1	41
250	Analysis of the <i>S.Âpombe</i> Meiotic Proteome Reveals a Switch from Anabolic to Catabolic Processes and Extensive Post-transcriptional Regulation. <i>Cell Reports</i> , 2019, 26, 1044-1058.e5.	2.9	6
251	Discrepancies of Notch 1 receptor during development of chronic seizures. <i>Journal of Cellular Physiology</i> , 2019, 234, 13773-13780.	2.0	5
252	Proteome-wide onco-proteogenomic somatic variant identification in ER-positive breast cancer. <i>Clinical Biochemistry</i> , 2019, 66, 63-75.	0.8	3
253	Exploiting Molecular Barcodes in High-Throughput Cellular Assays. <i>SLAS Technology</i> , 2019, 24, 298-307.	1.0	6
254	Translational Control in Stem Cells. <i>Frontiers in Genetics</i> , 2018, 9, 709.	1.1	65
255	Molecular Engineering of the TGF-Î² Signaling Pathway. <i>Journal of Molecular Biology</i> , 2019, 431, 2644-2654.	2.0	31

#	ARTICLE	IF	CITATIONS
256	Variable protein homeostasis in housekeeping and non-housekeeping pathways under mycotoxins stress. <i>Scientific Reports</i> , 2019, 9, 7819.	1.6	7
257	Exploiting Interdata Relationships in Next-generation Proteomics Analysis. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S5-S14.	2.5	39
258	Ascorbate modulates the hypoxic pathway by increasing intracellular activity of the HIF hydroxylases in renal cell carcinoma cells. <i>Hypoxia (Auckland, N Z)</i> , 2019, Volume 7, 17-31.	1.9	24
259	KLF4 protein stability regulated by interaction with pluripotency transcription factors overrides transcriptional control. <i>Genes and Development</i> , 2019, 33, 1069-1082.	2.7	29
260	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. <i>Molecular Metabolism</i> , 2019, 26, 30-44.	3.0	26
261	Early-Life Iron Deficiency Alters Glucose Transporter-1 Expression in the Adult Rodent Hippocampus. <i>Journal of Nutrition</i> , 2019, 149, 1660-1666.	1.3	9
262	Integrative Analysis of Transcriptomic and Proteomic Profiling in Inflammatory Bowel Disease Colon Biopsies. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 1906-1918.	0.9	22
263	One minute analysis of 200 histone posttranslational modifications by direct injection mass spectrometry. <i>Genome Research</i> , 2019, 29, 978-987.	2.4	37
264	Abundance of bacterial Type VI secretion system components measured by targeted proteomics. <i>Nature Communications</i> , 2019, 10, 2584.	5.8	35
265	(CTG) _n repeat-mediated dysregulation of MBNL1 and MBNL2 expression during myogenesis in DM1 occurs already at the myoblast stage. <i>PLoS ONE</i> , 2019, 14, e0217317.	1.1	12
266	Cardiac interstitial tetraploid cells can escape replicative senescence in rodents but not large mammals. <i>Communications Biology</i> , 2019, 2, 205.	2.0	19
267	Multiomics Assessment of Gene Expression in a Clinical Strain of CTX-M-15-Producing ST131 <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 831.	1.5	6
268	Multi-omics profiling of CHO parental hosts reveals cell line-specific variations in bioprocessing traits. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2117-2129.	1.7	38
269	CD44 aptamer mediated cargo delivery to lysosomes of retinal pigment epithelial cells to prevent age-related macular degeneration. <i>Biochemistry and Biophysics Reports</i> , 2019, 18, 100642.	0.7	11
270	Titanium with nanotopography induces osteoblast differentiation through regulation of integrin β 5. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 16723-16732.	1.2	18
271	Tissue-specific genes as an underutilized resource in drug discovery. <i>Scientific Reports</i> , 2019, 9, 7233.	1.6	32
272	Aryl hydrocarbon receptor signaling, toxicity, and gene expression responses to monoaromatic methylchrysenes. <i>Environmental Toxicology</i> , 2019, 34, 992-1000.	2.1	6
273	Comparison of <i>Drosophila melanogaster</i> Embryo and Adult Proteome by SWATH-MS Reveals Differential Regulation of Protein Synthesis, Degradation Machinery, and Metabolism Modules. <i>Journal of Proteome Research</i> , 2019, 18, 2525-2534.	1.8	7

#	ARTICLE	IF	CITATIONS
274	Perspective and Guidelines for Metaproteomics in Microbiome Studies. <i>Journal of Proteome Research</i> , 2019, 18, 2370-2380.	1.8	63
275	Disentangling Genetic and Environmental Effects on the Proteotypes of Individuals. <i>Cell</i> , 2019, 177, 1308-1318.e10.	13.5	48
276	Cancer Genetic Network Inference Using Gaussian Graphical Models. <i>Bioinformatics and Biology Insights</i> , 2019, 13, 117793221983940.	1.0	33
277	Matrix Production in Chondrocytes Transfected with Sex Determining Region Y-Box 9 and Telomerase Reverse Transcriptase Genes: An In Vitro Evaluation from Monolayer Culture to Three-Dimensional Culture. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 285-299.	1.6	6
278	An Automated Biomodel Selection System (BMSS) for Gene Circuit Designs. <i>ACS Synthetic Biology</i> , 2019, 8, 1484-1497.	1.9	26
279	Network Medicine in the Age of Biomedical Big Data. <i>Frontiers in Genetics</i> , 2019, 10, 294.	1.1	143
280	Is it useful to use several "omics" for obtaining valuable results?. <i>Molecular Biology Reports</i> , 2019, 46, 3597-3606.	1.0	35
281	The antioxidant γ -lipoic acid attenuates intermittent hypoxia-related renal injury in a mouse model of sleep apnea. <i>Sleep</i> , 2019, 42, .	0.6	11
282	Quantification and discovery of sequence determinants of protein-mRNA amount in human tissues. <i>Molecular Systems Biology</i> , 2019, 15, e8513.	3.2	63
283	Phosphatase inhibitor PPP1R11 modulates resistance of human T cells toward Treg-mediated suppression of cytokine expression. <i>Journal of Leukocyte Biology</i> , 2019, 106, 413-430.	1.5	17
284	Detection of Inflammation-Related Melanoma Small Extracellular Vesicle (sEV) mRNA Content Using Primary Melanocyte sEVs as a Reference. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1235.	1.8	17
285	Integration of single-cell RNA-seq data into population models to characterize cancer metabolism. <i>PLoS Computational Biology</i> , 2019, 15, e1006733.	1.5	70
286	Chronic hypoxia changes gene expression profile of primary rat carotid body cells: consequences on the expression of NOS isoforms and ET-1 receptors. <i>Physiological Genomics</i> , 2019, 51, 109-124.	1.0	6
287	The Shape of Mitochondrial Dysfunction in Down Syndrome. <i>Developmental Neurobiology</i> , 2019, 79, 613-621.	1.5	15
288	Docking analysis of hexanoic acid and quercetin with seven domains of polyketide synthase A provided insight into quercetin-mediated aflatoxin biosynthesis inhibition in <i>Aspergillus flavus</i> . <i>3 Biotech</i> , 2019, 9, 149.	1.1	15
289	Combined Transcriptomics and Proteomics in Frontal Cortex Area 8 in Frontotemporal Lobar Degeneration Linked to C9ORF72 Expansion. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 1287-1307.	1.2	14
290	RNA sampling from tissue sections using infrared laser ablation. <i>Analytica Chimica Acta</i> , 2019, 1063, 91-98.	2.6	5
291	The Platelet Transcriptome in Health and Disease. , 2019, , 139-153.		5

#	ARTICLE	IF	CITATIONS
292	Systems immunology: Integrating multi-omics data to infer regulatory networks and hidden drivers of immunity. <i>Current Opinion in Systems Biology</i> , 2019, 15, 19-29.	1.3	32
293	Understanding the Loss of Maternal Care in Avian Brood Parasites Using Preoptic Area Transcriptome Comparisons in Brood Parasitic and Non-parasitic Blackbirds. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1075-1084.	0.8	5
294	Diet modulates the relationship between immune gene expression and functional immune responses. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 109, 128-141.	1.2	58
295	Macrobrachium rosenbergii Cu/Zn superoxide dismutase (Cu/Zn SOD) expressed in Saccharomyces cerevisiae and evaluation of the immune function to Vibrio parahaemolyticus. <i>Fish and Shellfish Immunology</i> , 2019, 90, 363-375.	1.6	17
296	RNA-Seq and iTRAQ reveal multiple pathways involved in storage root formation and development in sweet potato (Ipomoea batatas L.). <i>BMC Plant Biology</i> , 2019, 19, 136.	1.6	78
297	Sensitive Quantitative Proteomics of Human Hematopoietic Stem and Progenitor Cells by Data-independent Acquisition Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1454-1467.	2.5	43
298	Generally applicable transcriptome-wide analysis of translation using anota2seq. <i>Nucleic Acids Research</i> , 2019, 47, e70-e70.	6.5	70
299	Preconditioning the rat heart with sodium thiosulfate preserved the mitochondria in response to ischemia-reperfusion injury. <i>Journal of Bioenergetics and Biomembranes</i> , 2019, 51, 189-201.	1.0	15
300	Targeted Quantitative Proteomic Approach for Probing Altered Protein Expression of Small GTPases Associated with Colorectal Cancer Metastasis. <i>Analytical Chemistry</i> , 2019, 91, 6233-6241.	3.2	12
301	iTRAQ-Based Quantitative Proteomic Analysis Strengthens Transcriptomic Subtyping of Triple-Negative Breast Cancer Tumors. <i>Proteomics</i> , 2019, 19, 1800484.	1.3	14
302	Proteotyping pluripotency with mass spectrometry. <i>Expert Review of Proteomics</i> , 2019, 16, 391-400.	1.3	0
303	Gene expression profile of extraocular muscles following resection strabismus surgery. <i>Experimental Eye Research</i> , 2019, 182, 182-193.	1.2	2
304	The Case for Proteomics and Phospho-Proteomics in Personalized Cancer Medicine. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800113.	0.8	88
305	Mass Spectrometry-based Absolute Quantification of 20S Proteasome Status for Controlled Ex-vivo Expansion of Human Adipose-derived Mesenchymal Stromal/Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 744-759.	2.5	17
306	Calcium Channel Subunit $\alpha_1\text{G}$ Is Regulated by Early Growth Response 1 and Facilitates Epileptogenesis. <i>Journal of Neuroscience</i> , 2019, 39, 3175-3187.	1.7	24
307	Elucidation of mechanism for host response to VHSV infection at varying temperatures in vitro and in vivo through proteomic analysis. <i>Fish and Shellfish Immunology</i> , 2019, 88, 244-253.	1.6	6
308	Stem Cell Quiescence: Dynamism, Restraint, and Cellular Idling. <i>Cell Stem Cell</i> , 2019, 24, 213-225.	5.2	220
309	Bifunctional Chloroplastic DJ-1B from Arabidopsis thaliana is an Oxidation-Robust Holdase and a Glyoxalase Sensitive to H ₂ O ₂ . <i>Antioxidants</i> , 2019, 8, 8.	2.2	17

#	ARTICLE	IF	CITATIONS
310	Targeted Proteomics Comes to the Benchside and the Bedside: Is it Ready for Us?. <i>BioEssays</i> , 2019, 41, e1800042.	1.2	20
311	Oncoproteomic and gene expression analyses identify prognostic biomarkers for second primary malignancy in patients with head and neck squamous cell carcinoma. <i>Modern Pathology</i> , 2019, 32, 943-956.	2.9	17
312	Genomic evidence of Y chromosome microchimerism in the endometrium during endometriosis and in cases of infertility. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 22.	1.4	29
313	The effects of tracheal occlusion on Wnt signaling in a rabbit model of congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2019, 54, 937-944.	0.8	15
314	Evaluating Metagenomic Prediction of the Metaproteome in a 4.5-Year Study of a Patient with Crohn's Disease. <i>MSystems</i> , 2019, 4, .	1.7	40
315	Long live the queen, the king and the commoner? Transcript expression differences between old and young in the termite <i>Cryptotermes secundus</i> . <i>PLoS ONE</i> , 2019, 14, e0210371.	1.1	23
316	Chemical Biology Gateways to Mapping Location, Association, and Pathway Responsivity. <i>Frontiers in Chemistry</i> , 2019, 7, 125.	1.8	8
317	Proteomics Reveals Profound Metabolic Changes in the Alcohol Use Disorder Brain. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2364-2373.	1.7	26
318	Quiescence Modulates Stem Cell Maintenance and Regenerative Capacity in the Aging Brain. <i>Cell</i> , 2019, 176, 1407-1419.e14.	13.5	265
319	Multi-omic measurements of heterogeneity in HeLa cells across laboratories. <i>Nature Biotechnology</i> , 2019, 37, 314-322.	9.4	254
320	A deep proteome and transcriptome abundance atlas of 29 healthy human tissues. <i>Molecular Systems Biology</i> , 2019, 15, e8503.	3.2	576
321	Translating transcription: proteomics in chronic rhinosinusitis with nasal polyps reveals significant discordance with messenger RNA expression. <i>International Forum of Allergy and Rhinology</i> , 2019, 9, 776-786.	1.5	18
322	Single cell transcriptomics: moving towards multi-omics. <i>Analyst</i> , The, 2019, 144, 3172-3189.	1.7	34
323	Lipid and glucose metabolism in hepatocyte cell lines and primary mouse hepatocytes: a comprehensive resource for in vitro studies of hepatic metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E578-E589.	1.8	71
324	Comprehensive Cis-Regulation Analysis of Genetic Variants in Human Lymphoblastoid Cell Lines. <i>Frontiers in Genetics</i> , 2019, 10, 806.	1.1	6
325	Semiquantitative Proteomics Enables Mapping of Murine Neutrophil Dynamics following Lethal Influenza Virus Infection. <i>Journal of Immunology</i> , 2019, 203, 1064-1075.	0.4	2
326	Gene disruption of ribosomal protein L5 (RPL5) decreased the sensitivity of CHO-K1 cells to uncoupler carbonylcyanide-3-chlorophenylhydrazone. <i>Drug Discoveries and Therapeutics</i> , 2019, 13, 306-313.	0.6	2
327	Genome-wide analysis of androgen receptor binding and transcriptomic analysis in mesenchymal subsets during prostate development. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	10

#	ARTICLE	IF	CITATIONS
328	Novel endogenous promoters for genetic engineering of the marine microalga <i>Nannochloropsis gaditana</i> CCMP526. <i>Algal Research</i> , 2019, 44, 101708.	2.4	16
329	<i>Arabidopsis</i> TRM5 encodes a nuclear-localised bifunctional tRNA guanine and inosine-N1-methyltransferase that is important for growth. <i>PLoS ONE</i> , 2019, 14, e0225064.	1.1	14
330	Quantitative Proteome Landscape of the NCI-60 Cancer Cell Lines. <i>IScience</i> , 2019, 21, 664-680.	1.9	52
331	Label-Free Immunoprecipitation Mass Spectrometry Workflow for Large-scale Nuclear Interactome Profiling. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	7
332	Dynamic Transcriptome-Proteome Correlation Networks Reveal Human Myeloid Differentiation and Neutrophil-Specific Programming. <i>Cell Reports</i> , 2019, 29, 2505-2519.e4.	2.9	70
333	More or less "the same"? mRNA fluctuations are balanced during translation. <i>EMBO Journal</i> , 2019, 38, e103651.	3.5	0
334	Classification of mouse B cell types using surfaceome proteotype maps. <i>Nature Communications</i> , 2019, 10, 5734.	5.8	31
335	β -catenin signaling inhibitors ICG-001 and C-82 improve fibrosis in preclinical models of endometriosis. <i>Scientific Reports</i> , 2019, 9, 20056.	1.6	19
336	The Heat Shock Response in Yeast Maintains Protein Homeostasis by Chaperoning and Replenishing Proteins. <i>Cell Reports</i> , 2019, 29, 4593-4607.e8.	2.9	67
337	Diminished Expression of P-glycoprotein Using Focused Ultrasound Is Associated With JNK-Dependent Signaling Pathway in Cerebral Blood Vessels. <i>Frontiers in Neuroscience</i> , 2019, 13, 1350.	1.4	19
338	Mathematical modelling identifies the role of adaptive immunity as a key controller of respiratory syncytial virus in cotton rats. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190389.	1.5	19
339	<i>Arabidopsis</i> proteome and the mass spectral assay library. <i>Scientific Data</i> , 2019, 6, 278.	2.4	39
340	Induction of the Antioxidant Response by the Transcription Factor NRF2 Increases Bioactivation of the Mutagenic Air Pollutant 3-Nitrobenzanthrone in Human Lung Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 2538-2551.	1.7	17
341	Proteomic Detection and Validation of Translated Small Open Reading Frames. <i>Current Protocols in Chemical Biology</i> , 2019, 11, e77.	1.7	26
342	Sex-dependent and sex-independent regulatory systems of size variation in natural populations. <i>Molecular Systems Biology</i> , 2019, 15, e9012.	3.2	4
343	TRPM7 Induces Mechanistic Target of Rap1b Through the Downregulation of miR-28-5p in Glioma Proliferation and Invasion. <i>Frontiers in Oncology</i> , 2019, 9, 1413.	1.3	23
344	Development and applications of a monoclonal antibody against caprine interferon-gamma. <i>BMC Biotechnology</i> , 2019, 19, 102.	1.7	2
345	Joint learning improves protein abundance prediction in cancers. <i>BMC Biology</i> , 2019, 17, 107.	1.7	16

#	ARTICLE	IF	CITATIONS
346	An assessment of the multifactorial profile of steroid-metabolizing enzymes and steroid receptors in the eutopic endometrium during moderate to severe ovarian endometriosis. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 111.	1.4	11
347	ProTargetMiner as a proteome signature library of anticancer molecules for functional discovery. <i>Nature Communications</i> , 2019, 10, 5715.	5.8	47
348	Genetic determinants of the molecular portraits of epithelial cancers. <i>Nature Communications</i> , 2019, 10, 5666.	5.8	21
350	In vitro study of cartilage tissue engineering using human adipose-derived stem cells induced by platelet-rich plasma and cultured on silk fibroin scaffold. <i>Stem Cell Research and Therapy</i> , 2019, 10, 369.	2.4	33
351	High-Throughput Mass Spectrometric Analysis of the Whole Proteome and Secretome From <i>Sinorhizobium fredii</i> Strains CCBAU25509 and CCBAU45436. <i>Frontiers in Microbiology</i> , 2019, 10, 2569.	1.5	17
352	Co-regulation map of the human proteome enables identification of protein functions. <i>Nature Biotechnology</i> , 2019, 37, 1361-1371.	9.4	106
353	Challenges in proteogenomics: a comparison of analysis methods with the case study of the DREAM proteogenomics sub-challenge. <i>BMC Bioinformatics</i> , 2019, 20, 669.	1.2	10
354	Synthetic repetitive extragenic palindromic (REP) sequence as an efficient mRNA stabilizer for protein production and metabolic engineering in prokaryotic cells. <i>Biotechnology and Bioengineering</i> , 2019, 116, 5-18.	1.7	15
355	RNA Structure and Cellular Applications of Fluorescent Light-Up Aptamers. <i>Angewandte Chemie</i> , 2019, 131, 1278-1291.	1.6	7
356	QuanTP: A Software Resource for Quantitative Proteo-Transcriptomic Comparative Data Analysis and Informatics. <i>Journal of Proteome Research</i> , 2019, 18, 782-790.	1.8	6
357	Regulation of asymmetries in the kinetics and protein numbers of bacterial gene expression. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 119-128.	0.9	8
358	Increased cerebral blood flow after single dose of antipsychotics in healthy volunteers depends on dopamine D2 receptor density profiles. <i>NeuroImage</i> , 2019, 188, 774-784.	2.1	30
359	A Primer on Data Analytics in Functional Genomics: How to Move from Data to Insight?. <i>Trends in Biochemical Sciences</i> , 2019, 44, 21-32.	3.7	16
360	Proteomic Landscape of Aldosterone-Producing Adenoma. <i>Hypertension</i> , 2019, 73, 469-480.	1.3	19
361	Elucidating effects of reaction rates on dynamics of the lac circuit in <i>Escherichia coli</i> . <i>BioSystems</i> , 2019, 175, 1-10.	0.9	2
362	On the contribution of mass spectrometry-based platforms to the field of personalized oncology. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 129-142.	5.8	4
363	Bridging the Gap between Connectome and Transcriptome. <i>Trends in Cognitive Sciences</i> , 2019, 23, 34-50.	4.0	245
364	Side population cells in anaplastic thyroid cancer and normal thyroid. <i>Experimental Cell Research</i> , 2019, 374, 104-113.	1.2	6

#	ARTICLE	IF	CITATIONS
365	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. <i>Journal of Neuroscience</i> , 2019, 39, 393-411.	1.7	95
366	Central dogma rates and the trade-off between precision and economy in gene expression. <i>Nature Communications</i> , 2019, 10, 68.	5.8	140
367	Selection of Fusarium Trichothecene Toxin Genes for Molecular Detection Depends on TRI Gene Cluster Organization and Gene Function. <i>Toxins</i> , 2019, 11, 36.	1.5	37
368	Imaging Mass Spectrometry and Proteome Analysis of Marek's Disease Virus-Induced Tumors. <i>MSphere</i> , 2019, 4, .	1.3	11
369	Bottom-up, integrated -omics analysis identifies broadly dosage-sensitive genes in breast cancer samples from TCGA. <i>PLoS ONE</i> , 2019, 14, e0210910.	1.1	6
370	A Simple and Flexible Computational Framework for Inferring Sources of Heterogeneity from Single-Cell Dynamics. <i>Cell Systems</i> , 2019, 8, 15-26.e11.	2.9	19
371	Quantitative Proteomics Reveals the Dynamic Protein Landscape during Initiation of Human Th17 Cell Polarization. <i>IScience</i> , 2019, 11, 334-355.	1.9	25
372	Controlled intracellular trafficking alleviates an expression bottleneck in <i>S. cerevisiae</i> ester biosynthesis. <i>Metabolic Engineering Communications</i> , 2019, 8, e00085.	1.9	8
373	Quantitative analysis reveals genotype- and domain- specific differences between mRNA and protein expression of segmentation genes in <i>Drosophila</i> . <i>Developmental Biology</i> , 2019, 448, 48-58.	0.9	10
374	Proteome Analysis of Human Neutrophil Granulocytes From Patients With Monogenic Disease Using Data-independent Acquisition. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 760-772.	2.5	52
375	Reversing effects of ginsenosides on LPS-induced hepatic CYP3A11/3A4 dysfunction through the pregnane X receptor. <i>Journal of Ethnopharmacology</i> , 2019, 229, 246-255.	2.0	14
376	Systems-Wide Approaches in Induced Pluripotent Stem Cell Models. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2019, 14, 395-419.	9.6	24
377	Dietary supplemental vitamin D ₃ enhances phosphorus absorption and utilisation by regulating gene expression of related phosphate transporters in the small intestine of broilers. <i>British Journal of Nutrition</i> , 2019, 121, 9-21.	1.2	20
378	MMP14 empowers tumor-initiating breast cancer cells under hypoxic nutrient-depleted conditions. <i>FASEB Journal</i> , 2019, 33, 4124-4140.	0.2	24
379	Cell-type specific polysome profiling from mammalian tissues. <i>Methods</i> , 2019, 155, 131-139.	1.9	15
380	The proteome microenvironment determines the protective effect of preconditioning in cisplatin-induced acute kidney injury. <i>Kidney International</i> , 2019, 95, 333-349.	2.6	55
381	Nucleus-translocated matrix metalloprotease 1 regulates innate immune response in Pacific abalone (<i>Haliotis discus hannai</i>). <i>Fish and Shellfish Immunology</i> , 2019, 84, 290-298.	1.6	9
382	Quantification of molecular heterogeneity in kidney tissue by targeted proteomics. <i>Journal of Proteomics</i> , 2019, 193, 85-92.	1.2	15

#	ARTICLE	IF	CITATIONS
383	Molecular studies of CGRP and the CGRP family of peptides in the central nervous system. Cephalalgia, 2019, 39, 403-419.	1.8	54
384	Proteome-based systems biology in chronic pain. Journal of Proteomics, 2019, 190, 1-11.	1.2	27
385	Dysregulated Prefrontal Cortical RhoA Signal Transduction in Bipolar Disorder with Psychosis: New Implications for Disease Pathophysiology. Cerebral Cortex, 2020, 30, 59-71.	1.6	3
386	C-X-C Chemokine Receptor Type 7 (CXCR-7) Expression in Invasive Ductal Carcinoma of Breast in Association with Clinicopathological Features. Pathology and Oncology Research, 2020, 26, 1015-1020.	0.9	2
387	Uterine Fluid Proteins for Minimally Invasive Assessment of Endometrial Receptivity. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 219-230.	1.8	23
388	Unraveling and resolving inefficient glucolipid biosurfactants production through quantitative multiomics analyses of <i>Starmerella bombicola</i> strains. Biotechnology and Bioengineering, 2020, 117, 453-465.	1.7	12
389	A dimerization-based fluorogenic dye-aptamer module for RNA imaging in live cells. Nature Chemical Biology, 2020, 16, 69-76.	3.9	89
390	Uterine deficiency of high-mobility group box-1 (HMGB1) protein causes implantation defects and adverse pregnancy outcomes. Cell Death and Differentiation, 2020, 27, 1489-1504.	5.0	26
391	Preparation and effects on neuronal nutrition of plasmenylethonoamine and plasmalcholine from the mussel <i>Mytilus edulis</i> . Bioscience, Biotechnology and Biochemistry, 2020, 84, 380-392.	0.6	7
392	In-depth proteome analysis reveals multiple pathways involved in tomato SIMPK1-mediated high-temperature responses. Protoplasma, 2020, 257, 43-59.	1.0	5
393	A common mechanism for efficient N ₂ O reduction in diverse isolates of nodule-forming bradyrhizobia. Environmental Microbiology, 2020, 22, 17-31.	1.8	39
394	Patterns of mucosal inflammation in pediatric inflammatory bowel disease: striking overexpression of IL-17A in children with ulcerative colitis. Pediatric Research, 2020, 87, 839-846.	1.1	9
395	Stimulus response-based fine-tuning of polyhydroxyalkanoate pathway in Halomonas. Metabolic Engineering, 2020, 57, 85-95.	3.6	38
396	Prognostic significance of KN motif and ankyrin repeat domains 1 (KANK1) in invasive breast cancer. Breast Cancer Research and Treatment, 2020, 179, 349-357.	1.1	18
397	Proteogenomic Approach to UTR Peptide Identification. Journal of Proteome Research, 2020, 19, 212-220.	1.8	11
398	Proteomic research in sarcomas – current status and future opportunities. Seminars in Cancer Biology, 2020, 61, 56-70.	4.3	50
399	Transcriptome analysis of boar spermatozoa with different freezability using RNA-Seq. Theriogenology, 2020, 142, 400-413.	0.9	48
400	P2Y ₁₃ receptors regulate microglial morphology, surveillance, and resting levels of interleukin 1 β release. Glia, 2020, 68, 328-344.	2.5	44

#	ARTICLE	IF	CITATIONS
401	Absolute quantification of dystrophin protein in human muscle biopsies using parallel reaction monitoring (PRM). <i>Journal of Mass Spectrometry</i> , 2020, 55, e4437.	0.7	13
402	Deep Multilayer Brain Proteomics Identifies Molecular Networks in Alzheimer's Disease Progression. <i>Neuron</i> , 2020, 105, 975-991.e7.	3.8	287
403	Hallmarks and Determinants of Oncogenic Translation Revealed by Ribosome Profiling in Models of Breast Cancer. <i>Translational Oncology</i> , 2020, 13, 452-470.	1.7	7
404	Alterations of thyroidal status in brain regions and hypothalamo-pituitary-blood-thyroid-axis associated with dopaminergic depletion in substantia nigra and ROS formation in different brain regions after MPTP treatment in adult male mice. <i>Brain Research Bulletin</i> , 2020, 156, 131-140.	1.4	3
405	TMT-labeled quantitative proteomic analyses on the longissimus dorsi to identify the proteins underlying intramuscular fat content in pigs. <i>Journal of Proteomics</i> , 2020, 213, 103630.	1.2	37
406	Global variability analysis of mRNA and protein concentrations across and within human tissues. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz010.	1.5	40
407	Genetics' Piece of the PI: Inferring the Origin of Complex Traits and Diseases from Proteome-Wide Protein-Protein Interaction Dynamics. <i>BioEssays</i> , 2020, 42, 1900169.	1.2	0
408	Elevated ocular pressure reduces voltage-gated sodium channel NaV1.2 protein expression in retinal ganglion cell axons. <i>Experimental Eye Research</i> , 2020, 190, 107873.	1.2	18
409	Preserving single cells in space and time for analytical assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115723.	5.8	4
410	Adenovirus in the omics era – a multipronged strategy. <i>FEBS Letters</i> , 2020, 594, 1879-1890.	1.3	8
411	Circadian regulation of phosphodiesterase 6 genes in zebrafish differs between cones and rods: Implications for photopic and scotopic vision. <i>Vision Research</i> , 2020, 166, 43-51.	0.7	13
412	Antibody validation for Western blot: By the user, for the user. <i>Journal of Biological Chemistry</i> , 2020, 295, 926-939.	1.6	37
413	Systematic analysis of alterations in the ubiquitin proteolysis system reveals its contribution to driver mutations in cancer. <i>Nature Cancer</i> , 2020, 1, 122-135.	5.7	30
414	Bilateral ureteral obstruction is rapidly accompanied by ER stress and activation of autophagic degradation of IMCD proteins, including AQP2. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F135-F147.	1.3	5
415	The application of cell surface markers to demarcate distinct human pluripotent states. <i>Experimental Cell Research</i> , 2020, 387, 111749.	1.2	9
416	Cardiac Pacemaker Activity and Aging. <i>Annual Review of Physiology</i> , 2020, 82, 21-43.	5.6	59
417	High RIG-I expression in ovarian cancer associates with an immune-escape signature and poor clinical outcome. <i>International Journal of Cancer</i> , 2020, 146, 2007-2018.	2.3	38
418	Effects of nebulized antithrombin and heparin on inflammatory and coagulation alterations in an acute lung injury model in rats. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 571-583.	1.9	21

#	ARTICLE	IF	CITATIONS
419	Yeast systems biology in understanding principles of physiology underlying complex human diseases. <i>Current Opinion in Biotechnology</i> , 2020, 63, 63-69.	3.3	7
420	Identification of gene fusion events in <i>Mycobacterium tuberculosis</i> that encode chimeric proteins. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa033.	1.5	3
421	Single-Cell Transcriptome Analysis of Colon Cancer Cell Response to 5-Fluorouracil-Induced DNA Damage. <i>Cell Reports</i> , 2020, 32, 108077.	2.9	40
422	How Do Sensory Neurons Sense Danger Signals?. <i>Trends in Neurosciences</i> , 2020, 43, 822-838.	4.2	85
423	Cell autonomous requirement of neurofibromin (Nf1) for postnatal muscle hypertrophic growth and metabolic homeostasis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1758-1778.	2.9	8
424	The Clinical Kinase Index: A Method to Prioritize Understudied Kinases as Drug Targets for the Treatment of Cancer. <i>Cell Reports Medicine</i> , 2020, 1, 100128.	3.3	41
425	A disintegrin and metalloproteinase domain 17-epidermal growth factor receptor signaling contributes to oral cancer pain. <i>Pain</i> , 2020, 161, 2330-2343.	2.0	8
426	Proteome-wide effects of naphthalene-derived secondary organic aerosol in BEAS-2B cells are caused by short-lived unsaturated carbonyls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25386-25395.	3.3	30
427	Mitigating Effects of <i>Liriope platyphylla</i> on Nicotine-Induced Behavioral Sensitization and Quality Control of Compounds. <i>Brain Sciences</i> , 2020, 10, 654.	1.1	2
428	OneStopRNAseq: A Web Application for Comprehensive and Efficient Analyses of RNA-Seq Data. <i>Genes</i> , 2020, 11, 1165.	1.0	25
429	Heterogeneous expression of the SARS-Coronavirus-2 receptor ACE2 in the human respiratory tract. <i>EBioMedicine</i> , 2020, 60, 102976.	2.7	153
430	Sex Differences in Nociceptor Transcriptomes Contribute to Divergent Prostaglandin Signaling in Male and Female Mice. <i>Biological Psychiatry</i> , 2022, 91, 129-140.	0.7	40
431	Rational combination therapy for hepatocellular carcinoma with PARP1 and DNA-PK inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26356-26365.	3.3	35
432	Nerve growth factor and its receptor tyrosine kinase TrkA are overexpressed in cervical squamous cell carcinoma. <i>FASEB BioAdvances</i> , 2020, 2, 398-408.	1.3	12
433	Dynamic CCN3 expression in the murine CNS does not confer essential roles in myelination or remyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18018-18028.	3.3	15
434	Isoform-specific regulation of HCN4 channels by a family of endoplasmic reticulum proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18079-18090.	3.3	13
435	Seasonal regulation of behaviour: what role do hormone receptors play?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200722.	1.2	19
436	Evaluation of Bioactivities of Bovine Milk Osteopontin Using a Knockout Mouse Model. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 125-131.	0.9	17

#	ARTICLE	IF	CITATIONS
437	Nutrient-sensing components of the mouse stomach and the gastric ghrelin cell. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13944.	1.6	10
438	Exploring the impact of trauma type and extent of exposure on posttraumatic alterations in 5-HT1A expression. <i>Translational Psychiatry</i> , 2020, 10, 237.	2.4	7
439	Transcriptomic analysis of regulatory pathways involved in female reproductive physiology of <i>Rhodnius prolixus</i> under different nutritional states. <i>Scientific Reports</i> , 2020, 10, 11431.	1.6	34
440	Functional Specialization of Human Salivary Glands and Origins of Proteins Intrinsic to Human Saliva. <i>Cell Reports</i> , 2020, 33, 108402.	2.9	54
441	Rice-induced secondary metabolite gene expression in <i>Aspergillus nidulans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 1109-1116.	1.4	2
442	A small natural molecule CADPE kills residual colorectal cancer cells by inhibiting key transcription factors and translation initiation factors. <i>Cell Death and Disease</i> , 2020, 11, 982.	2.7	1
443	Detection of immunogenic cell death and its relevance for cancer therapy. <i>Cell Death and Disease</i> , 2020, 11, 1013.	2.7	466
444	SARS-CoV-2 Receptors and Entry Genes Are Expressed in the Human Olfactory Neuroepithelium and Brain. <i>IScience</i> , 2020, 23, 101839.	1.9	173
445	Disease-Causing Mutations and Rearrangements in Long Non-coding RNA Gene Loci. <i>Frontiers in Genetics</i> , 2020, 11, 527484.	1.1	44
446	The cGMP system in normal and degenerating mouse neuroretina: New proteins with cGMP interaction potential identified by a proteomics approach. <i>Journal of Neurochemistry</i> , 2020, 157, 2173-2186.	2.1	9
447	Pyrrroloquinoline Quinone Modifies Lipid Profile, but Not Insulin Sensitivity, of Palmitic Acid-Treated L6 Myotubes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8382.	1.8	4
448	Deep learning suggests that gene expression is encoded in all parts of a co-evolving interacting gene regulatory structure. <i>Nature Communications</i> , 2020, 11, 6141.	5.8	83
449	Toxicological responses of BEAS-2B cells to repeated exposures to benzene, toluene, m-xylene, and mesitylene using air-liquid interface method. <i>Journal of Applied Toxicology</i> , 2020, 41, 1262-1274.	1.4	3
450	Mutant thermal proteome profiling for characterization of missense protein variants and their associated phenotypes within the proteome. <i>Journal of Biological Chemistry</i> , 2020, 295, 16219-16238.	1.6	23
451	<i>E-Cadherin</i> , <i>NFATC3</i> , and <i>PLP2</i> Are Differentially Methylated in Multiple Cancers. <i>Epigenetics Insights</i> , 2020, 13, 251686572096480.	0.6	3
452	The association of dietary and plasma fatty acid composition with FTO gene expression in human visceral and subcutaneous adipose tissues. <i>European Journal of Nutrition</i> , 2021, 60, 2485-2494.	1.8	6
453	Network Approaches for Dissecting the Immune System. <i>IScience</i> , 2020, 23, 101354.	1.9	28
454	mRNAs, proteins and the emerging principles of gene expression control. <i>Nature Reviews Genetics</i> , 2020, 21, 630-644.	7.7	576

#	ARTICLE	IF	CITATIONS
455	A hierarchical Bayesian mixture model for inferring the expression state of genes in transcriptomes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19339-19346.	3.3	16
456	Binding specificities of human RNA-binding proteins toward structured and linear RNA sequences. Genome Research, 2020, 30, 962-973.	2.4	55
457	Short-Term ONX-0914 Administration: Performance and Muscle Phenotype in Mdx Mice. International Journal of Environmental Research and Public Health, 2020, 17, 5211.	1.2	1
458	Gestational Hypoxia Inhibits Pregnancy-Induced Upregulation of Ca ²⁺ Sparks and Spontaneous Transient Outward Currents in Uterine Arteries Via Heightened Endoplasmic Reticulum/Oxidative Stress. Hypertension, 2020, 76, 930-942.	1.3	13
459	Transcriptional shifts in delignification-defective mutants of the white rot fungus <i>Pleurotus ostreatus</i> . FEBS Letters, 2020, 594, 3182-3199.	1.3	14
460	Probing SWATH-MS as a tool for proteome level quantification in a nonmodel fish. Molecular Ecology Resources, 2020, 20, 1647-1657.	2.2	9
461	Claudins regulate gene and protein expression of the retinal pigment epithelium independent of their association with tight junctions. Experimental Eye Research, 2020, 198, 108157.	1.2	5
462	Insight on Transcriptional Regulation of the Energy Sensing AMPK and Biosynthetic mTOR Pathway Genes. Frontiers in Cell and Developmental Biology, 2020, 8, 671.	1.8	25
463	Single Cell Transcriptome Analysis of Niemann-Pick Disease, Type C1 Cerebella. International Journal of Molecular Sciences, 2020, 21, 5368.	1.8	20
464	Maturation Changes in Mouse Cutaneous Touch and Piezo2-Mediated Mechanotransduction. Cell Reports, 2020, 32, 107912.	2.9	13
465	High-Dimensional T Helper Cell Profiling Reveals a Broad Diversity of Stably Committed Effector States and Uncovers Interlineage Relationships. Immunity, 2020, 53, 597-613.e6.	6.6	43
466	Ribosome profiling reveals the effects of nitrogen application translational regulation of yield recovery after abrupt drought-flood alternation in rice. Plant Physiology and Biochemistry, 2020, 155, 42-58.	2.8	24
467	Community Assessment of the Predictability of Cancer Protein and Phosphoprotein Levels from Genomics and Transcriptomics. Cell Systems, 2020, 11, 186-195.e9.	2.9	19
468	The Ubiquitin Gene Expression Pattern and Sensitivity to UBB and UBC Knockdown Differentiate Primary 23132/87 and Metastatic MKN45 Gastric Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 5435.	1.8	19
469	Generating Proteomic Big Data for Precision Medicine. Proteomics, 2020, 20, 1900358.	1.3	7
470	A1 reactive astrocytes and a loss of TREM2 are associated with an early stage of pathology in a mouse model of cerebral amyloid angiopathy. Journal of Neuroinflammation, 2020, 17, 223.	3.1	36
471	Proteomics in Non-model Organisms: A New Analytical Frontier. Journal of Proteome Research, 2020, 19, 3595-3606.	1.8	40
472	Metaproteomics insights into traditional fermented foods and beverages. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2506-2529.	5.9	41

#	ARTICLE	IF	CITATIONS
473	What Room for Two-Dimensional Gel-Based Proteomics in a Shotgun Proteomics World?. <i>Proteomes</i> , 2020, 8, 17.	1.7	42
474	Neuronal subclass-selective proteomic analysis in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2020, 10, 13840.	1.6	6
475	The expression and regulation of Wnt1 in tooth movement-initiated mechanotransduction. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2020, 158, e151-e160.	0.8	10
476	Patterns, Profiles, and Parsimony: Dissecting Transcriptional Signatures From Minimal Single-Cell RNA-Seq Output With SALSA. <i>Frontiers in Genetics</i> , 2020, 11, 511286.	1.1	1
477	Predicting Deep Learning Based Multi-Omics Parallel Integration Survival Subtypes in Lung Cancer Using Reverse Phase Protein Array Data. <i>Biomolecules</i> , 2020, 10, 1460.	1.8	41
478	Calcium signaling and epigenetics: A key point to understand carcinogenesis. <i>Cell Calcium</i> , 2020, 91, 102285.	1.1	18
479	Prepubertal exposure to arsenic alters male reproductive parameters in pubertal and adult rats. <i>Toxicology and Applied Pharmacology</i> , 2020, 409, 115304.	1.3	18
480	The vitamin D analogue calcipotriol promotes an anti-tumorigenic phenotype of human pancreatic CAFs but reduces T cell mediated immunity. <i>Scientific Reports</i> , 2020, 10, 17444.	1.6	49
481	Proteomic and transcriptomic profiling of aerial organ development in <i>Arabidopsis</i> . <i>Scientific Data</i> , 2020, 7, 334.	2.4	20
482	Identification and activity of monoamine oxidase in the orb-weaving spider <i>Larinioides cornutus</i> . <i>General and Comparative Endocrinology</i> , 2020, 299, 113580.	0.8	1
483	Abiotic and past climatic conditions drive protein abundance variation among natural populations of the caddisfly <i>Crunoecia irrorata</i> . <i>Scientific Reports</i> , 2020, 10, 15538.	1.6	2
484	Transcriptomic changes across vitellogenesis in the black tiger prawn (<i>Penaeus monodon</i>), neuropeptides and G protein-coupled receptors repertoire curation. <i>General and Comparative Endocrinology</i> , 2020, 298, 113585.	0.8	15
485	RBPJ contributes to the malignancy of glioblastoma and induction of proneural-mesenchymal transition via IL6-STAT3 pathway. <i>Cancer Science</i> , 2020, 111, 4166-4176.	1.7	17
486	Proteome-Wide Analysis of ADAR-Mediated Messenger RNA Editing during Fruit Fly Ontogeny. <i>Journal of Proteome Research</i> , 2020, 19, 4046-4060.	1.8	6
487	HNF1B, EZH2 and ECI2 in prostate carcinoma. Molecular, immunohistochemical and clinico-pathological study. <i>Scientific Reports</i> , 2020, 10, 14365.	1.6	6
488	Long non-coding RNA LINC00858 aggravates the oncogenic phenotypes of ovarian cancer cells through miR-134-5p/RAD18 signaling. <i>Archives of Gynecology and Obstetrics</i> , 2020, 302, 1243-1254.	0.8	8
489	C9orf72 loss-of-function: a trivial, stand-alone or additive mechanism in C9 ALS/FTD?. <i>Acta Neuropathologica</i> , 2020, 140, 625-643.	3.9	38
490	Effects of Different Dietary Vegetable Lipid Sources on Health Status in Nile Tilapia (<i>Oreochromis Tj</i> ETQq1 1 0.784314 rgBT /Overl... 10, 1377.	1.0	9

#	ARTICLE	IF	CITATIONS
491	Genetic Constraints, Transcriptome Plasticity, and the Evolutionary Response to Climate Change. <i>Frontiers in Genetics</i> , 2020, 11, 538226.	1.1	47
492	A Critical LRRK at the Synapse? The Neurobiological Function and Pathophysiological Dysfunction of LRRK2. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 153.	1.4	21
493	Comparative Transcriptome and Proteome Analysis of Salt-Tolerant and Salt-Sensitive Sweet Potato and Overexpression of IbNAC7 Confers Salt Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 572540.	1.7	42
494	The Receptor Tyrosine Kinase TrkA Is Increased and Targetable in HER2-Positive Breast Cancer. <i>Biomolecules</i> , 2020, 10, 1329.	1.8	9
495	A Quantitative Proteome Map of the Human Body. <i>Cell</i> , 2020, 183, 269-283.e19.	13.5	243
496	Chemokine Signatures of Pathogen-Specific T Cells I: Effector T Cells. <i>Journal of Immunology</i> , 2020, 205, 2169-2187.	0.4	30
497	Cell Proliferation in the Adult Chicken Hippocampus Correlates With Individual Differences in Time Spent in Outdoor Areas and Tonic Immobility. <i>Frontiers in Veterinary Science</i> , 2020, 7, 587.	0.9	10
498	How Do the Different Proteomic Strategies Cope with the Complexity of Biological Regulations in a Multi-Omic World? Critical Appraisal and Suggestions for Improvements. <i>Proteomes</i> , 2020, 8, 23.	1.7	8
499	Symbionts shape host innate immunity in honeybees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201184.	1.2	50
500	Advancing brain barriers RNA sequencing: guidelines from experimental design to publication. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 51.	2.4	16
501	Short-term cold stress and heat shock proteins in the crustacean <i>Artemia franciscana</i> . <i>Cell Stress and Chaperones</i> , 2020, 25, 1083-1097.	1.2	10
502	Co-expression analysis of pancreatic cancer proteome reveals biology and prognostic biomarkers. <i>Cellular Oncology (Dordrecht)</i> , 2020, 43, 1147-1159.	2.1	21
503	Viewing Cortical Collecting Duct Function Through Phenotype-guided Single-Tubule Proteomics. <i>Function</i> , 2020, 1, zqaa007.	1.1	2
504	The Molecular Floodgates of Stress-Induced Senescence Reveal Translation, Signalling and Protein Activity Central to the Post-Mortem Proteome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6422.	1.8	3
505	Using Deep Learning to Extrapolate Protein Expression Measurements. <i>Proteomics</i> , 2020, 20, e2000009.	1.3	9
506	SIRT5 Contributes to Colorectal Cancer Growth by Regulating T Cell Activity. <i>Journal of Immunology Research</i> , 2020, 2020, 1-17.	0.9	11
507	Intermittent Hypoxia Promotes Functional Neuroprotection from Retinal Ischemia in Untreated First-Generation Offspring: Proteomic Mechanistic Insights. , 2020, 61, 15.		11
508	Integration of absolute multi-omics reveals dynamic protein-to-RNA ratios and metabolic interplay within mixed-domain microbiomes. <i>Nature Communications</i> , 2020, 11, 4708.	5.8	28

#	ARTICLE	IF	CITATIONS
509	Recombinant adiponectin protects the newborn rat lung from lipopolysaccharide-induced inflammatory injury. <i>Physiological Reports</i> , 2020, 8, e14553.	0.7	3
510	Effects of mineral methionine hydroxy analog chelate in sow diets on epigenetic modification and growth of progeny. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	6
511	Novel insights into the calcium action in cherry fruit development revealed by high-throughput mapping. <i>Plant Molecular Biology</i> , 2020, 104, 597-614.	2.0	27
512	The impact of sex on gene expression across human tissues. <i>Science</i> , 2020, 369, .	6.0	329
514	RNA-Binding Protein Rbm24 as a Multifaceted Post-Transcriptional Regulator of Embryonic Lineage Differentiation and Cellular Homeostasis. <i>Cells</i> , 2020, 9, 1891.	1.8	25
515	3D projection electrophoresis for single-cell immunoblotting. <i>Nature Communications</i> , 2020, 11, 6237.	5.8	15
516	CD8+ T cell gene expression analysis identifies differentially expressed genes between multiple sclerosis patients and healthy controls. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2020, 6, 205521732097851.	0.5	2
517	Convergent network effects along the axis of gene expression during prostate cancer progression. <i>Genome Biology</i> , 2020, 21, 302.	3.8	17
518	Why do pathway methods work better than they should?. <i>FEBS Letters</i> , 2020, 594, 4189-4200.	1.3	19
519	Insights Into Translatomics in the Nervous System. <i>Frontiers in Genetics</i> , 2020, 11, 599548.	1.1	5
520	The Ion Channel and GPCR Toolkit of Brain Capillary Pericytes. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 601324.	1.8	33
521	The effect of long-term dehydration and subsequent rehydration on markers of inflammation, oxidative stress and apoptosis in the camel kidney. <i>BMC Veterinary Research</i> , 2020, 16, 458.	0.7	11
522	Differential Protein Expression in Striatal D1- and D2-Dopamine Receptor-Expressing Medium Spiny Neurons. <i>Proteomes</i> , 2020, 8, 27.	1.7	6
523	Connexins in melanoma: Potential role of Cx46 in its aggressiveness. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 853-868.	1.5	6
524	Proteomic analysis of the phylogenetic fungus <i>Sclerotinia sclerotiorum</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1144, 122053.	1.2	8
525	Immunohistochemical validation study of 15-gene biomarker panel predictive of benefit from adjuvant chemotherapy in resected non-small-cell lung cancer: analysis of JBR.10. <i>ESMO Open</i> , 2020, 5, e000679.	2.0	3
526	Imaging the fibroblast growth factor receptor network on the plasma membrane with DNA-assisted single-molecule super-resolution microscopy. <i>Methods</i> , 2021, 193, 38-45.	1.9	8
527	In Vitro Effects of <i>Streptococcus oralis</i> Biofilm on Peri-Implant Soft Tissue Cells. <i>Cells</i> , 2020, 9, 1226.	1.8	13

#	ARTICLE	IF	CITATIONS
528	Glioblastoma Factors Increase the Migration of Human Brain Endothelial Cells <i>In Vitro</i> by Increasing MMP-9/CXCR4 Levels. <i>Anticancer Research</i> , 2020, 40, 2725-2737.	0.5	10
529	An improved extraction method enables the comprehensive analysis of lipids, proteins, metabolites and phytohormones from a single sample of leaf tissue under water-deficit stress. <i>Plant Journal</i> , 2020, 103, 1614-1632.	2.8	55
530	Changes in the Expression of SNAP-25 Protein in the Brain of Juvenile Rats in Two Models of Autism. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1313-1320.	1.1	8
531	Hypomorphic CAMKK2 in EA.hy926 endothelial cells causes abnormal transferrin trafficking, iron homeostasis and glucose metabolism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118763.	1.9	13
532	RNA Sequencing in Comparison to Immunohistochemistry for Measuring Cancer Biomarkers in Breast Cancer and Lung Cancer Specimens. <i>Biomedicines</i> , 2020, 8, 114.	1.4	22
533	Expression and function of voltage gated proton channels (Hv1) in MDA-MB-231 cells. <i>PLoS ONE</i> , 2020, 15, e0227522.	1.1	13
534	Predictive Potential of Circulating Ube2h mRNA as an E2 Ubiquitin-Conjugating Enzyme for Diagnosis or Treatment of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3398.	1.8	18
535	Cell-Surface Proteomics Identifies Differences in Signaling and Adhesion Protein Expression between Naive and Primed Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2020, 14, 972-988.	2.3	23
536	Long-term changes in adipose tissue gene expression following bariatric surgery. <i>Journal of Internal Medicine</i> , 2020, 288, 219-233.	2.7	20
537	Targeting a cysteine protease from a pathobiont alleviates experimental arthritis. <i>Arthritis Research and Therapy</i> , 2020, 22, 114.	1.6	10
538	In Vitro Evaluation of the Effects of Commercial Prebiotic GOS and FOS Products on Human Colonic Caco-2 Cells. <i>Nutrients</i> , 2020, 12, 1281.	1.7	13
539	Osteoblasts are inherently programmed to repel sensory innervation. <i>Bone Research</i> , 2020, 8, 20.	5.4	16
540	Loss of m1acp3 Ribosomal RNA Modification Is a Major Feature of Cancer. <i>Cell Reports</i> , 2020, 31, 107611.	2.9	64
541	The Role of Testosterone in Amplifying the Effect of a Phosphodiesterase Type 5 Inhibitor After Pelvic Irradiation. <i>Journal of Sexual Medicine</i> , 2020, 17, 1268-1279.	0.3	1
542	PRKAG2 Gene Expression Is Elevated and its Protein Levels Are Associated with Increased Amyloid- β^2 Accumulation in the Alzheimer's Disease Brain. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 441-448.	1.2	8
543	Resveratrol Differently Modulates Group I Metabotropic Glutamate Receptors Depending on Age in SAMP8 Mice. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1770-1780.	1.7	10
544	A network of RNA-binding proteins controls translation efficiency to activate anaerobic metabolism. <i>Nature Communications</i> , 2020, 11, 2677.	5.8	32
545	Novel Insights into the Role of UBE3A in Regulating Apoptosis and Proliferation. <i>Journal of Clinical Medicine</i> , 2020, 9, 1573.	1.0	11

#	ARTICLE	IF	CITATIONS
546	Effective Method for Accurate and Sensitive Quantitation of Rapid Changes of Newly Synthesized Proteins. <i>Analytical Chemistry</i> , 2020, 92, 10048-10057.	3.2	16
547	Folic acid content of diet during pregnancy determines post-birth re-set of metabolism in Wistar rat dams. <i>Journal of Nutritional Biochemistry</i> , 2020, 83, 108414.	1.9	6
548	Met-Flow, a strategy for single-cell metabolic analysis highlights dynamic changes in immune subpopulations. <i>Communications Biology</i> , 2020, 3, 305.	2.0	82
549	The Rab-Rabphilin system in injured human podocytes stressed by glucose overload and angiotensin II. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F178-F191.	1.3	4
550	Biophysical studies of protein misfolding and aggregation in vivomodels of Alzheimer's and Parkinson's diseases. <i>Quarterly Reviews of Biophysics</i> , 2020, 53, e22.	2.4	13
551	Inference of Bacterial Small RNA Regulatory Networks and Integration with Transcription Factor-Driven Regulatory Networks. <i>MSystems</i> , 2020, 5, .	1.7	14
552	Removal of hypotaurine from porcine embryo culture medium does not impair development of in vitro fertilized or somatic cell nuclear transfer derived embryos at low oxygen tension. <i>Molecular Reproduction and Development</i> , 2020, 87, 773-782.	1.0	5
553	Argonaute binding within 3' untranslated regions poorly predicts gene repression. <i>Nucleic Acids Research</i> , 2020, 48, 7439-7453.	6.5	31
554	Dynamic rewiring of the human interactome by interferon signaling. <i>Genome Biology</i> , 2020, 21, 140.	3.8	25
555	Can We Assume the Gene Expression Profile as a Proxy for Signaling Network Activity?. <i>Biomolecules</i> , 2020, 10, 850.	1.8	8
556	Is aquaporin 3 involved in water permeability changes in the killifish during hypoxia and normoxic recovery, in freshwater or seawater?. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2020, 333, 511-525.	0.9	10
557	Cholinergic receptors on intestine cells of <i>Ascaris suum</i> and activation of nAChRs by levamisole. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 13, 38-50.	1.4	7
558	RXR Expression in Marine Gastropods with Different Sensitivity to Imposex Development. <i>Scientific Reports</i> , 2020, 10, 9507.	1.6	12
559	A Neuroprotective Dose of Isatin Causes Multilevel Changes Involving the Brain Proteome: Prospects for Further Research. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4187.	1.8	20
560	Resolving Metabolic Heterogeneity in Experimental Models of the Tumor Microenvironment from a Stable Isotope Resolved Metabolomics Perspective. <i>Metabolites</i> , 2020, 10, 249.	1.3	9
561	Effects of short-term high-intensity interval and continuous exercise training on body composition and cardiac function in obese sarcopenic rats. <i>Life Sciences</i> , 2020, 256, 117920.	2.0	8
562	Regulation of Ascorbate Accumulation and Metabolism in Lettuce by the Red:Blue Ratio of Continuous Light Using LEDs. <i>Frontiers in Plant Science</i> , 2020, 11, 704.	1.7	39
563	Systems Virology and Human Cytomegalovirus: Using High Throughput Approaches to Identify Novel Host-Virus Interactions During Lytic Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 280.	1.8	6

#	ARTICLE	IF	CITATIONS
564	Regulatory Nucleotide Sequence Signals for Expression of the Genes Encoding Ribosomal Proteins. <i>Frontiers in Genetics</i> , 2020, 11, 501.	1.1	6
565	Isoform-resolved correlation analysis between mRNA abundance regulation and protein level degradation. <i>Molecular Systems Biology</i> , 2020, 16, e9170.	3.2	42
566	Edgetic perturbation signatures represent known and novel cancer biomarkers. <i>Scientific Reports</i> , 2020, 10, 4350.	1.6	5
567	Mass-spectrometry-based draft of the Arabidopsis proteome. <i>Nature</i> , 2020, 579, 409-414.	13.7	328
568	Quantitative Proteomics Identifies Metabolic Pathways Affected by Babesia Infection and Blood Feeding in the Sialoproteome of the Vector Rhipicephalus bursa. <i>Vaccines</i> , 2020, 8, 91.	2.1	7
569	Spatiotemporal Changes of Cerebral Monocarboxylate Transporter 8 Expression. <i>Thyroid</i> , 2020, 30, 1366-1383.	2.4	22
570	Recombinant expression, characterization, and quantification in human cancer cell lines of the Anaplastic Large-Cell Lymphoma-characteristic NPM-ALK fusion protein. <i>Scientific Reports</i> , 2020, 10, 5078.	1.6	2
571	Magnesium-Dependent Promotion of H ₂ O ₂ Production Increases Ecological Competitiveness of Oral Commensal Streptococci. <i>Journal of Dental Research</i> , 2020, 99, 847-854.	2.5	16
572	Viral Infection and Stress Affect Protein Levels of Dicer 2 and Argonaute 2 in Drosophila melanogaster. <i>Frontiers in Immunology</i> , 2020, 11, 362.	2.2	7
573	An Analytically and Diagnostically Sensitive RNA Extraction and RT-qPCR Protocol for Peripheral Blood Mononuclear Cells. <i>Frontiers in Immunology</i> , 2020, 11, 402.	2.2	10
574	An Integrated Meta-Analysis of Secretome and Proteome Identify Potential Biomarkers of Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , 2020, 12, 716.	1.7	21
575	Differentiation of Human Mesenchymal Stem Cells from Wharton's Jelly Towards Neural Stem Cells Using a Feasible and Repeatable Protocol. <i>Cells</i> , 2020, 9, 739.	1.8	24
576	Design and evaluation of biological gate circuits and their therapeutic applications in a model of multidrug resistant cancers. <i>Biotechnology Letters</i> , 2020, 42, 1419-1429.	1.1	6
577	Pumilio proteins utilize distinct regulatory mechanisms to achieve complementary functions required for pluripotency and embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7851-7862.	3.3	26
578	Building blocks are synthesized on demand during the yeast cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7575-7583.	3.3	32
579	Yin Zhi Huang, a traditional Chinese herbal formula, ameliorates diet-induced obesity and hepatic steatosis by activating the AMPK/SREBP-1 and the AMPK/ACC/CPT1A pathways. <i>Annals of Translational Medicine</i> , 2020, 8, 231-231.	0.7	20
580	Proteomic and interactomic insights into the molecular basis of cell functional diversity. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 327-340.	16.1	156
581	RapidAIM: a culture- and metaproteomics-based Rapid Assay of Individual Microbiome responses to drugs. <i>Microbiome</i> , 2020, 8, 33.	4.9	209

#	ARTICLE	IF	CITATIONS
582	The role of REST/NRSF, TrkB and BDNF in neurobiological mechanisms of different susceptibility to seizure in a PTZ model of epilepsy. <i>Brain Research Bulletin</i> , 2020, 158, 108-115.	1.4	12
583	Probe Signal Values in mRNA Arrays Imply an Excessive Involvement of Neutrophil FCGR1 in Tuberculosis. <i>Frontiers in Medicine</i> , 2020, 7, 19.	1.2	1
584	Spatial and Pregnancy-Related Changes in the Protein, Amino Acid, and Carbohydrate Composition of Bovine Oviduct Fluid. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1681.	1.8	17
585	Omics technologies for kidney disease research. <i>Anatomical Record</i> , 2020, 303, 2729-2742.	0.8	6
586	Remodeling process in bone of aged rats in response to resistance training. <i>Life Sciences</i> , 2020, 256, 118008.	2.0	7
587	Adaptation of rat fast-twitch muscle to endurance activity is underpinned by changes to protein degradation as well as protein synthesis. <i>FASEB Journal</i> , 2020, 34, 10398-10417.	0.2	16
588	Studies on Bd0934 and Bd3507, Two Secreted Nucleases from <i>Bdellovibrio bacteriovorus</i> , Reveal Sequential Release of Nucleases during the Predatory Cycle. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	3
589	Glutamyl-Prolyl-tRNA Synthetase Regulates Proline-Rich Pro-Fibrotic Protein Synthesis During Cardiac Fibrosis. <i>Circulation Research</i> , 2020, 127, 827-846.	2.0	51
590	Temporal Dynamics and Heterogeneity of Cell Populations during Skeletal Muscle Regeneration. <i>IScience</i> , 2020, 23, 100993.	1.9	151
591	Automated Coupling of Nanodroplet Sample Preparation with Liquid Chromatography-Mass Spectrometry for High-Throughput Single-Cell Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 10588-10596.	3.2	105
592	Investigation of GluA1 and GluA2 AMPA receptor subtype distribution in the hippocampus and anterior cingulate cortex of Long Evans rats during development. <i>IBRO Reports</i> , 2020, 8, 91-100.	0.3	8
593	Combined TLR4 and TLR9 agonists induce distinct phenotypic changes in innate immunity in vitro and in vivo. <i>Cellular Immunology</i> , 2020, 355, 104149.	1.4	8
594	What CHO is made of: Variations in the biomass composition of Chinese hamster ovary cell lines. <i>Metabolic Engineering</i> , 2020, 61, 288-300.	3.6	46
595	Proteomics and Metaproteomics Add Functional, Taxonomic and Biomass Dimensions to Modeling the Ecosystem at the Mucosal-luminal Interface. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1409-1417.	2.5	13
596	Brain-derived neurotrophic factor modulates mitochondrial dynamics and thermogenic phenotype on 3T3-L1 adipocytes. <i>Tissue and Cell</i> , 2020, 66, 101388.	1.0	10
597	Mass cytometry and type 1 diabetes research in the age of single-cell data science. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2020, 27, 231-239.	1.2	6
598	Accurate and Sensitive Quantitation of the Dynamic Heat Shock Proteome Using Tandem Mass Tags. <i>Journal of Proteome Research</i> , 2020, 19, 1183-1195.	1.8	9
599	Identification of Cancer Stem Cell Subpopulations in Head and Neck Metastatic Malignant Melanoma Cells, 2020, 9, 324.	1.8	20

#	ARTICLE	IF	CITATIONS
600	Purpuric drug eruptions induced by EGFR tyrosine kinase inhibitors are associated with IQGAP1-mediated increase in vascular permeability. <i>Journal of Pathology</i> , 2020, 250, 452-463.	2.1	7
601	Phosphorylation Time-Course Study of the Response during Adenovirus Type 2 Infection. <i>Proteomics</i> , 2020, 20, e1900327.	1.3	4
602	Microfluidic Immunoassays for Time-Resolved Measurement of Protein Secretion from Single Cells. <i>Annual Review of Analytical Chemistry</i> , 2020, 13, 67-84.	2.8	10
603	Elucidating the mechanism of action of alpha-1-antitrypsin using retinal pigment epithelium cells exposed to high glucose. Potential use in diabetic retinopathy. <i>PLoS ONE</i> , 2020, 15, e0228895.	1.1	21
604	Functional omics analyses reveal only minor effects of microRNAs on human somatic stem cell differentiation. <i>Scientific Reports</i> , 2020, 10, 3284.	1.6	9
605	Ribosome and Translational Control in Stem Cells. <i>Cells</i> , 2020, 9, 497.	1.8	66
606	How to interpret and integrate multi-omics data at systems level. <i>Animal Cells and Systems</i> , 2020, 24, 1-7.	0.8	23
607	Pathway-guided analysis identifies Myc-dependent alternative pre-mRNA splicing in aggressive prostate cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5269-5279.	3.3	44
608	Multimiomics Substrates of Resistance to Emerging Pathogens? Transcriptome and Proteome Profile of a Vancomycin-Resistant <i>Enterococcus faecalis</i> Clinical Strain. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 81-95.	1.0	3
609	Safe nanoengineering and incorporation of transplant populations in a neurosurgical grade biomaterial, DuraGen Plus™, for protected cell therapy applications. <i>Journal of Controlled Release</i> , 2020, 321, 553-563.	4.8	7
610	Type 1 Interferon Responses Underlie Tumor-Selective Replication of Oncolytic Measles Virus. <i>Molecular Therapy</i> , 2020, 28, 1043-1055.	3.7	18
611	Combinatorial degradomics: Precision tools to unveil proteolytic processes in biological systems. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140392.	1.1	20
612	Ecotoxicological effects of petroleum-contaminated soil on the earthworm <i>Eisenia fetida</i> . <i>Journal of Hazardous Materials</i> , 2020, 393, 122384.	6.5	51
613	Regulation of Proteins in Human Skeletal Muscle: The Role of Transcription. <i>Scientific Reports</i> , 2020, 10, 3514.	1.6	22
614	Desiccation tolerance in streptophyte algae and the algae to land plant transition: evolution of LEA and MIP protein families within the Viridiplantae. <i>Journal of Experimental Botany</i> , 2020, 71, 3270-3278.	2.4	23
615	Network Properties of Cancer Prognostic Gene Signatures in the Human Protein Interactome. <i>Genes</i> , 2020, 11, 247.	1.0	0
616	Inflammatory Infiltrate and Angiogenesis in Mantle Cell Lymphoma. <i>Translational Oncology</i> , 2020, 13, 100744.	1.7	11
617	Accumulation of DNA methylation alterations in paediatric glioma stem cells following fractionated dose irradiation. <i>Clinical Epigenetics</i> , 2020, 12, 26.	1.8	11

#	ARTICLE	IF	CITATIONS
618	Regulation of trehalose, a typical stress protectant, on central metabolisms, cell growth and division of <i>Saccharomyces cerevisiae</i> CEN.PK113-7D. <i>Food Microbiology</i> , 2020, 89, 103459.	2.1	14
619	OCIAD1 contributes to neurodegeneration in Alzheimer's disease by inducing mitochondria dysfunction, neuronal vulnerability and synaptic damages. <i>EBioMedicine</i> , 2020, 51, 102569.	2.7	10
620	Pioglitazone Increases Bloodâ€“Brain Barrier Expression of Fatty Acid-Binding Protein 5 and Docosahexaenoic Acid Trafficking into the Brain. <i>Molecular Pharmaceutics</i> , 2020, 17, 873-884.	2.3	13
621	Tunable light and drug induced depletion of target proteins. <i>Nature Communications</i> , 2020, 11, 304.	5.8	29
622	Quantitative Proteomics of the Cancer Cell Line Encyclopedia. <i>Cell</i> , 2020, 180, 387-402.e16.	13.5	596
623	Glucose metabolism in brown adipose tissue determined by deuterium metabolic imaging in rats. <i>International Journal of Obesity</i> , 2020, 44, 1417-1427.	1.6	23
624	Statistical Modelling and Machine Learning Principles for Bioinformatics Techniques, Tools, and Applications. <i>Algorithms for Intelligent Systems</i> , 2020, , .	0.5	5
625	Effects of Dietary Iron Concentration on Manganese Utilization in Broilers Fed with Manganese-Lysine Chelate-Supplemented Diet. <i>Biological Trace Element Research</i> , 2020, 198, 231-242.	1.9	4
626	Effects of <i>Enteromyxum</i> spp. (Myxozoa) infection in the regulation of intestinal Eâ€“cadherin: Turbot against gilthead sea bream. <i>Journal of Fish Diseases</i> , 2020, 43, 337-346.	0.9	9
627	Unpicking the proteome in single cells. <i>Science</i> , 2020, 367, 512-513.	6.0	125
628	Emerging technologies to study glial cells. <i>Glia</i> , 2020, 68, 1692-1728.	2.5	32
629	Surface protein imputation from single cell transcriptomes by deep neural networks. <i>Nature Communications</i> , 2020, 11, 651.	5.8	47
630	Lycopene and bone: an inâ€“vitro investigation and a pilot prospective clinical study. <i>Journal of Translational Medicine</i> , 2020, 18, 43.	1.8	31
631	The RNA-Binding Protein ATXN2 is Expressed during Megakaryopoiesis and May Control Timing of Gene Expression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 967.	1.8	8
632	Reconstructing the blood metabolome and genotype using long-range chromatin interactions. <i>Metabolism Open</i> , 2020, 6, 100035.	1.4	6
633	Primary Human Osteoblasts Cultured in a 3D Microenvironment Create a Unique Representative Model of Their Differentiation Into Osteocytes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 336.	2.0	42
635	Distinct influence of the anthracycline derivative doxorubicin on the differentiation efficacy of mESC-derived endothelial progenitor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118711.	1.9	6
636	Neuroprotective modulation of microglia effector functions following priming with interleukin 4 and 13: current limitations in understanding their mode-of-action. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 856-866.	2.0	30

#	ARTICLE	IF	CITATIONS
637	The translational landscape of ground state pluripotency. <i>Nature Communications</i> , 2020, 11, 1617.	5.8	18
638	Cell Cycle Profiling Reveals Protein Oscillation, Phosphorylation, and Localization Dynamics. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 608-623.	2.5	22
639	Recovery of Tendon Characteristics by Inhibition of Aberrant Differentiation of Tendon-Derived Stem Cells from Degenerative Tendinopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2687.	1.8	4
640	RNA methyltransferase NSUN2 promotes gastric cancer cell proliferation by repressing p57Kip2 by an m5C-dependent manner. <i>Cell Death and Disease</i> , 2020, 11, 270.	2.7	90
641	Non-translational Connections of eEF1B in the Cytoplasm and Nucleus of Cancer Cells. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 56.	1.6	7
642	The Mitochondrial Protein VDAC1 at the Crossroads of Cancer Cell Metabolism: The Epigenetic Link. <i>Cancers</i> , 2020, 12, 1031.	1.7	21
643	Proteome alterations associated with the oleic acid and cis-9, trans-11 conjugated linoleic acid content in bovine skeletal muscle. <i>Journal of Proteomics</i> , 2020, 222, 103792.	1.2	2
644	Absolute Quantification of Transcription Factors Reveals Principles of Gene Regulation in Erythropoiesis. <i>Molecular Cell</i> , 2020, 78, 960-974.e11.	4.5	83
645	Quantitative proteomics characterization of acutely isolated primary adult rat cardiomyocytes and fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 143, 63-70.	0.9	9
646	Multi-omics systems toxicology study of mouse lung assessing the effects of aerosols from two heat-not-burn tobacco products and cigarette smoke. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1056-1073.	1.9	25
647	Epithelial stem cell marker LGR6 expression identifies a low-risk subgroup in human papillomavirus positive oropharyngeal squamous cell carcinoma. <i>Oral Oncology</i> , 2020, 105, 104657.	0.8	4
648	Emerging proteomic approaches to identify the underlying pathophysiology of neurodevelopmental and neurodegenerative disorders. <i>Molecular Autism</i> , 2020, 11, 27.	2.6	15
649	Establishment of an in Vitro Human Blood-Brain Barrier Model Derived from Induced Pluripotent Stem Cells and Comparison to a Porcine Cell-Based System. <i>Cells</i> , 2020, 9, 994.	1.8	28
650	Proteogenomic Characterization of Ovarian HGSC Implicates Mitotic Kinases, Replication Stress in Observed Chromosomal Instability. <i>Cell Reports Medicine</i> , 2020, 1, 100004.	3.3	46
651	Online informatics resources to facilitate cancer target and chemical probe discovery. <i>RSC Medicinal Chemistry</i> , 2020, 11, 611-624.	1.7	3
652	Cytokine mRNA and protein expression by cell cultures of epithelial ovarian cancer—Methodological considerations on the choice of analytical method for cytokine analyses. <i>American Journal of Reproductive Immunology</i> , 2020, 84, e13249.	1.2	16
653	Genes encoding equine Î²-lactoglobulin (LGB1 and LGB2): Polymorphism, expression, and impact on milk composition. <i>PLoS ONE</i> , 2020, 15, e0232066.	1.1	10
654	TCF 4 tumor suppressor: a molecular target in the prognosis of sporadic colorectal cancer in humans. <i>Cellular and Molecular Biology Letters</i> , 2020, 25, 24.	2.7	8

#	ARTICLE	IF	CITATIONS
655	4E-BPâ€‘Dependent Translational Control of Irf8 Mediates Adipose Tissue Macrophage Inflammatory Response. <i>Journal of Immunology</i> , 2020, 204, 2392-2400.	0.4	11
656	Nucleotide binding domain and leucine-rich repeat pyrin domain-containing protein 12: characterization of its binding to hematopoietic cell kinase. <i>International Journal of Biological Sciences</i> , 2020, 16, 1507-1525.	2.6	4
657	Ryanodine receptor subtypes regulate Ca ²⁺ sparks/spontaneous transient outward currents and myogenic tone of uterine arteries in pregnancy. <i>Cardiovascular Research</i> , 2021, 117, 792-804.	1.8	9
658	Laryngotracheal Mucosal Surface Expression of Candidate Biomarkers in Idiopathic Subglottic Stenosis. <i>Laryngoscope</i> , 2021, 131, 342-349.	1.1	7
659	RNA contributions to the form and function of biomolecular condensates. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 183-195.	16.1	353
660	Analysis of Ras-effector interaction competition in large intestine and colorectal cancer context. <i>Small GTPases</i> , 2021, 12, 209-225.	0.7	14
661	Modulation of Bax and Bcl-2 genes by secondary metabolites produced by <i>Penicillium rubens</i> JGIPR9 causes the apoptosis of cancer cell lines. <i>Mycology</i> , 2021, 12, 69-81.	2.0	8
662	Temporal Quantitative Profiling of Newly Synthesized Proteins during AÎ² Accumulation. <i>Journal of Proteome Research</i> , 2021, 20, 763-775.	1.8	9
663	The Secretome landscape of <i>Escherichia coli</i> O157:H7: Deciphering the cell-surface, outer membrane vesicle and extracellular subproteomes. <i>Journal of Proteomics</i> , 2021, 232, 104025.	1.2	8
664	RNA sequencing and Immunohistochemistry Reveal ZFN7 as a Stronger Marker of Survival than Molecular Subtypes in G-CIMPâ€‘negative Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 645-655.	3.2	5
665	Deciphering cellâ€‘cell interactions and communication from gene expression. <i>Nature Reviews Genetics</i> , 2021, 22, 71-88.	7.7	575
666	Robust Dopaminergic Differentiation and Enhanced LPS-Induced Neuroinflammatory Response in Serum-Deprived Human SH-SY5Y Cells: Implication for Parkinsonâ€™s Disease. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 565-582.	1.1	4
667	Cell Surface Protein mRNAs Show Differential Transcription in Pyramidal and Fast-Spiking Cells as Revealed by Single-Cell Sequencing. <i>Cerebral Cortex</i> , 2021, 31, 731-745.	1.6	5
668	Serial blood cytokine and chemokine mRNA and microRNA over 48â€‘h are insult specific in a piglet model of inflammation-sensitized hypoxiaâ€‘ischaemia. <i>Pediatric Research</i> , 2021, 89, 464-475.	1.1	4
669	EZH2 knockdown in tamoxifen-resistant MCF-7 cells unravels novel targets for regaining sensitivity towards tamoxifen. <i>Breast Cancer</i> , 2021, 28, 355-367.	1.3	5
670	The tissue proteome in the multi-omic landscape of kidney disease. <i>Nature Reviews Nephrology</i> , 2021, 17, 205-219.	4.1	31
671	FuSe: a tool to move RNA-Seq analyses from chromosomal/gene loci to functional grouping of mRNA transcripts. <i>Bioinformatics</i> , 2021, 37, 375-381.	1.8	2
672	Multi-omics analysis suggests enhanced epileptogenesis in the Cornu Ammonis 3 of the pilocarpine model of mesial temporal lobe epilepsy. <i>Hippocampus</i> , 2021, 31, 122-139.	0.9	18

#	ARTICLE	IF	CITATIONS
673	Size effects of microplastics on accumulation and elimination of phenanthrene in earthworms. <i>Journal of Hazardous Materials</i> , 2021, 403, 123966.	6.5	75
674	<i>PCBP2</i> Posttranscriptional Modifications Induce Breast Cancer Progression via Upregulation of UFD1 and NT5E. <i>Molecular Cancer Research</i> , 2021, 19, 86-98.	1.5	13
675	Non-viral, direct neuronal reprogramming from human fibroblast using a polymer-functionalized nanodot. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 32, 102316.	1.7	5
676	The prognostic significance of interferon-stimulated gene 15 (ISG15) in invasive breast cancer. <i>Breast Cancer Research and Treatment</i> , 2021, 185, 293-305.	1.1	26
677	Administration of silver nanoparticles affects ovarian steroidogenesis and may influence thyroid hormone metabolism in hens (<i>Gallus domesticus</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111427.	2.9	13
678	Ensemble learning models that predict surface protein abundance from single-cell multimodal omics data. <i>Methods</i> , 2021, 189, 65-73.	1.9	13
679	Compressive force strengthened the pro-inflammatory effect of zoledronic acid on il-1 β stimulated human periodontal fibroblasts. <i>Clinical Oral Investigations</i> , 2021, 25, 3453-3461.	1.4	2
680	Camphorquinone alters the expression of extracellular proteases in a 3D co-culture model of the oral mucosa. <i>Dental Materials</i> , 2021, 37, 236-248.	1.6	1
681	Systems biology approaches to study lipidomes in health and disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158857.	1.2	31
682	Comparison of protein and peptide fractionation approaches in protein identification and quantification from <i>Saccharomyces cerevisiae</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1162, 122453.	1.2	4
683	Global and Site-Specific Effect of Phosphorylation on Protein Turnover. <i>Developmental Cell</i> , 2021, 56, 111-124.e6.	3.1	57
684	Transcriptomic profiling of fetal membranes of mice deficient in biglycan and decorin as a model of preterm birth. <i>Biology of Reproduction</i> , 2021, 104, 611-623.	1.2	3
685	Jekyll and Hyde: Activating the Hypoxic Translational Machinery. <i>Trends in Biochemical Sciences</i> , 2021, 46, 171-174.	3.7	7
686	NECAB1 and NECAB2 are Prevalent Calcium-Binding Proteins of CB1/CCK-Positive GABAergic Interneurons. <i>Cerebral Cortex</i> , 2021, 31, 1786-1806.	1.6	18
687	Lung and Kidney ACE2 and TMPRSS2 in Renin-Angiotensin System Blocker-Treated Comorbid Diabetic Mice Mimicking Host Factors That Have Been Linked to Severe COVID-19. <i>Diabetes</i> , 2021, 70, 759-771.	0.3	18
688	Mechanisms for the stimulatory effects of a five-component mixture of antibiotics in <i>Microcystis aeruginosa</i> at transcriptomic and proteomic levels. <i>Journal of Hazardous Materials</i> , 2021, 406, 124722.	6.5	41
689	The m6A methyltransferase METTL14 inhibits the proliferation, migration, and invasion of gastric cancer by regulating the PI3K/AKT/mTOR signaling pathway. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e23655.	0.9	50
690	Transcription factors CP2 and YY1 as prognostic markers in head and neck squamous cell carcinoma: analysis of The Cancer Genome Atlas and a second independent cohort. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 755-765.	1.2	8

#	ARTICLE	IF	CITATIONS
691	CD44v3-Positive Intermediate Progenitor Cells Contribute to Airway Goblet Cell Hyperplasia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 247-259.	1.4	5
692	Enhancement of osteoblast differentiation using poly(ethylene sodium phosphate). <i>Materialia</i> , 2021, 15, 100977.	1.3	6
693	Recent advances in single-cell multimodal analysis to study immune cells. <i>Immunology and Cell Biology</i> , 2021, 99, 157-167.	1.0	4
694	Sex- and cell-dependent contribution of peripheral high mobility group box 1 and TLR4 in arthritis-induced pain. <i>Pain</i> , 2021, 162, 459-470.	2.0	29
695	Resveratrol and insulin association reduced alveolar bone loss and produced an antioxidant effect in diabetic rats. <i>Journal of Periodontology</i> , 2021, 92, 748-759.	1.7	10
696	Embryo-Like Features in Developing <i>Bacillus subtilis</i> Biofilms. <i>Molecular Biology and Evolution</i> , 2021, 38, 31-47.	3.5	25
697	Protein Synthesis and Translational Control in Neural Stem Cell Development and Neurogenesis. , 0, , 397-424.		4
698	AMPK differentially alters sulphated glycosaminoglycans under normal and high glucose milieu in proximal tubular cells. <i>Journal of Biochemistry</i> , 2021, 169, 75-86.	0.9	7
699	Immunogenic necroptosis in the anti-tumor photodynamic action of BAM-SiPc, a silicon(IV) phthalocyanine-based photosensitizer. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 485-495.	2.0	10
700	Association between rs174537 <i>FADS1</i> polymorphism and immune cell profiles in abdominal and femoral subcutaneous adipose tissue: an exploratory study in adults with obesity. <i>Adipocyte</i> , 2021, 10, 124-130.	1.3	3
703	Bioreducible, arginine-rich polydisulfide-based siRNA nanocomplexes with excellent tumor penetration for efficient gene silencing. <i>Biomaterials Science</i> , 2021, 9, 5275-5292.	2.6	10
704	Evolutionary history of cotranscriptional editing in the paramyxoviral phosphoprotein gene. <i>Virus Evolution</i> , 2021, 7, veab028.	2.2	18
705	Elucidation of host-virus surfaceome interactions using spatial proteotyping. <i>Advances in Virus Research</i> , 2021, 109, 105-134.	0.9	4
706	Extrinsic Regulators of mRNA Translation in Developing Brain: Story of WNTs. <i>Cells</i> , 2021, 10, 253.	1.8	3
707	Single-Cell Sequencing of Brain Cell Transcriptomes and Epigenomes. <i>Neuron</i> , 2021, 109, 11-26.	3.8	135
708	Causal network inference from gene transcriptional time-series response to glucocorticoids. <i>PLoS Computational Biology</i> , 2021, 17, e1008223.	1.5	20
709	Prognostic impact of tumor-specific insulin-like growth factor binding protein 7 (IGFBP7) levels in breast cancer: a prospective cohort study. <i>Carcinogenesis</i> , 2021, 42, 1314-1325.	1.3	8
710	The Road to Effective Cancer Immunotherapy—A Computational Perspective on Tumor Epitopes in Anti-Cancer Immunotherapy. , 2021, , 593-607.		0

#	ARTICLE	IF	CITATIONS
711	Single-cell transcriptomics following ischemic injury identifies a role for B2M in cardiac repair. <i>Communications Biology</i> , 2021, 4, 146.	2.0	41
713	A temporally resolved transcriptome for developing <i>Xenopus laevis</i> dorsal marginal zone. <i>Developmental Dynamics</i> , 2021, 250, 717-731.	0.8	5
714	Water as a reactant in the differential expression of proteins in cancer. <i>Computational and Systems Oncology</i> , 2021, 1, e1007.	1.1	6
715	Genetic regulation of liver lipids in a mouse model of insulin resistance and hepatic steatosis. <i>Molecular Systems Biology</i> , 2021, 17, e9684.	3.2	16
716	Single-Cell Multiomics Analysis Reveals Heterogeneous Cell States Linked to Metastatic Potential in Liver Cancer Cell Lines. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
717	Subcellular sequencing of single neurons reveals the dendritic transcriptome of GABAergic interneurons. <i>ELife</i> , 2021, 10, .	2.8	48
718	Combined STING levels and CD103+ T cell infiltration have significant prognostic implications for patients with cervical cancer. <i>OncImmunity</i> , 2021, 10, 1936391.	2.1	9
719	Codon Resolution Analysis of Ribosome Profiling Data. <i>Methods in Molecular Biology</i> , 2021, 2252, 251-268.	0.4	5
720	MicroRNA-494-3p inhibits formation of fast oxidative muscle fibres by targeting E1A-binding protein p300 in human-induced pluripotent stem cells. <i>Scientific Reports</i> , 2021, 11, 1161.	1.6	2
723	Decreased Expression of EC-SOD and Fibulin-5 in Alveolar Walls of Lungs From COPD Patients. <i>Archivos De Bronconeumologia</i> , 2021, , .	0.4	3
724	Deciphering cell-type specific signal transduction in the brain: Challenges and promises. <i>Advances in Pharmacology</i> , 2021, 90, 145-171.	1.2	0
725	Imaging the future: the emerging era of single-cell spatial proteomics. <i>FEBS Journal</i> , 2021, 288, 6990-7001.	2.2	26
726	A Picture Worth a Thousand Molecules—Integrative Technologies for Mapping Subcellular Molecular Organization and Plasticity in Developing Circuits. <i>Frontiers in Synaptic Neuroscience</i> , 2020, 12, 615059.	1.3	4
727	Identification of key candidate biomarkers for severe influenza infection by integrated bioinformatical analysis and initial clinical validation. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 1725-1738.	1.6	9
728	Ligand-dependent tRNA processing by a rationally designed RNase P riboswitch. <i>Nucleic Acids Research</i> , 2021, 49, 1784-1800.	6.5	4
729	Concepts No Membrane, No Problem: Cellular Organization by Biomolecular Condensates. , 2021, , 113-133.		0
730	Multi-omics approaches in cancer research with applications in tumor subtyping, prognosis, and diagnosis. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 949-960.	1.9	111
731	DEXOM: Diversity-based enumeration of optimal context-specific metabolic networks. <i>PLoS Computational Biology</i> , 2021, 17, e1008730.	1.5	7

#	ARTICLE	IF	CITATIONS
733	Proteomics analysis of the hypothalamus in spontaneously hypertensive rats treated with twirling reinforcing manipulation, twirling reducing manipulation or electroacupuncture. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 381.	0.8	3
735	Protein Adsorption on Surfaces Functionalized with COOH Groups Promotes Anti-inflammatory Macrophage Responses. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7021-7036.	4.0	17
737	Association of RERG Expression with Female Survival Advantage in Malignant Pleural Mesothelioma. <i>Cancers</i> , 2021, 13, 565.	1.7	3
738	BoxCarmax: A High-Selectivity Data-Independent Acquisition Mass Spectrometry Method for the Analysis of Protein Turnover and Complex Samples. <i>Analytical Chemistry</i> , 2021, 93, 3103-3111.	3.2	24
739	Comprehensive characterization of protein-protein interactions perturbed by disease mutations. <i>Nature Genetics</i> , 2021, 53, 342-353.	9.4	109
740	Joint probabilistic modeling of single-cell multi-omic data with totalVI. <i>Nature Methods</i> , 2021, 18, 272-282.	9.0	246
741	Melatonin confers heavy metal-induced tolerance by alleviating oxidative stress and reducing the heavy metal accumulation in <i>Exophiala pisciphila</i> , a dark septate endophyte (DSE). <i>BMC Microbiology</i> , 2021, 21, 40.	1.3	30
742	Innate Immune Responses of <i>Galleria mellonella</i> to <i>Mycobacterium bovis</i> BCG Challenge Identified Using Proteomic and Molecular Approaches. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 619981.	1.8	10
743	Hypoxia-Induced LIN28A mRNA Promotes the Metastasis of Colon Cancer in a Protein-Coding-Independent Manner. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 642930.	1.8	3
744	A Novel Protein from <i>Ectocarpus</i> sp. Improves Salinity and High Temperature Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1971.	1.8	4
745	New genetic prognostic biomarkers in primary central nervous system lymphoma (PCNSL). <i>Brain and Behavior</i> , 2021, 11, e02061.	1.0	8
746	Cell-to-cell variation in gene expression and the aging process. <i>GeroScience</i> , 2021, 43, 181-196.	2.1	16
747	Time-Resolved scRNA-Seq Tracks the Adaptation of a Sensitive MCL Cell Line to Ibrutinib Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2276.	1.8	4
748	A Trans-Omics Comparison Reveals Common Gene Expression Strategies in Four Model Organisms and Exposes Similarities and Differences between Them. <i>Cells</i> , 2021, 10, 334.	1.8	4
749	Targeted Delivery of Gene Silencing in Fungi Using Genetically Engineered Bacteria. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 125.	1.5	11
750	Homeostatic plasticity and burst activity are mediated by hyperpolarization-activated cation currents and T-type calcium channels in neuronal cultures. <i>Scientific Reports</i> , 2021, 11, 3236.	1.6	22
751	Transcriptomic Changes Associated with Loss of Cell Viability Induced by Oxysterol Treatment of a Retinal Photoreceptor-Derived Cell Line: An In Vitro Model of Smith-Lemli-Opitz Syndrome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2339.	1.8	2
752	FAM19A (TAFYA): An Emerging Family of Neurokinins with Diverse Functions in the Central and Peripheral Nervous System. <i>ACS Chemical Neuroscience</i> , 2021, 12, 945-958.	1.7	13

#	ARTICLE	IF	CITATIONS
753	Midkine is neuroprotective and influences glial reactivity and the formation of Müller glia-derived progenitor cells in chick and mouse retinas. <i>Glia</i> , 2021, 69, 1515-1539.	2.5	23
754	SWATH-MS Based Proteomic Profiling of Prostate Cancer Cells Reveals Adaptive Molecular Mechanisms in Response to Anti-Androgen Therapy. <i>Cancers</i> , 2021, 13, 715.	1.7	9
755	Monitoring casbene synthase in <i>Jatropha curcas</i> tissues using targeted proteomics. <i>Plant Methods</i> , 2021, 17, 15.	1.9	1
756	Comparative Cell Surface Proteomic Analysis of the Primary Human T Cell and Monocyte Responses to Type I Interferon. <i>Frontiers in Immunology</i> , 2021, 12, 600056.	2.2	7
758	Auxin-mediated protein depletion for metabolic engineering in terpene-producing yeast. <i>Nature Communications</i> , 2021, 12, 1051.	5.8	40
759	EDC3 phosphorylation regulates growth and invasion through controlling β -body formation and dynamics. <i>EMBO Reports</i> , 2021, 22, e50835.	2.0	17
760	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) as a Novel Regulator of Early Astroglial Differentiation. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 642521.	1.8	8
763	High Throughput Multi-Omics Approaches for Clinical Trial Evaluation and Drug Discovery. <i>Frontiers in Immunology</i> , 2021, 12, 590742.	2.2	32
764	Characterisation of novel regulatory sequences compatible with modular assembly in the diatom <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2021, 53, 102159.	2.4	11
765	Stemness-Associated Markers Are Expressed in Extracranial Arteriovenous Malformation. <i>Frontiers in Surgery</i> , 2021, 8, 621089.	0.6	6
766	A proteome signature for acute incisional pain in dorsal root ganglia of mice. <i>Pain</i> , 2021, 162, 2070-2086.	2.0	18
767	Groucho co-repressor proteins regulate β cell development and proliferation by repressing <i>Foxa1</i> in the developing mouse pancreas. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
768	Proteomic and transcriptomic profiling reveal different aspects of aging in the kidney. <i>ELife</i> , 2021, 10, .	2.8	62
770	Targeted genome editing of plants and plant cells for biomanufacturing. <i>Transgenic Research</i> , 2021, 30, 401-426.	1.3	29
771	Subtle Role for Adenylate Kinase 1 in Maintaining Normal Basal Contractile Function and Metabolism in the Murine Heart. <i>Frontiers in Physiology</i> , 2021, 12, 623969.	1.3	3
772	Proteomic/transcriptomic analysis of erythropoiesis. <i>Current Opinion in Hematology</i> , 2021, 28, 150-157.	1.2	5
773	Development of a Comprehensive Toxicity Pathway Model for 17 β -Ethinylestradiol in Early Life Stage Fathead Minnows (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2021, 55, 5024-5036.	4.6	13
774	miRNA-mediated loss of m6A increases nascent translation in glioblastoma. <i>PLoS Genetics</i> , 2021, 17, e1009086.	1.5	22

#	ARTICLE	IF	CITATIONS
775	A Comparative in Silico Analysis of CD24 ^{hi} 's Prognostic Value in Human and Canine Prostate Cancer. <i>Journal of Personalized Medicine</i> , 2021, 11, 232.	1.1	5
776	Spatially Resolved Mass Spectrometry at the Single Cell: Recent Innovations in Proteomics and Metabolomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 872-894.	1.2	158
777	Targeted molecular profiling of rare olfactory sensory neurons identifies fate, wiring, and functional determinants. <i>ELife</i> , 2021, 10, .	2.8	6
778	Selective Activation of CNS and Reference PPAR γ C1A Promoters Is Associated with Distinct Gene Programs Relevant for Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3296.	1.8	5
785	Translational remodeling by <i>RNA</i> -binding proteins and noncoding <i>RNAs</i> . <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1647.	3.2	23
786	Identification and Characterization of Alternatively Spliced Transcript Isoforms of IRX4 in Prostate Cancer. <i>Genes</i> , 2021, 12, 615.	1.0	4
788	The gut microbiome influences the bioavailability of olanzapine in rats. <i>EBioMedicine</i> , 2021, 66, 103307.	2.7	38
789	Current and Prospective Methods for Assessing Anti-Tumor Immunity in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4802.	1.8	6
792	Defects in translation-dependent quality control pathways lead to convergent molecular and neurodevelopmental pathology. <i>ELife</i> , 2021, 10, .	2.8	15
793	Single-Cell Sequencing Methodologies: From Transcriptome to Multi-Dimensional Measurement. <i>Small Methods</i> , 2021, 5, e2100111.	4.6	17
795	The landscape of metabolic pathway dependencies in cancer cell lines. <i>PLoS Computational Biology</i> , 2021, 17, e1008942.	1.5	9
796	Factors affecting the rapid changes of protein under short-term heat stress. <i>BMC Genomics</i> , 2021, 22, 263.	1.2	6
798	Tissue-specific modulation of gene expression in response to lowered insulin signalling in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	12
799	Arsenic exposure combined with nano- or microplastic induces different effects in the marine rotifer <i>Brachionus plicatilis</i> . <i>Aquatic Toxicology</i> , 2021, 233, 105772.	1.9	42
800	The relative abundance of wheat Rubisco activase isoforms is post-transcriptionally regulated. <i>Photosynthesis Research</i> , 2021, 148, 47-56.	1.6	14
801	Altered interaction between enteric glial cells and mast cells in the colon of women with irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14130.	1.6	12
802	Dodging COVID-19 infection: low expression and localization of ACE2 and TMPRSS2 in multiple donor-derived lines of human umbilical cord-derived mesenchymal stem cells. <i>Journal of Translational Medicine</i> , 2021, 19, 149.	1.8	14
803	Tracking pre-mRNA maturation across subcellular compartments identifies developmental gene regulation through intron retention and nuclear anchoring. <i>Genome Research</i> , 2021, 31, 1106-1119.	2.4	31

#	ARTICLE	IF	CITATIONS
804	An integrated landscape of protein expression in human cancer. <i>Scientific Data</i> , 2021, 8, 115.	2.4	38
805	Quantitative Proteomics Reveals the Dynamic Regulation of the Tomato Proteome in Response to <i>Phytophthora infestans</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 4174.	1.8	7
806	The Roots of Rye (<i>Secale cereale</i> L.) Are Capable of Synthesizing Benzoxazinoids. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4656.	1.8	1
807	Erosion of human X chromosome inactivation causes major remodeling of the iPSC proteome. <i>Cell Reports</i> , 2021, 35, 109032.	2.9	23
808	<i>miR-15a/16-1</i> deletion in activated B cells promotes plasma cell and mature B-cell neoplasms. <i>Blood</i> , 2021, 137, 1905-1919.	0.6	8
809	Quantitative proteomics reveals the antifungal effect of canthin-6-one isolated from <i>Ailanthus altissima</i> against <i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i> in vitro. <i>PLoS ONE</i> , 2021, 16, e0250712.	1.1	9
811	Mainstream Cigarette Smoke Impacts the Mouse Vocal Fold Epithelium and Mucus Barrier. <i>Laryngoscope</i> , 2021, 131, 2530-2539.	1.1	7
812	Pectin Induced Colony Expansion of Soil-Derived <i>Flavobacterium</i> Strains. <i>Frontiers in Microbiology</i> , 2021, 12, 651891.	1.5	14
813	Mapping the molecular and structural specialization of the skin basement membrane for inter-tissue interactions. <i>Nature Communications</i> , 2021, 12, 2577.	5.8	31
815	A combined approach for single-cell mRNA and intracellular protein expression analysis. <i>Communications Biology</i> , 2021, 4, 624.	2.0	64
816	Disentangling the aging gene expression network of termite queens. <i>BMC Genomics</i> , 2021, 22, 339.	1.2	10
817	Toxicological and physiological effects of successive exposure to ochratoxin A at food regulatory limits. <i>Food and Chemical Toxicology</i> , 2021, 151, 112128.	1.8	14
818	Gene and protein expression in human megakaryocytes derived from induced pluripotent stem cells. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1783-1799.	1.9	6
820	Expression and Prognostic Value of the Immune Checkpoints Galectin-9 and PD-L1 in Glioblastomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 541-551.	0.9	15
821	Expression profile of PU.1 in CD4+T cells from patients with systemic lupus erythematosus. <i>Clinical and Experimental Medicine</i> , 2021, 21, 621-632.	1.9	5
822	Maternal Morphine Exposure and Post-Weaning Social Isolation Impair Memory and Ventral Striatum Dopamine System in Male Offspring: Is an Enriched Environment Beneficial?. <i>Neuroscience</i> , 2021, 461, 80-90.	1.1	1
824	Selar (<i>Selar crumenophthalmus</i>) Fish Protein Hydrolysate Has Antidiabetic Properties Possibly through GLP-1. <i>Current Nutrition and Food Science</i> , 2021, 17, 516-522.	0.3	2
825	Two repeated motifs enriched within some enhancers and origins of replication are bound by SETMAR isoforms in human colon cells. <i>Genomics</i> , 2021, 113, 1589-1604.	1.3	5

#	ARTICLE	IF	CITATIONS
826	Predicting mean ribosome load for 5â€™UTR of any length using deep learning. <i>PLoS Computational Biology</i> , 2021, 17, e1008982.	1.5	17
827	Comparison of Cytokines in Skin Biopsies and Tape Strips from Adults with Atopic Dermatitis. <i>Dermatology</i> , 2021, 237, 940-945.	0.9	5
828	Poly (I:C)-Potentiated Vaccination Enhances T Cell Response in Olive Flounder (<i>Paralichthys olivaceus</i>) Providing Protection against Viral Hemorrhagic Septicemia Virus (VHSV). <i>Vaccines</i> , 2021, 9, 482.	2.1	6
829	Effects of Sub-Lethal High Pressure Homogenization Treatment on the Adhesion Mechanisms and Stress Response Genes in <i>Lactobacillus acidophilus</i> 08. <i>Frontiers in Microbiology</i> , 2021, 12, 651711.	1.5	5
831	A Tandem Mass Tags (TMTs) labeling approach highlights differences between the shoot proteome of two <i>Arabidopsis thaliana</i> ecotypes, Colâ€œ and Ws. <i>Proteomics</i> , 2021, 21, 2000293.	1.3	3
832	Integration of human whole-brain transcriptome and neuroimaging data: Practical considerations of current available methods. <i>Journal of Neuroscience Methods</i> , 2021, 355, 109128.	1.3	7
833	Expression of BCL6 in paediatric B-cell acute lymphoblastic leukaemia and association with prognosis. <i>Pathology</i> , 2021, 53, 875-882.	0.3	1
834	Quercetin and Isorhamnetin Attenuate Benzo[a]pyrene-Induced Toxicity by Modulating Detoxification Enzymes through the AhR and NRF2 Signaling Pathways. <i>Antioxidants</i> , 2021, 10, 787.	2.2	26
835	Multicohort Analysis Identifies Monocyte Gene Signatures to Accurately Monitor Subset-Specific Changes in Human Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 659255.	2.2	8
836	Codon Bias Can Determine Sorting of a Potassium Channel Protein. <i>Cells</i> , 2021, 10, 1128.	1.8	6
837	Overexpression of a single ORF can extend chronological lifespan in yeast if retrograde signaling and stress response are stimulated. <i>Biogerontology</i> , 2021, 22, 415-427.	2.0	4
838	Elastic Net Models Based on DNA Copy Number Variations Predicts Clinical Features, Expression Signatures, and Mutations in Lung Adenocarcinoma. <i>Frontiers in Genetics</i> , 2021, 12, 668040.	1.1	1
839	Chicken Heat Shock Protein 70 Is an Essential Host Protein for Infectious Bursal Disease Virus Infection In Vitro. <i>Pathogens</i> , 2021, 10, 664.	1.2	2
840	Altered Expression of Candidate Genes in Mayerâ€™Rokitanskyâ€™KÃ¼sterâ€™Hauser Syndrome May Influence Vaginal Keratinocytes Biology: A Focus on Protein Kinase X. <i>Biology</i> , 2021, 10, 450.	1.3	4
841	FBPAII and rpoBC, the Two Novel Secreted Proteins Identified by the Proteomic Approach from a Comparative Study between Antibiotic-Sensitive and Antibiotic-Resistant <i>Helicobacter pylori</i> -Associated Gastritis Strains. <i>Infection and Immunity</i> , 2021, 89, .	1.0	1
842	Perspectives in systems nephrology. <i>Cell and Tissue Research</i> , 2021, 385, 475-488.	1.5	7
843	From coarse to fine: the absolute <i>Escherichia coli</i> proteome under diverse growth conditions. <i>Molecular Systems Biology</i> , 2021, 17, e9536.	3.2	82
844	Importance of the 5â€™ regulatory region to bacterial synthetic biology applications. <i>Microbial Biotechnology</i> , 2021, 14, 2291-2315.	2.0	9

#	ARTICLE	IF	CITATIONS
845	PIKE-R2P: Protein-protein interaction network-based knowledge embedding with graph neural network for single-cell RNA to protein prediction. <i>BMC Bioinformatics</i> , 2021, 22, 139.	1.2	8
846	Global proteomic analyses of human cytotrophoblast differentiation/invasion. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
847	The pan-cancer lncRNA PLANE regulates an alternative splicing program to promote cancer pathogenesis. <i>Nature Communications</i> , 2021, 12, 3734.	5.8	33
849	Leveraging Novel Integrated Single-Cell Analyses to Define HIV-1 Latency Reversal. <i>Viruses</i> , 2021, 13, 1197.	1.5	3
850	Learning the Regulatory Code of Gene Expression. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 673363.	1.6	17
851	In Vitro Angiogenic Behavior of HUVECs on Biomimetic SF/SA Composite Scaffolds. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 456-464.	0.4	0
852	Shaping Immune Responses in the Tumor Microenvironment of Ovarian Cancer. <i>Frontiers in Immunology</i> , 2021, 12, 692360.	2.2	19
854	The Protein Landscape of Chronic Lymphocytic Leukemia (CLL). <i>Blood</i> , 2021, , .	0.6	17
855	The role of upstream open reading frames in translation regulation in the apicomplexan parasites <i>Plasmodium falciparum</i> and <i>Toxoplasma gondii</i> . <i>Parasitology</i> , 2021, 148, 1277-1287.	0.7	4
856	CD38 deficiency up-regulated IL-1 β and MCP-1 through TLR4/ERK/NF- κ B pathway in sepsis pulmonary injury. <i>Microbes and Infection</i> , 2021, 23, 104845.	1.0	6
857	Network medicine links SARS-CoV-2/COVID-19 infection to brain microvascular injury and neuroinflammation in dementia-like cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 110.	3.0	108
858	Antifibrotic and anthelmintic effect of casticin on <i>Schistosoma mansoni</i> -infected BALB/c mice. <i>Journal of Microbiology, Immunology and Infection</i> , 2022, 55, 314-322.	1.5	5
859	The underlying molecular mechanisms and prognostic factors of RNA binding protein in colorectal cancer: a study based on multiple online databases. <i>Cancer Cell International</i> , 2021, 21, 325.	1.8	2
860	A trans locus causes a ribosomopathy in hypertrophic hearts that affects mRNA translation in a protein length-dependent fashion. <i>Genome Biology</i> , 2021, 22, 191.	3.8	4
861	Perception of infection: disease-related social cues influence immunity in songbirds. <i>Biology Letters</i> , 2021, 17, 20210125.	1.0	16
862	Machine learning for perturbational single-cell omics. <i>Cell Systems</i> , 2021, 12, 522-537.	2.9	52
863	Resistance Exercise, Aging, Disuse, and Muscle Protein Metabolism. , 2021, 11, 2249-2278.		28
864	Making sense of <scp>mRNA</scp> landscapes: Translation control in neurodevelopment. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1674.	3.2	10

#	ARTICLE	IF	CITATIONS
865	Immunoreactive Response of Plast-MIPs to Fasting and Their Functional Role in the Reduction of Hemolymph Reducing Sugars in the Brown-Winged Green Bug, <i>Plautia stali</i> . <i>Zoological Science</i> , 2021, 38, 332-342.	0.3	0
867	Cross-Tissue Transcriptomic Analysis Leveraging Machine Learning Approaches Identifies New Biomarkers for Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2021, 12, 638066.	2.2	18
869	Surfactant protein C mutation links postnatal type 2 cell dysfunction to adult disease. <i>JCI Insight</i> , 2021, 6, .	2.3	11
870	Heat shock during in vitro maturation of bovine oocytes disturbs btaâ€miRâ€19b and DROSHA transcripts abundance after in vitro fertilization. <i>Reproduction in Domestic Animals</i> , 2021, 56, 1128-1136.	0.6	4
871	Apple Polyphenol Extract Improves High-Fat Diet-Induced Hepatic Steatosis by Regulating Bile Acid Synthesis and Gut Microbiota in C57BL/6 Male Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6829-6841.	2.4	34
872	Differential Action of Silver Nanoparticles on ABCB1 (MDR1) and ABCC1 (MRP1) Activity in Mammalian Cell Lines. <i>Materials</i> , 2021, 14, 3383.	1.3	7
873	Multi-omics integration reveals the hepatoprotective mechanisms of ursolic acid intake against chronic alcohol consumption. <i>European Journal of Nutrition</i> , 2022, 61, 115-126.	1.8	10
874	Prioritizing and characterizing functionally relevant genes across human tissues. <i>PLoS Computational Biology</i> , 2021, 17, e1009194.	1.5	4
875	Proteome-wide Association Study Provides Insights Into the Genetic Component of Protein Abundance in Psychiatric Disorders. <i>Biological Psychiatry</i> , 2021, 90, 781-789.	0.7	34
876	Quantitative neurogenetics: applications in understanding disease. <i>Biochemical Society Transactions</i> , 2021, 49, 1621-1631.	1.6	7
877	Beyond CGRP: The calcitonin peptide family as targets for migraine and pain. <i>British Journal of Pharmacology</i> , 2022, 179, 381-399.	2.7	32
878	Proteomics in the pharmaceutical and biotechnology industry: a look to the next decade. <i>Expert Review of Proteomics</i> , 2021, 18, 503-526.	1.3	21
879	Comparative Transcriptomics Reveals Distinct Patterns of Gene Expression Conservation through Vertebrate Embryogenesis. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	2
880	Assessing the Toxicity of 17Î±-Ethinylestradiol in Rainbow Trout Using a 4-Day Transcriptomics Benchmark Dose (BMD) Embryo Assay. <i>Environmental Science & Technology</i> , 2021, 55, 10608-10618.	4.6	14
881	A graph neural network model to estimate cell-wise metabolic flux using single-cell RNA-seq data. <i>Genome Research</i> , 2021, 31, 1867-1884.	2.4	60
882	Profile of Podocyte Translatome During Development of Type 2 and Type 1 Diabetic Nephropathy Using Podocyte-Specific TRAP mRNA RNA-seq. <i>Diabetes</i> , 2021, 70, 2377-2390.	0.3	8
883	Nasal ciliated cells are primary targets for SARS-CoV-2 replication in the early stage of COVID-19. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	169
884	A 4D single-cell protein atlas of transcription factors delineates spatiotemporal patterning during embryogenesis. <i>Nature Methods</i> , 2021, 18, 893-902.	9.0	40

#	ARTICLE	IF	CITATIONS
885	Identification of pathological transcription in autosomal dominant polycystic kidney disease epithelia. <i>Scientific Reports</i> , 2021, 11, 15139.	1.6	1
887	The extracellular matrix protein Agrin is expressed by osteoblasts and contributes to their differentiation. <i>Cell and Tissue Research</i> , 2021, 386, 335-347.	1.5	3
888	Single-Cell Analysis of the Multicellular Ecosystem in Viral Carcinogenesis by HTLV-1. <i>Blood Cancer Discovery</i> , 2021, 2, 450-467.	2.6	10
889	Integration of <scp>NRP1</scp>, <scp>RGS5,</scp> and <scp>FOXM1</scp> expression, and tumour necrosis, as a postoperative prognostic classifier based on molecular subtypes of clear cell renal cell carcinoma. <i>Journal of Pathology: Clinical Research</i> , 2021, 7, 590-603.	1.3	6
890	Dynamical consequences of regional heterogeneity in the brain's transcriptional landscape. <i>Science Advances</i> , 2021, 7, .	4.7	69
891	The effect of lower airway inflammation on inflammatory cytokine gene expression in bronchoalveolar lavage fluid and whole blood in racing Thoroughbreds. <i>Veterinary Immunology and Immunopathology</i> , 2021, 237, 110266.	0.5	2
892	Protein Phosphorylation in Cancer: Role of Nitric Oxide Signaling Pathway. <i>Biomolecules</i> , 2021, 11, 1009.	1.8	32
893	Proteomics reveals disturbances in the immune response and energy metabolism of monocytes from patients with septic shock. <i>Scientific Reports</i> , 2021, 11, 15149.	1.6	11
895	An integrated modular framework for modeling the effect of ammonium on the sialylation process of monoclonal antibodies produced by CHO cells. <i>Biotechnology Journal</i> , 2021, 16, e2100019.	1.8	7
897	An N-ethyl-N-Nitrosourea Mutagenesis Screen in Mice Reveals a Mutation in Nuclear Respiratory Factor 1 (Nrf1) Altering the DNA Methylation State and Correct Embryonic Development. <i>Animals</i> , 2021, 11, 2103.	1.0	1
898	A model explaining mRNA level fluctuations based on activity demands and RNA age. <i>PLoS Computational Biology</i> , 2021, 17, e1009188.	1.5	3
901	Curcuma longa L. Effects on Akt/mTOR Pathway and NF- κ B Expression During Skin Wound Healing: An Immunohistochemical Study. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2021, 29, e92-e100.	0.6	4
903	Overexpression of Douglas-Fir LEAFY COTYLEDON1 (PmLEC1) in Arabidopsis Induces Embryonic Programs and Embryo-like Structures in the lec1-1 Mutant but Not in Wild Type Plants. <i>Plants</i> , 2021, 10, 1526.	1.6	0
904	Single-Cell RNA Sequencing Elucidates the Structure and Organization of Microbial Communities. <i>Frontiers in Microbiology</i> , 2021, 12, 713128.	1.5	11
905	Modulation of peptidases by 2,4-diamine-quinazoline derivative induces cell death in the amitochondriate parasite <i>Trichomonas vaginalis</i> . <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111611.	2.5	6
906	Cannabinoid signaling promotes the de-differentiation and proliferation of Müller glia-derived progenitor cells. <i>Glia</i> , 2021, 69, 2503-2521.	2.5	20
907	Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. <i>ELife</i> , 2021, 10, .	2.8	22
909	Concordance of human equilibrative nucleoside transporter-1 expressions between murine (10D7G2) and rabbit (SP120) antibodies and association with clinical outcomes of adjuvant chemotherapy for pancreatic cancer: A collaborative study from the JASPAC 01 trial. <i>Cancer Reports</i> , 2021, , e1507.	0.6	3

#	ARTICLE	IF	CITATIONS
910	A proteomic platform to identify off-target proteins associated with therapeutic modalities that induce protein degradation or gene silencing. <i>Scientific Reports</i> , 2021, 11, 15856.	1.6	7
911	iTRAQ-based quantitative proteomics suggests mitophagy involvement after Rice black-streaked dwarf virus acquisition in insect vector small brown planthopper <i>Laodelphax striatellus</i> Fall�n. <i>Journal of Proteomics</i> , 2021, 246, 104314.	1.2	4
912	Altered hippocampal transcriptome dynamics following sleep deprivation. <i>Molecular Brain</i> , 2021, 14, 125.	1.3	19
913	Gene expression profile analysis of gallic acid-induced cell death process. <i>Scientific Reports</i> , 2021, 11, 16743.	1.6	4
914	Proteomes Are of Proteoforms: Embracing the Complexity. <i>Proteomes</i> , 2021, 9, 38.	1.7	46
915	Metabolomics in Functional Interrogation of Individual Holobiont Members. <i>MSystems</i> , 2021, 6, e0084121.	1.7	7
916	GADD45B Is a Potential Diagnostic and Therapeutic Target Gene in Chemotherapy-Resistant Prostate Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 716501.	1.8	7
918	Anticancer activity of RAPT-AE1 in triple-negative BRCA1 proficient breast cancer cells: single and combined treatment with the PARP inhibitor olaparib. <i>Heliyon</i> , 2021, 7, e07749.	1.4	3
919	Alterations in mRNA and Protein Expression of Glutamate Receptor Subunits Following Pentylentetrazole-induced Acute Seizures in Young Rats. <i>Neuroscience</i> , 2021, 468, 1-15.	1.1	9
920	Isolating and characterizing translationally active fraction of anammox microbiota using bioorthogonal non-canonical amino acid tagging. <i>Chemical Engineering Journal</i> , 2021, 418, 129411.	6.6	4
921	<i>Aspergillus fumigatus</i> Acetate Utilization Impacts Virulence Traits and Pathogenicity. <i>MBio</i> , 2021, 12, e0168221.	1.8	10
922	Migratory state and patterns of steroid hormone regulation in the pectoralis muscle of a nomadic migrant, the pine siskin (<i>Spinus pinus</i>). <i>General and Comparative Endocrinology</i> , 2021, 309, 113787.	0.8	2
923	Combining Bevacizumab with knocked-down β -catenin reduces VEGF-A and Slug mRNA in HepG2 but not in Caco-2 cell lines. <i>Current Molecular Medicine</i> , 2021, 21, .	0.6	0
924	A panoramic view of proteomics and multiomics in precision health. <i>IScience</i> , 2021, 24, 102925.	1.9	4
925	Future perspectives on in-vitro diagnosis of drug allergy by the lymphocyte transformation test. <i>Journal of Immunological Methods</i> , 2021, 495, 113072.	0.6	7
926	Integrated mass spectrometry-based multi-omics for elucidating mechanisms of bacterial virulence. <i>Biochemical Society Transactions</i> , 2021, 49, 1905-1926.	1.6	2
927	Protein Complex Organization Imposes Constraints on Proteome Dysregulation in Cancer. <i>Frontiers in Bioinformatics</i> , 2021, 1, .	1.0	3
928	The plasticity of mRNA translation during cancer progression and therapy resistance. <i>Nature Reviews Cancer</i> , 2021, 21, 558-577.	12.8	100

#	ARTICLE	IF	CITATIONS
929	Phaeochromocytomas overexpress insulin transcript and produce insulin. <i>Endocrine Connections</i> , 2021, 10, 815-824.	0.8	1
930	Spatial transcriptional mapping of the human nephrogenic program. <i>Developmental Cell</i> , 2021, 56, 2381-2398.e6.	3.1	44
931	Novel insights into the pervasive role of RNA structure in post-transcriptional regulation of gene expression in plants. <i>Biochemical Society Transactions</i> , 2021, 49, 1829-1839.	1.6	8
932	Screening and evaluation of the strong endogenous promoters in <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2021, 20, 156.	1.9	10
933	Activation of CD200-CD200R1 Axis Attenuates Perioperative Neurocognitive Disorder Through Inhibition of Neuroinflammation in Mice. <i>Neurochemical Research</i> , 2021, 46, 3190-3199.	1.6	3
934	Rutin, A Natural Inhibitor of IGPD Protein, Partially Inhibits Biofilm Formation in <i>Staphylococcus xylosum</i> ATCC700404 in vitro and in vivo. <i>Frontiers in Pharmacology</i> , 2021, 12, 728354.	1.6	5
935	Necrostatin-1 Prevents Ferroptosis in a RIPK1- and IDO-Independent Manner in Hepatocellular Carcinoma. <i>Antioxidants</i> , 2021, 10, 1347.	2.2	19
937	Integrative brain transcriptome analysis links complement component 4 and HSPA2 to the APOE ϵ 2 protective effect in Alzheimer disease. <i>Molecular Psychiatry</i> , 2021, 26, 6054-6064.	4.1	27
938	Pan-cancer proteogenomic investigations identify post-transcriptional kinase targets. <i>Communications Biology</i> , 2021, 4, 1112.	2.0	5
939	Cloning and characterization of Thioredoxin 1 from the Cnidarian <i>Hydra</i> . <i>Journal of Biochemistry</i> , 2022, 171, 41-51.	0.9	4
940	RoDiCE: robust differential protein co-expression analysis for cancer complexome. <i>Bioinformatics</i> , 2022, 38, 1269-1276.	1.8	1
941	Hypoxic and nitrosative stress conditions modulate expression of myoglobin genes in a carcinogenic hepatobiliary trematode, <i>Clonorchis sinensis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009811.	1.3	4
942	Schistosome AMPK Is Required for Larval Viability and Regulates Glycogen Metabolism in Adult Parasites. <i>Frontiers in Microbiology</i> , 2021, 12, 726465.	1.5	2
943	Paternal Resistance Exercise Modulates Skeletal Muscle Remodeling Pathways in Fathers and Male Offspring Submitted to a High-Fat Diet. <i>Frontiers in Physiology</i> , 2021, 12, 706128.	1.3	1
944	Knockdown of <i>Ptprn-2</i> delays the onset of puberty in female rats. <i>Theriogenology</i> , 2021, 176, 137-148.	0.9	4
945	Chromatin accessibility associates with protein-RNA correlation in human cancer. <i>Nature Communications</i> , 2021, 12, 5732.	5.8	18
946	Argininosuccinate lyase is a metabolic vulnerability in breast development and cancer. <i>Npj Systems Biology and Applications</i> , 2021, 7, 36.	1.4	3
947	In silico exploration of enzymes involved in sialic acid biosynthesis and their possible role in SARS-CoV-2 infection. <i>Journal of Oral Biosciences</i> , 2021, 63, 416-419.	0.8	2

#	ARTICLE	IF	CITATIONS
948	High-throughput proteomics and AI for cancer biomarker discovery. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113844.	6.6	54
949	Inflammation Induces Changes in the Functional Expression of P-gp, BCRP, and MRP2: An Overview of Different Models and Consequences for Drug Disposition. <i>Pharmaceutics</i> , 2021, 13, 1544.	2.0	20
950	Identifying Cell-Type-Specific Metabolic Signatures Using Transcriptome and Proteome Analyses. <i>Current Protocols</i> , 2021, 1, e245.	1.3	3
951	Prostate cancer castrate resistant progression usage of non-canonical androgen receptor signaling and ketone body fuel. <i>Oncogene</i> , 2021, 40, 6284-6298.	2.6	13
952	Comparative microsomal proteomics of a model lung cancer cell line NCI-H23 reveals distinct differences between molecular profiles of 3D and 2D cultured cells. <i>Oncotarget</i> , 2021, 12, 2022-2038.	0.8	3
953	Single cell multiomic analysis of T cell exhaustion in vitro. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 27-44.	1.1	10
954	Regulation of gene expression via translational buffering. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119140.	1.9	22
955	ERÎ± is an RNA-binding protein sustaining tumor cell survival and drug resistance. <i>Cell</i> , 2021, 184, 5215-5229.e17.	13.5	76
956	Blood-based protein biomarkers in bladder urothelial tumors. <i>Journal of Proteomics</i> , 2021, 247, 104329.	1.2	10
957	Combined analyses of translome and transcriptome in <i>Arabidopsis</i> reveal new players responding to magnesium deficiency. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 2075-2092.	4.1	5
958	Understanding protein-complex assembly through grand canonical maximum entropy modeling. <i>Physical Review Research</i> , 2021, 3, .	1.3	2
959	Lower levels of tubulin alpha 1b in the frontal pole in schizophrenia supports a role for changed cytoskeletal dynamics in the aetiology of the disorder. <i>Psychiatry Research</i> , 2021, 303, 114096.	1.7	7
960	Liquid chromatography, a key tool for the advancement of single-cell omics analysis. <i>Analytica Chimica Acta</i> , 2021, 1178, 338551.	2.6	20
961	Efficient biosynthesis of D-allulose in <i>Bacillus subtilis</i> through D-psicose 3-epimerase translation modification. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 1-8.	3.6	9
962	State-of-the-art technology for cardiovascular research. <i>Complex Issues of Cardiovascular Diseases</i> , 2021, 10, 103-108.	0.3	1
963	Molecular mechanisms of inhibiting glucosyltransferases for biofilm formation in <i>Streptococcus mutans</i> . <i>International Journal of Oral Science</i> , 2021, 13, 30.	3.6	48
964	Deep-coverage spatiotemporal proteome of the picoeukaryote <i>Ostreococcus tauri</i> reveals differential effects of environmental and endogenous 24-hour rhythms. <i>Communications Biology</i> , 2021, 4, 1147.	2.0	11
965	Changes in cortical gene expression in the muscarinic M1 receptor knockout mouse: potential relevance to schizophrenia, Alzheimer's disease and cognition. <i>NPJ Schizophrenia</i> , 2021, 7, 44.	2.0	9

#	ARTICLE	IF	CITATIONS
966	Looking for more reliable biomarkers in breast cancer: Comparison between routine methods and RT-qPCR. PLoS ONE, 2021, 16, e0255580.	1.1	6
967	Prospects and challenges of cancer systems medicine: from genes to disease networks. Briefings in Bioinformatics, 2022, 23, .	3.2	7
968	Curcumin Exerts Antinociceptive Effects in Cancer-Induced Bone Pain via an Endogenous Opioid Mechanism. Frontiers in Neuroscience, 2021, 15, 696861.	1.4	12
969	Mass cytometry profiling of human dendritic cells in blood and tissues. Nature Protocols, 2021, 16, 4855-4877.	5.5	5
970	Proteogenomic Analysis Provides Novel Insight into Genome Annotation and Nitrogen Metabolism in <i>Nostoc</i> sp. PCC 7120. Microbiology Spectrum, 2021, 9, e0049021.	1.2	5
971	Single-cell analysis at the protein level delineates intracellular signaling dynamic during hematopoiesis. BMC Biology, 2021, 19, 201.	1.7	5
972	GPR171 Agonist Reduces Chronic Neuropathic and Inflammatory Pain in Male, But Not Female Mice. Frontiers in Pain Research, 2021, 2, 695396.	0.9	8
973	A mean-field approach for modeling the propagation of perturbations in biochemical reaction networks. European Journal of Pharmaceutical Sciences, 2021, 165, 105919.	1.9	1
974	Tryptophan catabolism is dysregulated in leiomyomas. Fertility and Sterility, 2021, 116, 1160-1171.	0.5	16
976	Altered Protein Abundance and Localization Inferred from Sites of Alternative Modification by Ubiquitin and SUMO. Journal of Molecular Biology, 2021, 433, 167219.	2.0	4
977	2D-DIGE proteomic analysis of blood plasma reveals changes in immune- and stress-associated proteins following hormonal stimulation of carp males. Fish and Shellfish Immunology, 2021, 118, 354-368.	1.6	3
978	Toxicity of nanoplastics for zebrafish embryos, what we know and where to go next. Science of the Total Environment, 2021, 797, 149125.	3.9	44
979	Prognostic role of USP7 expression in cancer patients: A systematic review and meta-analysis. Pathology Research and Practice, 2021, 227, 153621.	1.0	3
980	Reduced activity of intestinal surface Na ⁺ /H ⁺ exchanger NHE3 is a key factor for induction of diarrhea after PEDV infection in neonatal piglets. Virology, 2021, 563, 64-73.	1.1	2
981	TMT-based comparative proteomic analysis reveals regulatory pathways and protein targets associated with resin biosynthesis in <i>Pinus massoniana</i> . Industrial Crops and Products, 2021, 172, 114077.	2.5	5
982	Biapenem reduces sepsis mortality via barrier protective pathways against HMGB1-mediated septic responses. Pharmacological Reports, 2021, 73, 786-795.	1.5	3
984	Retinal Protein O-GlcNAcylation and the Ocular Renin Angiotensin System: Signaling Cross-Roads in Diabetic Retinopathy. Current Diabetes Reviews, 2021, 17, .	0.6	2
986	Environmental signals rather than layered ontogeny imprint the function of type 2 conventional dendritic cells in young and adult mice. Nature Communications, 2021, 12, 464.	5.8	25

#	ARTICLE	IF	CITATIONS
987	Translation initiation and its relevance in colorectal cancer. <i>FEBS Journal</i> , 2021, 288, 6635-6651.	2.2	10
988	Correlation between external regulators governs the mean-noise relationship in stochastic gene expression. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 4713-4730.	1.0	0
989	Epi-Brassinolide Positively Affects Chlorophyll Content and Dark-Reaction Enzymes of Maize Seedlings. <i>Phyton</i> , 2021, 90, 1465-1476.	0.4	2
990	Calculating Sample Size Requirements for Temporal Dynamics in Single-Cell Proteomics. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100085.	2.5	7
991	Patient-Derived Mutant Forms of NFE2L2/NRF2 Drive Aggressive Murine Hepatoblastomas. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 199-228.	2.3	14
992	Investigating the molecular control of deer antler extract on articular cartilage. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 8.	0.9	7
994	Glutamatergic System is Affected in Brain from an Hyperthermia-Induced Seizures Rat Model. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 1501-1512.	1.7	6
995	A Reductionist Approach Using Primary and Metastatic Cell-Derived Extracellular Vesicles Reveals Hub Proteins Associated with Oral Cancer Prognosis. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100118.	2.5	12
996	Comprehensive Analysis of Transcript and Protein Relative Abundance During Blood Stages of <i>Plasmodium falciparum</i> Infection. <i>Journal of Proteome Research</i> , 2021, 20, 1206-1216.	1.8	6
997	Data-independent acquisition-based proteome and phosphoproteome profiling across six melanoma cell lines reveals determinants of proteotypes. <i>Molecular Omics</i> , 2021, 17, 413-425.	1.4	26
998	Tissue biobanks. , 2021, , 85-93.		0
999	Pan-cancer analysis of transcripts encoding novel open-reading frames (nORFs) and their potential biological functions. <i>Npj Genomic Medicine</i> , 2021, 6, 4.	1.7	20
1000	A loss of mature microglial markers without immune activation in schizophrenia. <i>Glia</i> , 2021, 69, 1251-1267.	2.5	43
1001	Prediction of Alzheimer's disease-specific phospholipase c gamma-1 SNV by deep learning-based approach for high-throughput screening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
1002	New Generations of MS2 Variants and MCP Fusions to Detect Single mRNAs in Living Eukaryotic Cells. <i>Methods in Molecular Biology</i> , 2020, 2166, 121-144.	0.4	21
1003	The Conjugation of Antibodies for the Simultaneous Detection of Surface Proteins and Transcriptome Analysis at a Single-Cell Level. <i>Methods in Molecular Biology</i> , 2020, 2184, 31-45.	0.4	3
1004	The Tumor Microenvironment: Focus on Extracellular Matrix. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1245, 1-38.	0.8	14
1005	Physiological and biochemical responses to high light and temperature stress in plants. <i>Environmental and Experimental Botany</i> , 2017, 139, 165-177.	2.0	224

#	ARTICLE	IF	CITATIONS
1006	The effect of hydrostatic pressure on proteoglycan production in articular cartilage in vitro: a meta-analysis. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1007-1019.	0.6	13
1007	ANCA autoantigen gene expression highlights neutrophil heterogeneity where expression in normal-density neutrophils correlates with ANCA-induced activation. <i>Kidney International</i> , 2020, 98, 744-757.	2.6	13
1008	Antibody validation for Western blot: By the user, for the user. <i>Journal of Biological Chemistry</i> , 2020, 295, 926-939.	1.6	34
1009	Self-assembled particulate vaccine elicits strong immune responses and reduces <i>Mycobacterium avium</i> subsp. paratuberculosis infection in mice. <i>Scientific Reports</i> , 2020, 10, 22289.	1.6	6
1010	Mass spectrometry quantitation of proteins from small pools of developing auditory and vestibular cells. <i>Scientific Data</i> , 2018, 5, 180128.	2.4	16
1011	Generation of a zebrafish SWATH-MS spectral library to quantify 10,000 proteins. <i>Scientific Data</i> , 2019, 6, 190011.	2.4	37
1012	An emerging role of chromatin-interacting RNA-binding proteins in transcription regulation. <i>Essays in Biochemistry</i> , 2020, 64, 907-918.	2.1	14
1013	Lung Atelectasis Promotes Immune and Barrier Dysfunction as Revealed by Transcriptome Sequencing in Female Sheep. <i>Anesthesiology</i> , 2020, 133, 1060-1076.	1.3	7
1014	Comparative proteomic analysis to characterize temperature-induced viable but non-culturable and resuscitation states in <i>Vibrio cholerae</i> . <i>Microbiology (United Kingdom)</i> , 2019, 165, 737-746.	0.7	12
1070	Breaking point: the genesis and impact of structural variation in tumours. <i>F1000Research</i> , 2018, 7, 1814.	0.8	7
1071	Control of Gene Expression by RNA Binding Protein Action on Alternative Translation Initiation Sites. <i>PLoS Computational Biology</i> , 2016, 12, e1005198.	1.5	7
1072	mRNA/protein sequence complementarity and its determinants: The impact of affinity scales. <i>PLoS Computational Biology</i> , 2017, 13, e1005648.	1.5	23
1073	In silico mutagenesis of human ACE2 with S protein and translational efficiency explain SARS-CoV-2 infectivity in different species. <i>PLoS Computational Biology</i> , 2020, 16, e1008450.	1.5	36
1074	Function of multiple sclerosis-protective HLA class I alleles revealed by genome-wide protein-quantitative trait loci mapping of interferon signalling. <i>PLoS Genetics</i> , 2020, 16, e1009199.	1.5	12
1075	Prediction of adjuvant chemotherapy response in triple negative breast cancer with discovery and targeted proteomics. <i>PLoS ONE</i> , 2017, 12, e0178296.	1.1	25
1076	GABA _A Receptors Are Well Preserved in the Hippocampus of Aged Mice. <i>ENeuro</i> , 2019, 6, ENEURO.0496-18.2019.	0.9	22
1077	So close, no matter how far: multiple paths connecting transcription to mRNA translation in eukaryotes. <i>EMBO Reports</i> , 2020, 21, e50799.	2.0	24
1080	Entorhinal cortex-based metabolic profiling of chronic restraint stress mice model of depression. <i>Aging</i> , 2020, 12, 3042-3052.	1.4	11

#	ARTICLE	IF	CITATIONS
1081	Toll-like receptor expression and function differ between splenic marginal zone B cell lymphoma and splenic diffuse red pulp B cell lymphoma. <i>Oncotarget</i> , 2018, 9, 23589-23598.	0.8	4
1082	The chondrogenic differentiation potential of dental pulp stem cells. , 2020, 39, 121-135.		22
1083	SCREENED: A Multistage Model of Thyroid Gland Function for Screening Endocrine-Disrupting Chemicals in a Biologically Sex-Specific Manner. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3648.	1.8	15
1084	Carrier-assisted One-pot Sample Preparation for Targeted Proteomics Analysis of Small Numbers of Human Cells. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3
1085	High expression level of peptidylprolyl isomerase A is correlated with poor prognosis of liver hepatocellular carcinoma. <i>Oncology Letters</i> , 2019, 18, 4691-4702.	0.8	5
1086	Stationary moments, distribution conjugation and phenotypic regions in stochastic gene transcription. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 6134-6166.	1.0	12
1087	Context-enriched interactome powered by proteomics helps the identification of novel regulators of macrophage activation. <i>ELife</i> , 2018, 7, .	2.8	11
1088	Decoupling the impact of microRNAs on translational repression versus RNA degradation in embryonic stem cells. <i>ELife</i> , 2018, 7, .	2.8	54
1089	Stepwise wiring of the <i>Drosophila</i> olfactory map requires specific Plexin B levels. <i>ELife</i> , 2018, 7, .	2.8	16
1090	Analysis of the genomic architecture of a complex trait locus in hypertensive rat models links <i>Tmem63c</i> to kidney damage. <i>ELife</i> , 2019, 8, .	2.8	25
1091	Single-cell proteomics reveals changes in expression during hair-cell development. <i>ELife</i> , 2019, 8, .	2.8	80
1092	Dynamic post-translational modification profiling of <i>Mycobacterium tuberculosis</i> -infected primary macrophages. <i>ELife</i> , 2020, 9, .	2.8	44
1093	A discrete subtype of neural progenitor crucial for cortical folding in the gyrencephalic mammalian brain. <i>ELife</i> , 2020, 9, .	2.8	42
1094	Neuronal timescales are functionally dynamic and shaped by cortical microarchitecture. <i>ELife</i> , 2020, 9, .	2.8	145
1095	Proteomic analysis of young and old mouse hematopoietic stem cells and their progenitors reveals post-transcriptional regulation in stem cells. <i>ELife</i> , 2020, 9, .	2.8	21
1096	Single-cell RNA sequencing deconvolutes the <i>in vivo</i> heterogeneity of human bone marrow-derived mesenchymal stem cells. <i>International Journal of Biological Sciences</i> , 2021, 17, 4192-4206.	2.6	39
1097	Age-related mitochondrial alterations in brain and skeletal muscle of the YAC128 model of Huntington disease. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 26.	4.5	8
1100	Aged Brains Express Less Melanocortin Receptors, Which Correlates with Age-Related Decline of Cognitive Functions. <i>Molecules</i> , 2021, 26, 6266.	1.7	8

#	ARTICLE	IF	CITATIONS
1101	Mass Spectrometry-Based Phosphoproteomics and Systems Biology: Approaches to Study T Lymphocyte Activation and Exhaustion. <i>Journal of Molecular Biology</i> , 2021, 433, 167318.	2.0	5
1102	Molecular mechanism of anti-adipogenic effect of vitexin in differentiating hMSCs. <i>Phytotherapy Research</i> , 2021, 35, 6462-6471.	2.8	7
1103	Proteomics reveal cap-dependent translation inhibitors remodel the translation machinery and translome. <i>Cell Reports</i> , 2021, 37, 109806.	2.9	15
1105	Effects of sequence motifs in the yeast 3' untranslated region determined from massively parallel assays of random sequences. <i>Genome Biology</i> , 2021, 22, 293.	3.8	6
1106	The ephrin receptor EphB2 regulates the connectivity and activity of enteric neurons. <i>Journal of Biological Chemistry</i> , 2021, 297, 101300.	1.6	6
1107	Proteome-wide mapping of short-lived proteins in human cells. <i>Molecular Cell</i> , 2021, 81, 4722-4735.e5.	4.5	64
1108	Molecular and clinical insights into complex genomic rearrangements related to MECP2 duplication syndrome. <i>European Journal of Medical Genetics</i> , 2021, 64, 104367.	0.7	7
1109	Multiplex protein analysis for the study of glaucoma. <i>Expert Review of Proteomics</i> , 2021, 18, 911-924.	1.3	2
1110	Neuronatin promotes SERCA uncoupling and its expression is altered in skeletal muscles of high-fat diet-fed mice. <i>FEBS Letters</i> , 2021, 595, 2756-2767.	1.3	21
1111	Auxin-Responsive (Phospho)proteome Analysis Reveals Key Biological Processes and Signaling Associated with Shoot-Borne Crown Root Development in Rice. <i>Plant and Cell Physiology</i> , 2023, 63, 1968-1979.	1.5	5
1112	The Single-Cell Transcriptomic Analysis of Prefrontal Pyramidal Cells and Interneurons Reveals the Neuronal Expression of Genes Encoding Antimicrobial Peptides and Immune Proteins. <i>Frontiers in Immunology</i> , 2021, 12, 749433.	2.2	1
1113	Proteomic profiling reveals engineered chitosan nanoparticles mediated cellular crosstalk and immunomodulation for therapeutic application in apical periodontitis. <i>Bioactive Materials</i> , 2022, 11, 77-89.	8.6	10
1114	Nestin promotes pulmonary fibrosis via facilitating recycling of TGF- β 2 receptor I. <i>European Respiratory Journal</i> , 2022, 59, 2003721.	3.1	17
1115	3p Arm Loss and Survival in Head and Neck Cancer: An Analysis of TCGA Dataset. <i>Cancers</i> , 2021, 13, 5313.	1.7	3
1116	Network potential identifies therapeutic miRNA cocktails in Ewing sarcoma. <i>PLoS Computational Biology</i> , 2021, 17, e1008755.	1.5	9
1117	High-Dimensional Single-Cell Transcriptomics in Melanoma and Cancer Immunotherapy. <i>Genes</i> , 2021, 12, 1629.	1.0	8
1118	The sweetpotato GIGANTEA gene promoter is co-regulated by phytohormones and abiotic stresses in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 168, 143-154.	2.8	2
1119	Increased insulin signaling in the <i>Anopheles stephensi</i> fat body regulates metabolism and enhances the host response to both bacterial challenge and <i>Plasmodium falciparum</i> infection. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 139, 103669.	1.2	5

#	ARTICLE	IF	CITATIONS
1128	Multi-Omics Insights into Functional Alterations of the Liver in Insulin-Deficient Diabetes Mellitus. SSRN Electronic Journal, 0, , .	0.4	0
1129	Reading the Book of Life â€œ Omics as a Universal Tool Across Disciplines. , 2018, , 73-82.		1
1147	Total RNA Degradation <i>in Vitro</i> and <i>in Vivo</i> by Glutamate Dehydrogenase-Synthesized RNA Enzyme: Biotechnological Applications. Advances in Bioscience and Biotechnology (Print), 2019, 10, 59-85.	0.3	2
1159	Methodologies and Applications of Proteomics for Study of Yeast Strains: An Update. Current Protein and Peptide Science, 2019, 20, 893-906.	0.7	1
1164	Identification of an activationâ€™related protein in B cells in the ABO incompatible condition. Experimental and Therapeutic Medicine, 2020, 19, 741-747.	0.8	0
1174	Overexpression of oil palm EgDREB1 in tomato decreased fruit sizeand produced parthenocarpic fruits. Biologia Plantarum, 0, 64, 58-67.	1.9	1
1181	Alpha-mangostin reduces cell viability in sorafenib-surviving cells by modulating multiple drug transporters in HepG2 hepatocellular carcinoma cells. Journal of Applied Pharmaceutical Science, 0, , .	0.7	0
1182	Overcoming off-targets: assessing Western blot signals for Bcnt/Cfdp1, a tentative component of the chromatin remodeling complex. Bioscience Reports, 2020, 40, .	1.1	2
1184	RANBP9 as potential therapeutic target in non-small cell lung cancer. Journal of Cancer Metastasis and Treatment, 2020, 2020, .	0.5	1
1190	Inhibitor of RAGE and glucoseâ€™induced inflammation in bone marrow mesenchymal stem cells: Effect and mechanism of action. Molecular Medicine Reports, 2020, 22, 3255-3262.	1.1	8
1195	Investigating Markers of the NLRP3 Inflammasome Pathway in Alzheimerâ€™s Disease: A Human Post-Mortem Study. Genes, 2021, 12, 1753.	1.0	11
1196	The translome of neuronal cell bodies, dendrites, and axons. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	65
1197	Tandem Mass Tag-Based Quantitative Proteomics and Virulence Phenotype of Hemolymph-Treated Bacillus thuringiensis kurstaki Cells Reveal New Insights on Bacterial Pathogenesis in Insects. Microbiology Spectrum, 2021, 9, e0060421.	1.2	1
1199	Systematic review of the receptor tyrosine kinase superfamily in neuroblastoma pathophysiology. Cancer and Metastasis Reviews, 2022, 41, 33-52.	2.7	10
1200	Visualizing Codon Usage Within and Across Genomes: Concepts and Tools. Algorithms for Intelligent Systems, 2020, , 213-288.	0.5	0
1204	Discrepant mRNA and Protein Expression in Immune Cells. Current Genomics, 2020, 21, 560-563.	0.7	23
1205	Hypoxia as a modulator of cytochromes <sc>P450</sc>: Overexpression of the cytochromes <sc>CYP2S1</sc> and <sc>CYP24A1</sc> in human liver cancer cells in hypoxia. Cell Biochemistry and Function, 2021, 39, 478-487.	1.4	14
1208	Mechanisms of abemaciclib, a CDK4/6 inhibitor, induced apoptotic cell death in prostate cancer cells in vitro. Translational Oncology, 2022, 15, 101243.	1.7	6

#	ARTICLE	IF	CITATIONS
1209	Copper-imidazo[1,2-a]pyridines differentially modulate pro- and anti-apoptotic protein and gene expression in HL-60 and K562 leukaemic cells to cause apoptotic cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119160.	1.9	2
1210	Variations in the Expression Pattern of <i>HSP27</i> and <i>MSK1</i> Genes During the Development of Prehierarchical Follicles in the Zi Geese (<i>Anser Cygnoides</i>). <i>Annals of Animal Science</i> , 2020, 20, 43-53.	0.6	0
1211	CHAPTER 10. Applications for Mass Spectrometry-based Proteomics and Phosphoproteomics in Precision Medicine. <i>RSC Detection Science</i> , 2020, , 191-222.	0.0	0
1212	Polysome-seq as a Measure of Translational Profile from Deoxyhypusine Synthase Mutant in <i>Saccharomyces cerevisiae</i> . <i>Lecture Notes in Computer Science</i> , 2020, , 168-179.	1.0	1
1213	Proteomics and Metabolomics in Pain. , 2020, , 398-409.		0
1219	Engineering Approaches in Plant Molecular Farming for Global Health. <i>Vaccines</i> , 2021, 9, 1270.	2.1	6
1220	Detection of subtype-specific Breast Cancer Surface Protein Biomarkers via a novel Transcriptomics approach. <i>Bioscience Reports</i> , 2021, 41, .	1.1	6
1221	Differential p16 expression levels in the liver, hepatocytes and hepatocellular cell lines. <i>PeerJ</i> , 2021, 9, e12358.	0.9	1
1229	Comparative proteomics analysis of dietary restriction in <i>Drosophila</i> . <i>PLoS ONE</i> , 2020, 15, e0240596.	1.1	7
1233	Cytoplasm and nuclear crude protein proportion observed in peripheral blood mono nuclear cells under senescence inducing stress exposure. <i>Journal of Physics: Conference Series</i> , 2020, 1665, 012034.	0.3	0
1239	Differential Glial Activation in Early Epileptogenesis—Insights From Cell-Specific Analysis of DNA Methylation and Gene Expression in the Contralateral Hippocampus. <i>Frontiers in Neurology</i> , 2020, 11, 573575.	1.1	5
1240	Global assessment of the integrated stress response in CF patient-derived airway and intestinal tissues. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 1021-1026.	0.3	4
1241	Cytotoxic effect of PEI-coated magnetic nanoparticles on the regulation of cellular focal adhesions and actin stress fibres. <i>Materialia</i> , 2020, 13, 100848.	1.3	6
1242	Translating Stem Cell Biology Into Drug Discovery. <i>Drug Target Review</i> , 2016, 3, 34-38.	1.0	0
1243	Male Infertility, Precision Medicine and Systems Proteomics. <i>Journal of Reproduction and Infertility</i> , 2018, 19, 185-192.	1.0	5
1244	ROCK2 disturbs MKP1 expression to promote invasion and metastasis in hepatocellular carcinoma. <i>American Journal of Cancer Research</i> , 2020, 10, 884-896.	1.4	3
1245	Evaluation of Sestrin 2, Adiponectin, AMPK, and mTOR Genes Expression in Acute Myeloid Leukemia Patients. <i>Iranian Journal of Biotechnology</i> , 2021, 19, e2860.	0.3	2
1246	Single Cell Chemical Proteomics (SCCP) Interrogates the Timing and Heterogeneity of Cancer Cell Commitment to Death. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
1247	Furosemide-induced systemic dehydration alters the proteome of rabbit vocal folds. <i>Journal of Proteomics</i> , 2022, 252, 104431.	1.2	5
1248	Introns control stochastic allele expression bias. <i>Nature Communications</i> , 2021, 12, 6527.	5.8	6
1249	Optimizing network propagation for multi-omics data integration. <i>PLoS Computational Biology</i> , 2021, 17, e1009161.	1.5	7
1250	CRISPR/Cas9-mediated knockout of the DCL2 and DCL4 genes in <i>Nicotiana benthamiana</i> and its productivity of recombinant proteins. <i>Plant Cell Reports</i> , 2022, 41, 307-317.	2.8	7
1251	Comparative proteomic analysis provides new insights into regulation of microspore embryogenesis induction in winter triticale (<i>Triticosecale Wittm.</i>) after 5-azacytidine treatment. <i>Scientific Reports</i> , 2021, 11, 22215.	1.6	3
1252	Ascorbic Acid/Retinol and/or Inflammatory Stimuli's Effect on Proliferation/Differentiation Properties and Transcriptomics of Gingival Stem/Progenitor Cells. <i>Cells</i> , 2021, 10, 3310.	1.8	7
1253	Olfactory dysfunction and potential mechanisms caused by volatile organophosphate dichlorvos in the silkworm as a model animal. <i>Journal of Hazardous Materials</i> , 2022, 425, 127940.	6.5	9
1254	Circadian Alterations Increase with Progression in a Patient-Derived Cell Culture Model of Breast Cancer. <i>Clocks & Sleep</i> , 2021, 3, 598-608.	0.9	1
1255	Metabolic Enzyme Alterations and Astrocyte Dysfunction in a Murine Model of Alexander Disease With Severe Reactive Gliosis. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100180.	2.5	3
1256	Multi-Omics Comparison of the Spontaneous Diabetes Mellitus and Diet-Induced Prediabetic Macaque Models. <i>Frontiers in Pharmacology</i> , 2021, 12, 784231.	1.6	3
1258	The perennial fruit tree proteogenomics atlas: a spatial map of the sweet cherry proteome and transcriptome. <i>Plant Journal</i> , 2022, 109, 1319-1336.	2.8	17
1259	Translational Control in Liver Disease. <i>Frontiers in Physiology</i> , 2021, 12, 795298.	1.3	2
1260	Multiomic characterization of oncogenic signaling mediated by wild-type and mutant RIT1. <i>Science Signaling</i> , 2021, 14, eabc4520.	1.6	6
1261	Proteomic Analysis Identifies NDUFS1 and ATP5O as Novel Markers for Survival Outcome in Prostate Cancer. <i>Cancers</i> , 2021, 13, 6036.	1.7	7
1262	Inhibition of Prostaglandin F2± Receptors Exaggerates HCl-Induced Lung Inflammation in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12843.	1.8	5
1263	Redefining intestinal immunity with single-cell transcriptomics. <i>Mucosal Immunology</i> , 2022, 15, 531-541.	2.7	12
1264	MCM3 is a novel proliferation marker associated with longer survival for patients with tubo-ovarian high-grade serous carcinoma. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2022, 480, 855-871.	1.4	8
1265	Scaling Up Single-Cell Proteomics. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100179.	2.5	37

#	ARTICLE	IF	CITATIONS
1267	Silencing of β -N-acetylgalactosaminidase in the gastric cancer cells amplified cell death and attenuated migration, while the multidrug resistance remained unchanged. <i>Cell Biology International</i> , 2022, 46, 255-264.	1.4	4
1268	Proteome of the Luminal Surface of the Blood-Brain Barrier. <i>Proteomes</i> , 2021, 9, 45.	1.7	5
1269	CRYPTOCHROMES promote daily protein homeostasis. <i>EMBO Journal</i> , 2022, 41, e2021108883.	3.5	9
1270	Strain-Modulated Seeded Growth of Highly Branched Black Au Superparticles for Efficient Photothermal Conversion. <i>Journal of the American Chemical Society</i> , 2021, 143, 20513-20523.	6.6	49
1271	A highly conserved zebrafish IMPDH retinal isoform produces the majority of guanine and forms dynamic protein filaments in photoreceptor cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101441.	1.6	7
1272	Maternal Diet Quality Is Associated with Placental Proteins in the Placental Insulin/Growth Factor, Environmental Stress, Inflammation, and mTOR Signaling Pathways: The Healthy Start ECHO Cohort. <i>Journal of Nutrition</i> , 2022, 152, 816-825.	1.3	9
1273	Candesartan prevents arteriopathy progression in cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy model. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
1274	Variability in Behavioral Phenotypes after Forced Swimming-Induced Stress in Rats Is Associated with Expression of the Glucocorticoid Receptor, Nurr1, and IL-1 ² in the Hippocampus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12700.	1.8	3
1275	Effect of macromolecular crowding on protein oxidation: Consequences on the rate, extent and oxidation pathways. <i>Redox Biology</i> , 2021, 48, 102202.	3.9	14
1276	Expression of transport proteins in the rete mirabile of european silver and yellow eel. <i>BMC Genomics</i> , 2021, 22, 866.	1.2	4
1278	<i>Porphyromonas gingivalis</i> Mfa1 fimbria putatively binds to TLR2 and induces both IL-6 and IL-8 production in human bronchial epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2022, 589, 35-40.	1.0	7
1279	Review: RNA-Based Diagnostic Markers Discovery and Therapeutic Targets Development in Cancer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1280	Effect of fermented cassava tuber on the gene expression of PI3K/Akt signaling and AMPK pathway in STZ-NA-induced diabetic rats. <i>Nutrition and Food Science</i> , 2022, ahead-of-print, .	0.4	0
1281	Uncovering the impacts of alternative splicing on the proteome with current omics techniques. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1707.	3.2	22
1282	Characterizing toxicity pathways of fluoxetine to predict adverse outcomes in adult fathead minnows (<i>Pimephales promelas</i>). <i>Science of the Total Environment</i> , 2022, 817, 152747.	3.9	5
1283	Genome-Scale Metabolic Modelling of Lifestyle Changes in <i>Rhizobium leguminosarum</i> . <i>MSystems</i> , 2022, 7, e0097521.	1.7	4
1284	CYP450 drug inducibility in NAFLD via an in vitro hepatic model: Understanding drug-drug interactions in the fatty liver. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112377.	2.5	11
1285	Identification and primary application of hybridomas cell secreting monoclonal antibodies against mink (<i>Neovison vison</i>) interferon-gamma. <i>Cytokine</i> , 2022, 150, 155777.	1.4	2

#	ARTICLE	IF	CITATIONS
1286	TMT based proteomic profiling of <i>Sophora alopecuroides</i> leaves reveal flavonoid biosynthesis processes in response to salt stress. <i>Journal of Proteomics</i> , 2022, 253, 104457.	1.2	6
1287	TNF signaling pathway-mediated microglial activation in the PFC underlies acute paradoxical sleep deprivation-induced anxiety-like behaviors in mice. <i>Brain, Behavior, and Immunity</i> , 2022, 100, 254-266.	2.0	21
1288	PTGES3 is a Putative Prognostic Marker in Breast Cancer. <i>Journal of Surgical Research</i> , 2022, 271, 154-162.	0.8	8
1289	Comparative proteomics and transcriptomics illustrate the allograft-induced stress response in the pearl oyster (<i>Pinctada fucata martensii</i>). <i>Fish and Shellfish Immunology</i> , 2022, 121, 74-85.	1.6	12
1290	Functional and HRE motifs count analysis of induction of selected hypoxia-responsive genes by HIF-1 and HIF-2 in human umbilical endothelial cells. <i>Cellular Signalling</i> , 2022, 90, 110209.	1.7	12
1291	Cryptic splicing events result in unexpected protein products from calpain-10 (CAPN10) cDNA. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119188.	1.9	3
1292	Transcriptomics and metabolomics analyses provide insights into the difference in toxicity of benzo[a]pyrene and 6-chlorobenzo[a]pyrene to human hepatic cells. <i>Science of the Total Environment</i> , 2022, 812, 152242.	3.9	8
1294	PEG35 as a Preconditioning Agent against Hypoxia/Reoxygenation Injury. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1156.	1.8	7
1295	Reproductive tissue-specific translome of a rice thermo-sensitive genic male sterile line. <i>Journal of Genetics and Genomics</i> , 2022, 49, 624-635.	1.7	4
1296	Protein synthesis, degradation, and energy metabolism in T cell immunity. <i>Cellular and Molecular Immunology</i> , 2022, 19, 303-315.	4.8	38
1297	Moyamoya Disease Susceptibility Gene <i>RNF213</i> Regulates Endothelial Barrier Function. <i>Stroke</i> , 2022, 53, 1263-1275.	1.0	26
1300	Path to Clonal Theranostics in Luminal Breast Cancers. <i>Frontiers in Oncology</i> , 2021, 11, 802177.	1.3	4
1301	Integrative Metabolomics, Proteomics and Transcriptomics Analysis Reveals Liver Toxicity of Mesoporous Silica Nanoparticles. <i>Frontiers in Pharmacology</i> , 2022, 13, 835359.	1.6	8
1302	The Structure of T-DNA Insertions in Transgenic Tobacco Plants Producing Bovine Interferon-Gamma. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 761.	1.3	1
1303	Suitability of GRK Antibodies for Individual Detection and Quantification of GRK Isoforms in Western Blots. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1195.	1.8	4
1304	Behavioral, Anti-Inflammatory, and Neuroprotective Effects of a Novel FPR2 Agonist in Two Mouse Models of Autism. <i>Pharmaceuticals</i> , 2022, 15, 161.	1.7	8
1305	In-depth analysis of proteomic and genomic fluctuations during the time course of human embryonic stem cells directed differentiation into beta cells. <i>Proteomics</i> , 2022, 22, e2100265.	1.3	5
1306	The TBX1/miR-193a-3p/TGF- β 2 Axis Mediates CHD by Promoting Ferroptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	6

#	ARTICLE	IF	CITATIONS
1307	Compromised Astrocyte Swelling/Volume Regulation in the Hippocampus of the Triple Transgenic Mouse Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 783120.	1.7	3
1308	Effects of aneuploidy on cell behaviour and function. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 250-265.	16.1	35
1311	New horizons in the stormy sea of multimodal single-cell data integration. <i>Molecular Cell</i> , 2022, 82, 248-259.	4.5	9
1312	Double-labeling immunofluorescence: A simple and effective tool to study pituitary regulation in teleost fish. , 2022, , 221-250.		1
1313	Proteomic identification of proliferation and progression markers in human polycythemia vera stem and progenitor cells. <i>Blood Advances</i> , 2022, , .	2.5	2
1314	Multi-Omics Profiling Approach to Asthma: An Evolving Paradigm. <i>Journal of Personalized Medicine</i> , 2022, 12, 66.	1.1	30
1315	Tissue-specific multi-omics analysis of atrial fibrillation. <i>Nature Communications</i> , 2022, 13, 441.	5.8	17
1316	ER Unfolded Protein Response in Liver In Vivo Is Characterized by Reduced, Not Increased, De Novo Lipogenesis and Cholesterol Synthesis Rates with Uptake of Fatty Acids from Adipose Tissue: Integrated Gene Expression, Translation Rates and Metabolic Fluxes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1073.	1.8	3
1317	Time-Resolved Gene Expression Analysis Monitors the Regulation of Inflammatory Mediators and Attenuation of Adaptive Immune Response by Vitamin D. <i>International Journal of Molecular Sciences</i> , 2022, 23, 911.	1.8	20
1318	Understanding the effect of carrier proteomes in single cell proteomic studies - key lessons. <i>Expert Review of Proteomics</i> , 2022, 19, 5-15.	1.3	6
1319	Identification and Cross-Characterisation of Artificial Promoters and 5' UTR Untranslated Regions in <i>Vibrio natriegens</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 826142.	2.0	5
1320	Duodenal Mucosal Expression of COVID-19-Related Genes in Health, Diabetic Gastroenteropathy, and Functional Dyspepsia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e2600-e2609.	1.8	3
1321	Epigallocatechin gallate facilitates extracellular elastin fiber formation in induced pluripotent stem cell derived vascular smooth muscle cells for tissue engineering. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 163, 167-174.	0.9	3
1322	Review: RNA-based diagnostic markers discovery and therapeutic targets development in cancer. , 2022, 234, 108123.		37
1323	Single-cell multiomics reveals heterogeneous cell states linked to metastatic potential in liver cancer cell lines. <i>IScience</i> , 2022, 25, 103857.	1.9	11
1324	Glial profiling of human tauopathy brain demonstrates enrichment of astrocytic transcripts in tau-related frontotemporal degeneration. <i>Neurobiology of Aging</i> , 2022, 112, 55-73.	1.5	10
1325	A kainic acid-induced seizure model in human pluripotent stem cell-derived cortical neurons for studying the role of IL-6 in the functional activity. <i>Stem Cell Research</i> , 2022, 60, 102665.	0.3	6
1326	Polysome Fractionation for Transcriptome-Wide Studies of mRNA Translation. <i>Methods in Molecular Biology</i> , 2022, 2418, 223-241.	0.4	7

#	ARTICLE	IF	CITATIONS
1327	Immunomodulatory potential of in vivo natural killer T (NKT) activation by NKTT320 in Mauritian-origin cynomolgus macaques. <i>IScience</i> , 2022, 25, 103889.	1.9	2
1329	Multi-omics-based label-free metabolic flux inference reveals obesity-associated dysregulatory mechanisms in liver glucose metabolism. <i>IScience</i> , 2022, 25, 103787.	1.9	11
1330	Inferring protein expression changes from mRNA in Alzheimer's dementia using deep neural networks. <i>Nature Communications</i> , 2022, 13, 655.	5.8	29
1332	Rapid communication: effects of cadmium exposure on the growth-related genes of <i>Daphnia magna</i> . <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, , 1-4.	1.1	0
1333	Application of Proteomics in Apical Periodontitis. <i>Frontiers in Dental Medicine</i> , 2022, 3, .	0.5	1
1334	Butyric Acid Precursor Tributyrin Modulates Hippocampal Synaptic Plasticity and Prevents Spatial Memory Deficits: Role of PPAR α and AMPK. <i>International Journal of Neuropsychopharmacology</i> , 2022, 25, 498-511.	1.0	7
1336	Pan-cancer quantitation of epithelial-mesenchymal transition dynamics using parallel reaction monitoring-based targeted proteomics approach. <i>Journal of Translational Medicine</i> , 2022, 20, 84.	1.8	3
1337	Cataloguing the proteome: Current developments in single-molecule protein sequencing. <i>Biophysics Reviews</i> , 2022, 3, .	1.0	3
1338	Analysis of Gum proteins involved in xanthan biosynthesis throughout multiple cell fractions in a single-tube. <i>Journal of Proteomics</i> , 2022, 257, 104513.	1.2	3
1339	Toward single-molecule proteomics. <i>Science</i> , 2021, 374, 1443-1444.	6.0	7
1340	Spatial discordances between mRNAs and proteins in the intestinal epithelium. <i>Nature Metabolism</i> , 2021, 3, 1680-1693.	5.1	25
1343	Single-Cell in Research. <i>Methods in Molecular Biology</i> , 2022, 2419, 765-778.	0.4	4
1344	Computational Methods to Identify Cell-Fate Determinants, Identify Transcription Factors, and Niche-Induced Signaling Pathways for Stem Cell Research. <i>Methods in Molecular Biology</i> , 2022, 2471, 83-109.	0.4	2
1345	Putting Humpty Dumpty Back Together Again: What Does Protein Quantification Mean in Bottom-Up Proteomics?. <i>Journal of Proteome Research</i> , 2022, 21, 891-898.	1.8	35
1347	Simian Immunodeficiency Virus Infection Mediated Changes in Jejunal and Peripheral SARS-CoV-2 Receptor ACE2 and Associated Proteins or Genes in Rhesus Macaques. <i>Frontiers in Immunology</i> , 2022, 13, 835686.	2.2	2
1348	Comparison of Cytokines Expression from Human Monocyte-Derived Macrophages Infected with Different Species of Mycobacteria. <i>Journal of Interferon and Cytokine Research</i> , 2022, , .	0.5	1
1349	Stoichiometry of the Gene Products From the Tetrachloroethene Reductive Dehalogenase Operon pceABCT. <i>Frontiers in Microbiology</i> , 2022, 13, 838026.	1.5	4
1350	Multi-Omics Characterization of a Human Stem Cell-Based Model of Cardiac Hypertrophy. <i>Life</i> , 2022, 12, 293.	1.1	5

#	ARTICLE	IF	CITATIONS
1351	Proteome and Network Analysis Provides Novel Insights Into Developing and Established Chemotherapy-Induced Peripheral Neuropathy. <i>Frontiers in Pharmacology</i> , 2022, 13, 818690.	1.6	6
1353	Alterations in Proteostasis System Components in Peripheral Blood Mononuclear Cells in Parkinson Disease: Focusing on the HSP70 and p62 Levels. <i>Biomolecules</i> , 2022, 12, 493.	1.8	4
1354	Abnormal expression and the significant prognostic value of aquaporins in clear cell renal cell carcinoma. <i>PLoS ONE</i> , 2022, 17, e0264553.	1.1	9
1355	Mitochondrial Dysfunction in the Pathogenesis of Preeclampsia. <i>Current Hypertension Reports</i> , 2022, 24, 157-172.	1.5	12
1357	Effect of stimulation time on the expression of human macrophage polarization markers. <i>PLoS ONE</i> , 2022, 17, e0265196.	1.1	28
1360	Changes in Metabotropic Glutamate Receptor Gene Expression in Rat Brain in a Lithium-Pilocarpine Model of Temporal Lobe Epilepsy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2752.	1.8	5
1361	Time-series transcriptomics and proteomics reveal alternative modes to decode p53 oscillations. <i>Molecular Systems Biology</i> , 2022, 18, e10588.	3.2	16
1362	The emerging role of mass spectrometry-based proteomics in drug discovery. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 637-654.	21.5	110
1363	RNA in situ hybridisation as a molecular diagnostic technique targeting IBA1 and CD204 in canine histiocytic sarcoma. <i>Veterinary Medicine and Science</i> , 2022, , .	0.6	1
1364	Trips and neurotransmitters: Discovering principled patterns across 6850 hallucinogenic experiences. <i>Science Advances</i> , 2022, 8, eabl6989.	4.7	34
1365	Inflammation-Related Genes Serve as Prognostic Biomarkers and Involve in Immunosuppressive Microenvironment to Promote Gastric Cancer Progression. <i>Frontiers in Medicine</i> , 2022, 9, 801647.	1.2	2
1366	In-Cell Structural Biology by NMR: The Benefits of the Atomic Scale. <i>Chemical Reviews</i> , 2022, 122, 9497-9570.	23.0	55
1368	Continuous particle separation of microfluidic chip with integrated inertial separation and dielectrophoresis separation. <i>AIP Advances</i> , 2022, 12, .	0.6	2
1369	Roles of RNA-binding proteins in immune diseases and cancer. <i>Seminars in Cancer Biology</i> , 2022, 86, 310-324.	4.3	14
1370	A novel cell line from human eccrine sweat gland duct cells for investigating sweating physiology. <i>International Journal of Cosmetic Science</i> , 2022, 44, 216-231.	1.2	2
1371	Expression of the preadipocyte marker ZFP423 is dysregulated between well-differentiated and dedifferentiated liposarcoma. <i>BMC Cancer</i> , 2022, 22, 300.	1.1	2
1372	Demystifying the O-GlcNAc Code: A Systems View. <i>Chemical Reviews</i> , 2022, 122, 15822-15864.	23.0	30
1373	Distinct spatial arrangements of ACE2 and TMPRSS2 expression in Syrian hamster lung lobes dictates SARS-CoV-2 infection patterns. <i>PLoS Pathogens</i> , 2022, 18, e1010340.	2.1	13

#	ARTICLE	IF	CITATIONS
1374	TRPM1 promotes tumor progression in acral melanoma by activating the Ca ²⁺ /CaMKII β /AKT pathway. <i>Journal of Advanced Research</i> , 2022, , .	4.4	5
1375	Gene Expression Analysis of the Endocannabinoid System in Presymptomatic APP/PS1 Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 864591.	1.6	5
1376	Evaluation of machine learning models on protein level inference from prioritized RNA features. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	3
1377	Multiple gene expression in plants using MIDAS ϵ P, a versatile type II restriction ϵ -based modular expression vector. <i>Biotechnology and Bioengineering</i> , 2022, , .	1.7	8
1378	Microglia in Alzheimer's Disease: a Key Player in the Transition Between Homeostasis and Pathogenesis. <i>Neurotherapeutics</i> , 2022, 19, 186-208.	2.1	19
1379	Immune-Mediated Inflammatory Responses of Alveolar Epithelial Cells: Implications for COVID-19 Lung Pathology. <i>Biomedicines</i> , 2022, 10, 618.	1.4	16
1380	Simultaneous expansion microscopy imaging of proteins and mRNAs via dual-ExM. <i>Scientific Reports</i> , 2022, 12, 3360.	1.6	7
1382	Integrative multi-omics and drug response profiling of childhood acute lymphoblastic leukemia cell lines. <i>Nature Communications</i> , 2022, 13, 1691.	5.8	20
1383	Protein synthesis control in cancer: selectivity and therapeutic targeting. <i>EMBO Journal</i> , 2022, 41, e109823.	3.5	24
1384	Enhanced protein isoform characterization through long-read proteogenomics. <i>Genome Biology</i> , 2022, 23, 69.	3.8	33
1386	High temporal resolution proteome and phosphoproteome profiling of stem cell-derived hepatocyte development. <i>Cell Reports</i> , 2022, 38, 110604.	2.9	8
1387	Multi-omics & pathway analysis identify potential roles for tumor N-acetyl aspartate accumulation in murine models of castration-resistant prostate cancer. <i>iScience</i> , 2022, 25, 104056.	1.9	5
1388	The effect of inulin-type fructans on the intestinal immune function of antibiotic-treated mice. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3265-3278.	1.7	2
1389	Quantitative BONCAT Allows Identification of Newly Synthesized Proteins after Optic Nerve Injury. <i>Journal of Neuroscience</i> , 2022, 42, 4042-4052.	1.7	6
1390	Environment ϵ -driven shifts in interindividual variation and phenotypic integration within subnetworks of the mussel transcriptome and proteome. <i>Molecular Ecology</i> , 2022, 31, 3112-3127.	2.0	6
1392	Statistical and machine learning methods to study human CD4 ⁺ T cell proteome profiles. <i>Immunology Letters</i> , 2022, 245, 8-17.	1.1	3
1393	Fibroblast growth factor 2: Role in prenatal alcohol-induced stimulation of hypothalamic peptide neurons. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 116, 110536.	2.5	3
1394	Maternal exposure to bisphenol S induces neuropeptide signaling dysfunction and oxidative stress in the brain, and abnormal social behaviors in zebrafish (<i>Danio rerio</i>) offspring. <i>Science of the Total Environment</i> , 2022, 830, 154794.	3.9	10

#	ARTICLE	IF	CITATIONS
1395	Insights into the hepatotoxicity of pyrene and 1-chloropyrene using an integrated approach of metabolomics and transcriptomics. <i>Science of the Total Environment</i> , 2022, 829, 154637.	3.9	2
1396	Application of Domain- and Genotype-Specific Models to Infer Post-Transcriptional Regulation of Segmentation Gene Expression in <i>Drosophila</i> . <i>Life</i> , 2021, 11, 1232.	1.1	0
1397	Construction of a tunable promoter library to optimize gene expression in <i>Methylomonas</i> sp. DH-1, a methanotroph, and its application to cadaverine production. <i>Biotechnology for Biofuels</i> , 2021, 14, 228.	6.2	8
1399	Msi2-mediated MiR7 processing repression promotes myogenesis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 728-742.	2.9	18
1400	Spatial-proteomics reveals phospho-signaling dynamics at subcellular resolution. <i>Nature Communications</i> , 2021, 12, 7113.	5.8	38
1401	Accurate Prediction of Protein Sequences for Proteogenomics Data Integration. <i>Methods in Molecular Biology</i> , 2022, 2420, 233-260.	0.4	0
1402	Integrative analysis of the salt stress response in cyanobacteria. <i>Biology Direct</i> , 2021, 16, 26.	1.9	20
1403	<i>Mentha arvensis</i> Essential Oil Exerts Anti-Inflammatory in LPS-Stimulated Inflammatory Responses via Inhibition of ERK/NF- κ B Signaling Pathway and Anti-Atopic Dermatitis-like Effects in 2,4-Dinitrochlorobenzene-Induced BALB/c Mice. <i>Antioxidants</i> , 2021, 10, 1941.	2.2	26
1404	Association of pigment epithelium derived factor expression with cancer progression and prognosis: a meta-analysis study. <i>Discover Oncology</i> , 2021, 12, 61.	0.8	2
1405	The In Vivo Transcriptomic Blueprint of <i>Mycobacterium tuberculosis</i> in the Lung. <i>Frontiers in Immunology</i> , 2021, 12, 763364.	2.2	4
1406	Stingray Venom Proteins: Mechanisms of Action Revealed Using a Novel Network Pharmacology Approach. <i>Marine Drugs</i> , 2022, 20, 27.	2.2	6
1407	μ -Crystallin Is Associated with Disease Outcome in Head and Neck Squamous Cell Carcinoma. <i>Journal of Personalized Medicine</i> , 2021, 11, 1330.	1.1	4
1408	Proteogenomic Analysis Reveals Proteins Involved in the First Step of Adipogenesis in Human Adipose-Derived Stem Cells. <i>Stem Cells International</i> , 2021, 2021, 1-14.	1.2	5
1409	Developmental Effects of (Pre-)Gestational Diabetes on Offspring: Systematic Screening Using Omics Approaches. <i>Genes</i> , 2021, 12, 1991.	1.0	8
1411	Implementation of Clinical Phosphoproteomics and Proteomics for Personalized Medicine. <i>Methods in Molecular Biology</i> , 2022, 2420, 87-106.	0.4	3
1412	Differential brain ADRA2A and ADRA2C gene expression and epigenetic regulation in schizophrenia. Effect of antipsychotic drug treatment. <i>Translational Psychiatry</i> , 2021, 11, 643.	2.4	10
1413	Could Causal Discovery in Proteogenomics Assist in Understanding Gene-Protein Relations? A Perennial Fruit Tree Case Study Using Sweet Cherry as a Model. <i>Cells</i> , 2022, 11, 92.	1.8	7
1414	Translational control by helicases during cellular stress. <i>Methods in Enzymology</i> , 2022, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1415	Comparative Proteomics Combined with Morphophysiological Analysis Revealed Chilling Response Patterns in Two Contrasting Maize Genotypes. <i>Cells</i> , 2022, 11, 1321.	1.8	1
1416	Orai1 downregulation causes proliferation reduction and cell cycle arrest via inactivation of the Ras-NF- κ B signaling pathway in osteoblasts. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 347.	0.8	1
1419	Omics-based biomarkers for diagnosis and prediction of kidney allograft rejection. <i>Korean Journal of Internal Medicine</i> , 2022, 37, 520-533.	0.7	6
1420	Millimeter waves alter DNA secondary structures and modulate the transcriptome in human fibroblasts. <i>Biomedical Optics Express</i> , 2022, 13, 3131.	1.5	6
1421	Inhibition of Gas6 promotes crystalline silica-induced inflammatory response of macrophages via blocking autophagy flux. <i>Environmental Toxicology</i> , 2022, , .	2.1	3
1422	Propofol attenuates odontogenic/osteogenic differentiation of human dental pulp stem cells in vitro. <i>Journal of Dental Sciences</i> , 2022, , .	1.2	0
1424	Chlamydia pneumoniae Interferes with Macrophage Differentiation and Cell Cycle Regulation to Promote Its Replication. <i>Cellular Microbiology</i> , 2022, 2022, 1-19.	1.1	0
1426	Bee glue scientometrics and therapeutics: phytochemical screening, methodological trends and prospects. <i>Journal of Apicultural Research</i> , 0, , 1-14.	0.7	0
1529	Expression of the histone lysine methyltransferases SETD1B, SETDB1, SETD2, and CFP1 exhibits significant changes in the oocytes and granulosa cells of aged mouse ovaries. <i>Histochemistry and Cell Biology</i> , 2022, 158, 79-95.	0.8	6
1531	The Effects of Exercise on Cerebellar Growth-Associated Protein 43 and Adenylyl Cyclase- Associated Protein 1 Gene Expression and Proteins in Diabetic-Induced Neuropathy and Healthy Male Wistar Rats.. <i>International Journal of Preventive Medicine</i> , 2021, 12, 137.	0.2	0
1532	The Ameliorating Effects of Apple Polyphenol Extract on High-Fat-Diet-Induced Hepatic Steatosis Are SIRT1-Dependent: Evidence from Hepatic-Specific SIRT1 Heterozygous Mutant C57BL/6 Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5579-5594.	2.4	11
1533	Pathogen within-host dynamics and disease outcome: what can we learn from insect studies?. <i>Current Opinion in Insect Science</i> , 2022, 52, 100925.	2.2	3
1535	Multiomic Profiling Identified EGF Receptor Signaling as a Potential Inhibitor of Type I Interferon Response in Models of Oncolytic Therapy by Vesicular Stomatitis Virus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5244.	1.8	3
1536	Targeted proteoform mapping uncovers specific Neurexin-3 variants required for dendritic inhibition. <i>Neuron</i> , 2022, 110, 2094-2109.e10.	3.8	18
1537	Expression of the hedgehog signalling pathway and the effect of inhibition at the level of smoothed in canine osteosarcoma cell lines. <i>Veterinary and Comparative Oncology</i> , 2022, 20, 778-787.	0.8	2
1538	Key Genes Identified in Nonsyndromic Microtia by the Analysis of Transcriptomics and Proteomics. <i>ACS Omega</i> , 2022, 7, 16917-16927.	1.6	6
1539	Deregulation of complement components C4A and CSMD1 peripheral expression in first-episode psychosis and links to cognitive ability. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2022, 272, 1219-1228.	1.8	10
1540	Breed-specific expression mode of the Wnt signalling pathway is involved in feather follicle morphogenesis between <i>Anser cygnoide</i> and <i>Anser anser</i> . <i>Journal of Applied Animal Research</i> , 2022, 50, 299-306.	0.4	0

#	ARTICLE	IF	CITATIONS
1541	Discrete Biochemical Systems Theory. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	1.6	3
1542	A Molecular Landscape of Mouse Hippocampal Neuromodulation. <i>Frontiers in Neural Circuits</i> , 2022, 16, .	1.4	2
1543	A High-Fat Diet Induces Low-Grade Cochlear Inflammation in CD-1 Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5179.	1.8	5
1544	7,8-DHF enhances SHH in the hippocampus and striatum during early abstinence but has minor effects on alcohol intake in IA2BC paradigm and abstinence-related anxiety-like behavior in rats. <i>Neuroscience Letters</i> , 2022, 781, 136671.	1.0	2
1545	Regulation of perineuronal net components in the synaptic bouton vicinity on lumbar $\hat{1}\pm$ -motoneurons in the rat after spinalization and locomotor training: New insights from spatio-temporal changes in gene, protein expression and WFA labeling. <i>Experimental Neurology</i> , 2022, 354, 114098.	2.0	4
1546	Modulation of ATP8B1 Gene Expression in Colorectal Cancer Cells Suggest its Role as a Tumor Suppressor. <i>Current Cancer Drug Targets</i> , 2022, 22, 577-590.	0.8	5
1547	Low HECTD1 mRNA expression is associated with poor prognosis and may be correlated with increased mitochondrial respiratory function in breast cancer.. <i>American Journal of Cancer Research</i> , 2022, 12, 1593-1605.	1.4	0
1548	Insulin Directs Dichotomous Translational Regulation to Control Human Pluripotent Stem Cell Survival, Proliferation and Pluripotency. <i>International Journal of Biological Sciences</i> , 2022, 18, 3562-3575.	2.6	0
1550	Effects of Drugs Formerly Suggested for COVID-19 Repurposing on Pannexin1 Channels. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5664.	1.8	1
1551	Generating dynamic gene expression patterns without the need for regulatory circuits. <i>PLoS ONE</i> , 2022, 17, e0268883.	1.1	0
1552	Molecular analysis of vascular gene expression. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022, 6, e12718.	1.0	3
1553	Regulation of TLR10 Expression and Its Role in Chemotaxis of Human Neutrophils. <i>Journal of Innate Immunity</i> , 2022, 14, 629-642.	1.8	0
1554	Proteomics study on the changes in amino acid metabolism during broccoli senescence induced by elevated O2 storage. <i>Food Research International</i> , 2022, 157, 111418.	2.9	12
1555	Proteome allocations change linearly with the specific growth rate of <i>Saccharomyces cerevisiae</i> under glucose limitation. <i>Nature Communications</i> , 2022, 13, .	5.8	28
1559	Genes encoding the photosystem II proteins are under purifying selection: an insight into the early evolution of oxygenic photosynthesis. <i>Photosynthesis Research</i> , 2022, 153, 163-175.	1.6	3
1561	Single-Cell Proteomics: The Critical Role of Nanotechnology. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6707.	1.8	9
1562	Challenges and opportunities in the use of transcriptomic characterization of human iPSC-derived BBB models. <i>Toxicology in Vitro</i> , 2022, 84, 105424.	1.1	0
1563	Proteomic Analyses Reveal Higher Levels of Neutrophil Activation in Men Than in Women With Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3

#	ARTICLE	IF	CITATIONS
1565	Carnosol, a diterpene present in rosemary, increases ELP1 levels in familial dysautonomia patient-derived cells and healthy adults: a possible therapy for FD. <i>Human Molecular Genetics</i> , 2022, 31, 3521-3538.	1.4	1
1566	Leptin modulated microRNA-628-5p targets Jagged-1 and inhibits prostate cancer hallmarks. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
1567	Cell-Type-Specific Expression of Hyaluronan Synthases HAS2 and HAS3 Promotes Goblet Cell Hyperplasia in Allergic Airway Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, 360-374.	1.4	3
1568	Evaluation of a Selective Chemical Probe Validates That CK2 Mediates Neuroinflammation in a Human Induced Pluripotent Stem Cell-Derived Microglial Model. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	11
1569	Reducing Peptide Sequence Bias in Quantitative Mass Spectrometry Data with Machine Learning. <i>Journal of Proteome Research</i> , 2022, 21, 1771-1782.	1.8	8
1570	Enhanced metabolism and negative regulation of ER stress support higher erythropoietin production in HEK293 cells. <i>Cell Reports</i> , 2022, 39, 110936.	2.9	4
1571	Unbiased spatial proteomics with single-cell resolution in tissues. <i>Molecular Cell</i> , 2022, 82, 2335-2349.	4.5	85
1572	Construction and contextualization approaches for protein-protein interaction networks. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 3280-3290.	1.9	2
1573	Drought induces epitranscriptome and proteome changes in stem-differentiating xylem of <i>Populus trichocarpa</i> . <i>Plant Physiology</i> , 2022, 190, 459-479.	2.3	18
1574	Prognostic significance of MATR3 in stage I and II non-small cell lung cancer patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 3313-3322.	1.2	5
1575	Single-Cell Chemical Proteomics (SCCP) Interrogates the Timing and Heterogeneity of Cancer Cell Commitment to Death. <i>Analytical Chemistry</i> , 2022, 94, 9261-9269.	3.2	15
1576	Ubiquitin E3 ligase Atrogin-1 protein is regulated via the rapamycin-sensitive mTOR-S6K1 signaling pathway in C2C12 muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C215-C225.	2.1	6
1577	As in Real Estate, Location Matters: Cellular Expression of Complement Varies Between Macular and Peripheral Regions of the Retina and Supporting Tissues. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	19
1578	Transcriptomics-based analysis of co-exposure of cadmium (Cd) and 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) indicates mitochondrial dysfunction induces NLRP3 inflammasome and inflammatory cell death in renal tubular epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113790.	2.9	8
1579	Horizontal Integration: OMICS – Mass Spectrometry-Based Proteomics in Systems Biology Research. , 2022, , .		0
1580	The prognostic role of PSMD14 in head and neck squamous cell carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 2483-2490.	1.2	3
1581	Tryptophan Metabolites as Mediators of Microbiota-Gut-Brain Communication: Focus on Isatin. <i>Frontiers in Behavioral Neuroscience</i> , 0, 16, .	1.0	10
1582	High-throughput imaging of mRNA at the single-cell level in human primary immune cells. <i>Rna</i> , 0, , rna.079239.122.	1.6	1

#	ARTICLE	IF	CITATIONS
1583	Biomarkers for Cyclin-Dependent Kinase 4/6 Inhibitors in the Treatment of Hormone Receptor-Positive/Human Epidermal Growth Factor Receptor 2-Negative Advanced/Metastatic Breast Cancer: Translation to Clinical Practice. <i>JCO Precision Oncology</i> , 2022, , .	1.5	4
1584	The Big Picture of Neurodegeneration: A Meta Study to Extract the Essential Evidence on Neurodegenerative Diseases in a Network-Based Approach. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
1585	Kinome profiling of cholangiocarcinoma organoids reveals potential druggable targets that hold promise for treatment stratification. <i>Molecular Medicine</i> , 2022, 28, .	1.9	2
1590	Diet triggers specific responses of hypothalamic astrocytes in time and region dependent manner. <i>Glia</i> , 2022, 70, 2062-2078.	2.5	12
1591	Phosphate-inducible poly-hydroxy butyrate production dynamics in CO2 supplemented upscaled cultivation of engineered <i>Phaeodactylum tricornutum</i> . <i>Journal of Applied Phycology</i> , 2022, 34, 2259-2270.	1.5	4
1592	Applications of artificial intelligence multiomics in precision oncology. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 503-510.	1.2	9
1593	Consensus draft of the native mouse podocyte-ome. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 323, F182-F197.	1.3	6
1595	Pan-cancer proteomic map of 949 human cell lines. <i>Cancer Cell</i> , 2022, 40, 835-849.e8.	7.7	52
1596	Monocyte biomarkers define sargramostim treatment outcomes for Parkinson's disease. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	11
1597	The surfaceome of multiple myeloma cells suggests potential immunotherapeutic strategies and protein markers of drug resistance. <i>Nature Communications</i> , 2022, 13, .	5.8	26
1598	Acid-base homeostasis and implications to the phenotypic behaviors of cancer. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, , .	3.0	3
1599	Constraint-Based Reconstruction and Analyses of Metabolic Models: Open-Source Python Tools and Applications to Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	6
1600	Effect of the gene silencing of phosphorus transporters on phosphorus absorption across primary cultured duodenal epithelial cell monolayers of chick embryos. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2076-2085.	1.7	1
1601	Water Droplet-in-Oil Digestion Method for Single-Cell Proteomics. <i>Analytical Chemistry</i> , 2022, 94, 10329-10336.	3.2	6
1602	Proteomic analysis of carp seminal plasma provides insights into the immune response to bacterial infection of the male reproductive system. <i>Fish and Shellfish Immunology</i> , 2022, 127, 822-835.	1.6	2
1603	Exposure to a human relevant mixture of persistent organic pollutants or to perfluorooctane sulfonic acid alone dysregulates the developing cerebellum of chicken embryo. <i>Environment International</i> , 2022, 166, 107379.	4.8	4
1604	Dissecting the Chloroplast Proteome of the Potato (<i>Solanum Tuberosum</i> L.) and Its Comparison with the Tuber Amyloplast Proteome. <i>Plants</i> , 2022, 11, 1915.	1.6	4
1605	The kidney matrisome in health, aging, and disease. <i>Kidney International</i> , 2022, 102, 1000-1012.	2.6	11

#	ARTICLE	IF	CITATIONS
1606	Stress-related expression of the chloroplast EGY3 pseudoprotease and its possible impact on chloroplasts' proteome composition. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
1607	Characterization of the Expression of Angiogenic Factors in Cutaneous Squamous Cell Carcinoma of Domestic Cats. <i>Veterinary Sciences</i> , 2022, 9, 375.	0.6	3
1608	Quantitative proteome remodeling characterization of two human reference pluripotent stem cell lines during neurogenesis and cardiomyogenesis. <i>Proteomics</i> , 2022, 22, .	1.3	1
1609	Integrating knowledge and omics to decipher mechanisms via large-scale models of signaling networks. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	23
1610	Cardiac gene activation varies between young and adult cats and in the presence of hypertrophic cardiomyopathy. <i>Research in Veterinary Science</i> , 2022, 152, 38-47.	0.9	2
1612	Insight Into the Metabolic Adaptations of Electrically Pulse-Stimulated Human Myotubes Using Global Analysis of the Transcriptome and Proteome. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	8
1613	Establishment of a male fertility prediction model with sperm RNA markers in pigs as a translational animal model. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	6
1614	An Optimized Protocol for the Mapping of Cell Type-Specific Ribosome-Associated Transcript Isoforms from Small Mouse Brain Regions. <i>Methods in Molecular Biology</i> , 2022, , 37-49.	0.4	3
1615	Large protein complex interfaces have evolved to promote cotranslational assembly. <i>ELife</i> , 0, 11, .	2.8	13
1616	Regulation of alternative polyadenylation by the C2H2-zinc-finger protein Sp1. <i>Molecular Cell</i> , 2022, 82, 3135-3150.e9.	4.5	14
1617	Deletion of <i>Abi3/Gngt2</i> influences age-progressive amyloid β^2 and tau pathologies in distinctive ways. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	6
1618	Functional genomic tools for emerging model species. <i>Trends in Ecology and Evolution</i> , 2022, 37, 1104-1115.	4.2	13
1619	Structural basis for the calmodulin-mediated activation of eukaryotic elongation factor 2 kinase. <i>Science Advances</i> , 2022, 8, .	4.7	5
1620	Recent advances in proteomics and metabolomics in plants. <i>Molecular Horticulture</i> , 2022, 2, .	2.3	21
1621	Organic zinc with moderate chelation strength enhances zinc absorption in the small intestine and expression of related transporters in the duodenum of broilers. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	7
1622	The emerging landscape of spatial profiling technologies. <i>Nature Reviews Genetics</i> , 2022, 23, 741-759.	7.7	149
1623	The potential role of DNA methylation as preventive treatment target of epileptogenesis. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	3
1625	The Activity of <i>Chelidonium majus</i> L. Latex and Its Components on HPV Reveal Insights into the Antiviral Molecular Mechanism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9241.	1.8	6

#	ARTICLE	IF	CITATIONS
1626	Ocular proteomic and transcriptomic changes with aging in a rabbit model of lensectomy with intraocular lens insertion. <i>Experimental Eye Research</i> , 2022, 225, 109219.	1.2	0
1628	<scp>eEF2</scp> in the prefrontal cortex promotes excitatory synaptic transmission and social novelty behavior. <i>EMBO Reports</i> , 2022, 23, .	2.0	7
1629	Proteogenomics reveals sex-biased aging genes and coordinated splicing in cardiac aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H538-H558.	1.5	11
1631	Forming cytoplasmic stress granules PUR1± suppresses mRNA translation initiation of IGFBP3 to promote esophageal squamous cell carcinoma progression. <i>Oncogene</i> , 2022, 41, 4336-4348.	2.6	2
1632	The dynamic proteome in <i>Arabidopsis thaliana</i> early embryogenesis. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	2
1635	The Brain Protein Atlas: A conglomerate of proteomics datasets of human neural tissue. <i>Proteomics</i> , 2022, 22, .	1.3	8
1636	Î±â€²â€²macroglobulin, an infectionâ€resistant biomarker in <i>Epinephelus fuscoguttatus</i> (ForsskÃ¥l, 1775). <i>Aquaculture Research</i> , 2022, 53, 5618-5627.	0.9	2
1638	The amino acid sensor GCN2 controls red blood cell clearance and iron metabolism through regulation of liver macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	5
1639	Pituitary adenomas evade apoptosis via noxa deregulation in Cushingâ€™s disease. <i>Cell Reports</i> , 2022, 40, 111223.	2.9	5
1640	Quantifying the phenotypic information in <scp>mRNA</scp> abundance. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	2
1641	Integrating human brain proteomic data with genome-wide association study findings identifies novel brain proteins in substance use traits. <i>Neuropsychopharmacology</i> , 2022, 47, 2292-2299.	2.8	6
1642	mTOR and HDAC2 are simultaneously activated during electrically induced kindling of seizures. <i>Epilepsy Research</i> , 2022, 185, 106991.	0.8	1
1643	BET inhibition induces vulnerability to MCL1 targeting through upregulation of fatty acid synthesis pathway in breast cancer. <i>Cell Reports</i> , 2022, 40, 111304.	2.9	1
1644	Fluorescence Spectroscopy of Low-Level Endogenous Î²-Adrenergic Receptor Expression at the Plasma Membrane of Differentiating Human iPSC-Derived Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10405.	1.8	1
1645	Perfluorooctanoic acid (PFOA) promotes follicular growth and alters expression of genes that regulate the cell cycle and the Hippo pathway in cultured neonatal mouse ovaries. <i>Toxicology and Applied Pharmacology</i> , 2022, 454, 116253.	1.3	3
1646	Functional high-throughput screen identifies microRNAs that promote butyrate-induced death in colorectal cancer cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 30, 30-47.	2.3	5
1647	Evolution of higher mesenchymal CD44 expression in the human lineage. <i>Evolution, Medicine and Public Health</i> , 2022, 10, 447-462.	1.1	4
1648	Proteomic changes associated with racial background and sepsis survival outcomes. <i>Molecular Omics</i> , 0, , .	1.4	4

#	ARTICLE	IF	CITATIONS
1649	PTMs: A Missing Piece for Schizophrenia Studies. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 119-127.	0.8	0
1650	Molecular cloning of two maize (<italic>Zea mays</italic>) <italic>ZmCOP1</italic> genes and their transcription abundances in response to different light treatments. <i>Acta Agronomica Sinica</i> (China), 2022, 48, 1312-1324.	0.1	0
1651	NDUFS4 promotes tumor progression and predicts prognosis in gastric cancer. <i>Carcinogenesis</i> , 2022, 43, 980-987.	1.3	2
1653	SIRT1 activation synergizes with FXR agonism in hepatoprotection via governing nucleocytoplasmic shuttling and degradation of FXR. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 559-576.	5.7	6
1655	RNA-sequencing and mass-spectrometry proteomic time-series analysis of T-cell differentiation identified multiple splice variants models that predicted validated protein biomarkers in inflammatory diseases. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	3
1656	Controlling gene expression with deep generative design of regulatory DNA. <i>Nature Communications</i> , 2022, 13, .	5.8	27
1658	Artificial intelligence defines protein-based classification of thyroid nodules. <i>Cell Discovery</i> , 2022, 8, .	3.1	10
1660	Renal oncometabolite L-2-hydroxyglutarate imposes a block in kidney tubulogenesis: Evidence for an epigenetic basis for the L-2HG-induced impairment of differentiation. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
1661	Differential Protective Effect of Resveratrol and Its Microbial Metabolites on Intestinal Barrier Dysfunction is Mediated by the AMPK Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 11301-11313.	2.4	13
1662	Selective recruitment of stress-responsive mRNAs to ribosomes for translation by acetylated protein S1 during nutrient stress in <i>Escherichia coli</i> . <i>Communications Biology</i> , 2022, 5, .	2.0	8
1664	Combined protein and transcript single-cell RNA sequencing in human peripheral blood mononuclear cells. <i>BMC Biology</i> , 2022, 20, .	1.7	12
1665	Physiological responses in Nile tilapia (<i>Oreochromis niloticus</i>) induced by combined stress of environmental salinity and triphenyltin. <i>Marine Environmental Research</i> , 2022, 180, 105736.	1.1	5
1666	Lactic acid bacteria as biocontrol agents to reduce <i>Staphylococcus aureus</i> growth, enterotoxin production and virulence gene expression. <i>LWT - Food Science and Technology</i> , 2022, 170, 114025.	2.5	8
1667	Inflammatory and Proliferative Pathway Activation in Human Esophageal Myofibroblasts Treated with Acidic Bile Salts. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10371.	1.8	4
1668	Identification of antiparasitic drug targets using a multi-omics workflow in the acanthocephalan model. <i>BMC Genomics</i> , 2022, 23, .	1.2	1
1670	Experimental reproducibility limits the correlation between mRNA and protein abundances in tumor proteomic profiles. <i>Cell Reports Methods</i> , 2022, 2, 100288.	1.4	11
1671	Caspase-2 mRNA levels are not elevated in mild cognitive impairment, Alzheimerâ€™s disease, Huntingtonâ€™s disease, or Lewy Body dementia. <i>PLoS ONE</i> , 2022, 17, e0274784.	1.1	3
1672	Ultracellular Imaging of Bronchoalveolar Lavage from Young COVID-19 Patients with Comorbidities Showed Greater SARS-COV-2 Infection but Lesser Ultrastructural Damage Than the Older Patients. <i>Microscopy and Microanalysis</i> , 2022, 28, 2105-2129.	0.2	3

#	ARTICLE	IF	CITATIONS
1673	Use of long non-coding RNAs for the molecular diagnosis of papillary thyroid cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	5
1674	Quantitative proteomics of small numbers of closely-related cells: Selection of the optimal method for a clinical setting. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	3
1675	METTLing in Stem Cell and Cancer Biology. <i>Stem Cell Reviews and Reports</i> , 2023, 19, 76-91.	1.7	11
1677	Proteotype coevolution and quantitative diversity across 11 mammalian species. <i>Science Advances</i> , 2022, 8, .	4.7	10
1678	Reactivation of cocaine contextual memory engages mechanistic target of rapamycin/S6 kinase 1 signaling. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	5
1679	Examining the role of paraoxonase 2 in the dopaminergic system of the mouse brain. <i>BMC Neuroscience</i> , 2022, 23, .	0.8	2
1682	Challenges for the development of a universal vaccine against leptospirosis revealed by the evaluation of 22 vaccine candidates. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	7
1683	Thermal preconditioning in a reef-building coral alleviates oxidative damage through a BI-1-mediated antioxidant response. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	3
1684	Possibilities and promise: Leveraging advances in transcriptomics for clinical decision making in allergic diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 756-765.	1.5	3
1685	Correspondence between gene expression and neurotransmitter receptor and transporter density in the human brain. <i>NeuroImage</i> , 2022, 264, 119671.	2.1	20
1686	KrÄppel-like factor 7 influences translation and pathways involved in ribosomal biogenesis in breast cancer. <i>Breast Cancer Research</i> , 2022, 24, .	2.2	5
1687	Pancancer transcriptomic profiling identifies key PANoptosis markers as therapeutic targets for oncology. <i>NAR Cancer</i> , 2022, 4, .	1.6	17
1688	Advances in sex disparities for cancer immunotherapy: unveiling the dilemma of Yin and Yang. <i>Biology of Sex Differences</i> , 2022, 13, .	1.8	9
1689	Global and gene-specific translational regulation in <i>Escherichia coli</i> across different conditions. <i>PLoS Computational Biology</i> , 2022, 18, e1010641.	1.5	2
1690	The physiology of alternative splicing. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 242-254.	16.1	84
1691	Tuning pro-survival effects of human induced pluripotent stem cell-derived exosomes using elastin-like polypeptides. <i>Biomaterials</i> , 2022, 291, 121864.	5.7	2
1692	Real-time dynamic single-molecule protein sequencing on an integrated semiconductor device. <i>Science</i> , 2022, 378, 186-192.	6.0	39
1694	Transcriptomic and proteomic profiling of NaV1.8-expressing mouse nociceptors. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	4

#	ARTICLE	IF	CITATIONS
1695	The Translational Landscape Revealed the Sequential Treatment Containing ATRA plus PI3K/AKT Inhibitors as an Efficient Strategy for AML Therapy. <i>Pharmaceutics</i> , 2022, 14, 2329.	2.0	2
1696	Low TINAGL1 expression is a marker for poor prognosis in breast cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 0, , .	1.2	1
1697	Short- and long-term single and combined effects of microplastics and chromium on the freshwater water flea <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2022, 253, 106348.	1.9	14
1698	Influence of COPD systemic environment on the myogenic function of muscle precursor cells in vitro. <i>Respiratory Research</i> , 2022, 23, .	1.4	1
1699	Exploring the Biology of Cancer-Associated Fibroblasts in Pancreatic Cancer. <i>Cancers</i> , 2022, 14, 5302.	1.7	6
1700	Heat-Induced Proteotoxic Stress Response in Placenta-Derived Stem Cells (PDSCs) Is Mediated through HSPA1A and HSPA1B with a Potential Higher Role for HSPA1B. <i>Current Issues in Molecular Biology</i> , 2022, 44, 4748-4768.	1.0	0
1702	Regulation of TGF- β 1-Induced EMT by Autophagy-Dependent Energy Metabolism in Cancer Cells. <i>Cancers</i> , 2022, 14, 4845.	1.7	4
1703	A call for more ecologically and evolutionarily relevant studies of immune costs. <i>Evolutionary Ecology</i> , 2023, 37, 203-214.	0.5	4
1704	Bisphenols A and F, but not S, induce apoptosis in bovine granulosa cells via the intrinsic mitochondrial pathway. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
1706	Does ACE2 mediate the detrimental effect of exposures related to COVID-19 risk: A Mendelian randomization investigation. <i>Journal of Medical Virology</i> , 2023, 95, .	2.5	5
1707	A narrative review of the calcitonin peptide family and associated receptors as migraine targets: <sc>Calcitonin gene-related peptide</sc> and beyond. <i>Headache</i> , 2022, 62, 1093-1104.	1.8	15
1708	Targeted Proteomic Analysis of Small GTPases in Radioresistant Breast Cancer Cells. <i>Analytical Chemistry</i> , 2022, 94, 14925-14930.	3.2	2
1709	Proteome alterations during clonal isolation of established human pancreatic cancer cell lines. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	4
1710	Willin/FRMD6 Mediates Mitochondrial Dysfunction Relevant to Neuronal $\text{A}\beta$ Toxicity. <i>Cells</i> , 2022, 11, 3140.	1.8	2
1711	A Systematic Review on Attenuation of PCSK9 in Relation to Atherogenesis Biomarkers Associated with Natural Products or Plant Bioactive Compounds in In Vitro Studies: A Critique on the Quality and Imprecision of Studies. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12878.	1.2	2
1712	A developmental atlas of somatosensory diversification and maturation in the dorsal root ganglia by single-cell mass cytometry. <i>Nature Neuroscience</i> , 2022, 25, 1543-1558.	7.1	10
1713	Intracellular Multicomponent Synchronous DNA-Walking Strategy for the Simultaneous Quantification of Tumor-Associated Proteins in a Single Cell. <i>Analytical Chemistry</i> , 2022, 94, 15847-15855.	3.2	10
1714	Orchestration of mesenchymal plasticity and immune evasiveness via rewiring of the metabolic program in pancreatic ductal adenocarcinoma. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1

#	ARTICLE	IF	CITATIONS
1715	Genome-wide base editor screen identifies regulators of protein abundance in yeast. <i>ELife</i> , 0, 11, .	2.8	7
1716	Increased FOXJ1 protein expression is associated with improved overall survival in high-grade serous ovarian carcinoma: an Ovarian Tumor Tissue Analysis Consortium Study. <i>British Journal of Cancer</i> , 0, , .	2.9	2
1717	Resveratrol enhances A1 and hinders A2A adenosine receptors signaling in both HeLa and SH-SY5Y cells: Potential mechanism of its antitumoral action. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
1718	Common changes in rat cortical gene expression after chronic treatment with chlorpromazine and haloperidol may be related to their antipsychotic efficacy. , 2023, 2, 101015.		4
1719	Benzotriazole ultraviolet stabilizer UV-234 promotes foam cell formation in RAW264.7 macrophages. <i>Environmental Pollution</i> , 2023, 316, 120560.	3.7	1
1720	Expression changes of non-specific cytotoxic cell receptor (NCCRP1) and proliferation and migration of NCCs post- <i>Nocardia seriolae</i> infection in Northern Snakehead. <i>Developmental and Comparative Immunology</i> , 2023, 139, 104576.	1.0	5
1721	Expression of specific <scp>HLA</scp> class <scp>II</scp> alleles is associated with an increased risk for active tuberculosis and a distinct gene expression profile. <i>Hla</i> , 2023, 101, 124-137.	0.4	3
1722	Retinoic acid signaling is critical for generation of pancreatic progenitors from human embryonic stem cells. <i>Growth Factors</i> , 2023, 41, 8-19.	0.5	2
1723	EMT Molecular Signatures of Pancreatic Neuroendocrine Neoplasms. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13645.	1.8	3
1724	Development and validation of a novel hypoxia-related signature for prognostic and immunogenic evaluation in head and neck squamous cell carcinoma. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	6
1725	Anticancer Effects of Thymoquinone through the Antioxidant Activity, Upregulation of Nrf2, and Downregulation of PD-L1 in Triple-Negative Breast Cancer Cells. <i>Nutrients</i> , 2022, 14, 4787.	1.7	7
1726	Protective interaction of human phagocytic APC subsets with <i>Cryptococcus neoformans</i> induces genes associated with metabolism and antigen presentation. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
1727	The application of high-throughput proteomics in cytopathology. <i>Journal of Pathology and Translational Medicine</i> , 2022, 56, 309-318.	0.4	1
1728	Retinal regions shape human and murine Müller cell proteome profile and functionality. <i>Glia</i> , 2023, 71, 391-414.	2.5	5
1731	The alternative proteome in neurobiology. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	3
1732	Tumor and stroma COL8A1 secretion induces autocrine and paracrine progression signaling in pancreatic ductal adenocarcinoma. <i>Matrix Biology</i> , 2022, 114, 84-107.	1.5	5
1733	Multomics analysis couples mRNA turnover and translational control of glutamine metabolism to the differentiation of the activated CD4+ T cell. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
1734	Protein prediction models support widespread post-transcriptional regulation of protein abundance by interacting partners. <i>PLoS Computational Biology</i> , 2022, 18, e1010702.	1.5	4

#	ARTICLE	IF	CITATIONS
1735	Tissue Proteogenomic Landscape Reveals the Role of Uncharacterized SEL1L3 in Progression and Immunotherapy Response in Lung Adenocarcinoma. <i>Journal of Proteome Research</i> , 0, , .	1.8	1
1736	Thiram-induced hyperglycemia causes tibial dyschondroplasia by triggering aberrant ECM remodeling via the gut-pancreas axis in broiler chickens. <i>Journal of Hazardous Materials</i> , 2023, 444, 130368.	6.5	6
1737	PAC1, VPAC1, and VPAC2 Receptor Expression in Rat and Human Trigeminal Ganglia: Characterization of PACAP-Responsive Receptor Antibodies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13797.	1.8	3
1738	Expression and clinical significance of VISTA, B7-H3, and PD-L1 in glioma. <i>Clinical Immunology</i> , 2022, 245, 109178.	1.4	8
1740	Profiling disease-selective drug targets: From proteomics to ligandomics. <i>Drug Discovery Today</i> , 2023, 28, 103430.	3.2	1
1741	A Review of Recent Advances in Translational Bioinformatics and Systems Biomedicine. , 2022, , 37-62.		0
1742	Microfluidics-based single cell analysis: from transcriptomics to spatiotemporal multi-omics. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116868.	5.8	6
1743	Cold-adapted amphipod species upon heat stress: Proteomic responses and their correlation with transcriptomic responses. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2023, 45, 101048.	0.4	0
1744	Deep proteome profiling reveals signatures of age and sex differences in paw skin and sciatic nerve of naïve mice. <i>ELife</i> , 0, 11, .	2.8	3
1747	Proteomic analysis reveals that aging rabbit vocal folds are more vulnerable to changes caused by systemic dehydration. <i>BMC Genomics</i> , 2022, 23, .	1.2	2
1748	The clinical significance of cyclin B1 (CCNB1) in invasive breast cancer with emphasis on its contribution to lymphovascular invasion development. <i>Breast Cancer Research and Treatment</i> , 2023, 198, 423-435.	1.1	7
1749	Multiregion transcriptomic profiling of the primate brain reveals signatures of aging and the social environment. <i>Nature Neuroscience</i> , 2022, 25, 1714-1723.	7.1	14
1750	Principles of gene regulation quantitatively connect DNA to RNA and proteins in bacteria. <i>Science</i> , 2022, 378, .	6.0	42
1752	A protein signature associated with active tuberculosis identified by plasma profiling and network-based analysis. <i>IScience</i> , 2022, 25, 105652.	1.9	5
1753	The missing link between genetic association and regulatory function. <i>ELife</i> , 0, 11, .	2.8	46
1754	Massively Parallel CRISPR-Based Genetic Perturbation Screening at Single-Cell Resolution. <i>Advanced Science</i> , 2023, 10, .	5.6	6
1756	Characterization of Antibodies against Receptor Activity-Modifying Protein 1 (RAMP1): A Cautionary Tale. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16035.	1.8	3
1757	An integrated analysis of the cancer genome atlas data discovers a hierarchical association structure across thirty three cancer types. , 2022, 1, e0000151.		0

#	ARTICLE	IF	CITATIONS
1758	PABPC1 mRNA stability, protein translation and tumorigenesis. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	9
1759	Titration of 124 antibodies using CITE-Seq on human PBMCs. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
1760	Glucosidase inhibitor, Nimbidiol ameliorates renal fibrosis and dysfunction in type-1 diabetes. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
1761	Toward a hypothesis-free understanding of how phosphorylation dynamically impacts protein turnover. <i>Proteomics</i> , 0, , 2100387.	1.3	3
1762	The global downregulation of protein synthesis observed during hepatogenic maturation is associated with a decrease in TOP mRNA translation. <i>Stem Cell Reports</i> , 2022, , .	2.3	0
1763	<i>TERT</i> silencing alters the expression of <i>ARG1</i> , <i>GLUL</i> , <i>VIM</i> , <i>NES</i> genes and hsa-miR-29b-3p in the T98G cell line. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2023, 42, 464-477.	0.4	1
1765	Comparative Proteomic and Transcriptomic Analysis of the Impact of Androgen Stimulation and Darolutamide Inhibition. <i>Cancers</i> , 2023, 15, 2.	1.7	3
1766	Automated Image Analysis Reveals Different Localization of Synaptic Gephyrin C4 Splice Variants. <i>ENeuro</i> , 2023, 10, ENEURO.0102-22.2022.	0.9	2
1767	Inferring Conditional Probability Distributions of Noisy Gene Expression from Limited Observations by Deep Learning. , 2022, 1, 504-513.		0
1768	Spatial transcriptomics add a new dimension to our understanding of the gut. <i>American Journal of Physiology - Renal Physiology</i> , 2023, 324, G91-G98.	1.6	5
1769	Do Corticosteroid Receptor mRNA Levels Predict the Expression of Their Target Genes?. <i>Journal of the Endocrine Society</i> , 2022, 7, .	0.1	1
1770	The synergistic activity of SBC3 in combination with Ebselen against <i>Escherichia coli</i> infection. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
1771	The <i>Symbiodinium</i> Proteome Response to Thermal and Nutrient Stresses. <i>Plant and Cell Physiology</i> , 2023, 64, 433-447.	1.5	4
1772	Proteome diversification by mRNA translation in cancer. <i>Molecular Cell</i> , 2023, 83, 469-480.	4.5	3
1773	Prostaglandin EP3 receptor-expressing preoptic neurons bidirectionally control body temperature via tonic GABAergic signaling. <i>Science Advances</i> , 2022, 8, .	4.7	9
1774	Effects of Dietary Supplementation with Iron in Breeding Pigeons on the Blood Iron Status, Tissue Iron Content, and Full Expression of Iron-Containing Enzymes of Squabs. <i>Biological Trace Element Research</i> , 2023, 201, 4538-4546.	1.9	1
1776	Proteomics Profiling Reveals Regulation of Immune Response to <i>Salmonella enterica</i> Serovar Typhimurium Infection in Mice. <i>Infection and Immunity</i> , 2023, 91, .	1.0	2
1777	Integrated proteomics reveals alterations in sarcomere composition and developmental processes during postnatal swine heart development. <i>Journal of Molecular and Cellular Cardiology</i> , 2023, 176, 33-40.	0.9	6

#	ARTICLE	IF	CITATIONS
1778	Expression of a Heat Shock Protein 70 from the Brown Alga <i>Ectocarpus</i> sp. Imparts Salinity Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Applied Phycology</i> , 2023, 35, 803-819.	1.5	3
1779	A proteome-wide atlas of drug mechanism of action. <i>Nature Biotechnology</i> , 2023, 41, 845-857.	9.4	28
1781	Specialized functions and sexual dimorphism explain the functional diversity of the myeloid populations during glioma progression. <i>Cell Reports</i> , 2023, 42, 111971.	2.9	4
1782	Integration of whole transcriptome spatial profiling with protein markers. <i>Nature Biotechnology</i> , 2023, 41, 788-793.	9.4	41
1783	Using CRISPR/Cas to enhance gene expression for crop trait improvement by editing miRNA targets. <i>Journal of Experimental Botany</i> , 2023, 74, 2208-2212.	2.4	5
1784	Carnosic acid inhibits secretion of allergic inflammatory mediators in IgE-activated mast cells via direct regulation of Syk activation. <i>Journal of Biological Chemistry</i> , 2023, 299, 102867.	1.6	3
1785	Parvalbumin in the metabolic pathway of glutamate and \hat{I}^3 -aminobutyric acid: Influence on expression of GAD65 and GAD67. <i>Archives of Biochemistry and Biophysics</i> , 2023, 734, 109499.	1.4	1
1787	Effect of crowding, compartmentalization and nanodomains on protein modification and redox signaling " current state and future challenges. <i>Free Radical Biology and Medicine</i> , 2023, 196, 81-92.	1.3	7
1788	Associative analysis of multi-omics data indicates that acetylation modification is widely involved in cigarette smoke-induced chronic obstructive pulmonary disease. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	2
1789	Biological mass spectrometry enables spatiotemporal "omics: From tissues to cells to organelles. <i>Mass Spectrometry Reviews</i> , 2024, 43, 106-138.	2.8	4
1790	Brain inflammation induces alterations in glycosaminoglycan metabolism and subsequent changes in CS-4S and hyaluronic acid. <i>International Journal of Biological Macromolecules</i> , 2023, 230, 123214.	3.6	3
1791	Functional expression, localization, and biochemical characterization of thioredoxin glutathione reductase from air-breathing magur catfish, <i>Clarias magur</i> . <i>International Journal of Biological Macromolecules</i> , 2023, 230, 123126.	3.6	1
1792	Limits on inferring gene regulatory networks from single-cell measurements of unstable mRNA levels. , 2022, , .		2
1793	Characterization of proteogenomic signatures of differentiation of CD4+ T cell subsets. <i>DNA Research</i> , 2023, 30, .	1.5	4
1794	Variants Tagging LGALS-3 Haplotype Block in Association with First Myocardial Infarction and Plasma Galectin-3 Six Months after the Acute Event. <i>Genes</i> , 2023, 14, 109.	1.0	2
1795	Exploring the contribution of ARMS2 and HTRA1 genetic risk factors in age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2023, 97, 101159.	7.3	8
1797	Genome-wide inference reveals that feedback regulations constrain promoter-dependent transcriptional burst kinetics. <i>Nucleic Acids Research</i> , 2023, 51, 68-83.	6.5	13
1798	Discovery of antibodies and cognate surface targets for ovarian cancer by surface profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	0

#	ARTICLE	IF	CITATIONS
1799	Noradrenaline released from locus coeruleus axons contracts cerebral capillary pericytes via α_2 adrenergic receptors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2023, 43, 1142-1152.	2.4	8
1800	Big Data in Gastroenterology Research. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2458.	1.8	6
1801	KNL1 is a prognostic and diagnostic biomarker related to immune infiltration in patients with uterine corpus endometrial carcinoma. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	3
1802	Divergent Cytokine and Chemokine Responses at Early Acute Simian Immunodeficiency Virus Infection Correlated with Virus Replication and CD4 T Cell Loss in a Rhesus Macaque Model. <i>Vaccines</i> , 2023, 11, 264.	2.1	2
1803	Transcriptomic, proteomic, and functional consequences of codon usage bias in human cells during heterologous gene expression. <i>Protein Science</i> , 2023, 32, .	3.1	3
1804	Proteins Adsorbed during Intraoperative Hemoadsorption and Their In Vitro Effects on Endothelium. <i>Healthcare (Switzerland)</i> , 2023, 11, 310.	1.0	5
1805	Characterization of proteome-size scaling by integrative omics reveals mechanisms of proliferation control in cancer. <i>Science Advances</i> , 2023, 9, .	4.7	6
1806	CD44 mediates hyaluronan to promote the differentiation of human amniotic mesenchymal stem cells into chondrocytes. <i>Biotechnology Letters</i> , 2023, 45, 411-422.	1.1	2
1807	Enhancement of protein translation by CRISPR/dCasRx coupled with SINEB2 repeat of noncoding RNAs. <i>Nucleic Acids Research</i> , 2023, 51, e33-e33.	6.5	9
1810	MMP-9 as Prognostic Marker for Brain Tumours: A Comparative Study on Serum-Derived Small Extracellular Vesicles. <i>Cancers</i> , 2023, 15, 712.	1.7	6
1813	A patient advocating for transparent science in rare disease research. <i>Orphanet Journal of Rare Diseases</i> , 2023, 18, .	1.2	1
1814	Dual-omics reveals temporal differences in acute sympathetic stress-induced cardiac inflammation following α_1 and α_2 -adrenergic receptors activation. <i>Acta Pharmacologica Sinica</i> , 2023, 44, 1350-1365.	2.8	2
1816	Rescue of neuropsychiatric phenotypes in a mouse model of 16p11.2 duplication syndrome by genetic correction of an epilepsy network hub. <i>Nature Communications</i> , 2023, 14, .	5.8	7
1819	Upregulation of Cell Surface Glycoproteins in Correlation with KSHV LANA in the Kaposi Sarcoma Tumor Microenvironment. <i>Cancers</i> , 2023, 15, 2171.	1.7	0
1820	Acrylamide induces the activation of BV2 microglial cells through TLR2/4-mediated LRRK2-NFATc2 signaling cascade. <i>Food and Chemical Toxicology</i> , 2023, 176, 113775.	1.8	0
1821	Nitrogen transporters along the intestinal spiral valve of cloudy catshark (<i>Scyliorhinus torazame</i>): Rhp2, Rhbg, UT. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2023, 280, 111418.	0.8	4
1822	Total alkaloids in <i>Stephania tetrandra</i> induce apoptosis by regulating BBC3 in human non-small cell lung cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114635.	2.5	0
1823	Proteomic, transcriptomic, biochemical, and physio-anatomical analyses provide insights into energy metabolism, light usage, and photosynthesis in cigar tobacco under different light intensities. <i>Industrial Crops and Products</i> , 2023, 198, 116651.	2.5	0

#	ARTICLE	IF	CITATIONS
1824	An extracellular matrix stiffness-induced breast cancer cell transcriptome resembles the transition from ductal carcinoma in situ (DCIS) to invasive ductal carcinoma (IDC). <i>Biochemical and Biophysical Research Communications</i> , 2023, 654, 73-79.	1.0	4
1825	Relationships between neurotransmitter receptor densities and expression levels of their corresponding genes in the human hippocampus. <i>NeuroImage</i> , 2023, 273, 120095.	2.1	1
1827	Proteomic profiling reveals the potential mechanisms and regulatory targets of sirtuin 4 in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinson's mouse model. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	3
1828	Translational patterns of ionotropic glutamate and GABA receptors during brain development and behavioral stimuli revealed by polysome profiling. <i>Journal of Neurochemistry</i> , 2023, 164, 786-812.	2.1	0
1830	Proteome analysis of monocytes implicates altered mitochondrial biology in adults reporting adverse childhood experiences. <i>Translational Psychiatry</i> , 2023, 13, .	2.4	3
1831	Lactate from glycolysis regulates inflammatory macrophage polarization in breast cancer. <i>Cancer Immunology, Immunotherapy</i> , 2023, 72, 1917-1932.	2.0	5
1832	A transcriptome atlas of leg muscles from healthy human volunteers reveals molecular and cellular signatures associated with muscle location. <i>ELife</i> , 0, 12, .	2.8	4
1833	Re-evaluating the impact of alternative RNA splicing on proteomic diversity. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	2
1834	Prognostic-Related Biomarkers in Pancreatic Ductal Adenocarcinoma Correlating with Immune Infiltrates Based on Proteomics. <i>Medical Science Monitor</i> , 0, 29, .	0.5	0
1835	Expression and Function of BMP and Activin Membrane-Bound Inhibitor (BAMBI) in Chronic Liver Diseases and Hepatocellular Carcinoma. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3473.	1.8	3
1836	Comparison of the anti-cancer activity of 5-aminolevulinic acid-mediated photodynamic therapy after continuous wave and pulse irradiation in different histological types of canine mammary sarcoma tumors. <i>Lasers in Medical Science</i> , 2023, 38, .	1.0	0
1837	The Ixodes ricinus salivary gland proteome during feeding and B. Afzelii infection: New avenues for an anti-tick vaccine. <i>Vaccine</i> , 2023, 41, 1951-1960.	1.7	1
1838	Decoupling of mRNA and Protein Expression in Aging Brains Reveals the Age-Dependent Adaptation of Specific Gene Subsets. <i>Cells</i> , 2023, 12, 615.	1.8	4
1840	Post-translational modification and phenotype. <i>Proteomics</i> , 2023, 23, 2200535.	1.3	0
1841	Anemonefishes: A model system for evolutionary genomics. <i>F1000Research</i> , 0, 12, 204.	0.8	1
1842	Bioprinted Schwann and Mesenchymal Stem Cell Co-Cultures for Enhanced Spatial Control of Neurite Outgrowth. <i>Gels</i> , 2023, 9, 172.	2.1	2
1843	Promoter activity and transcriptome analyses decipher functions of CgBHLH001 gene (Chenopodium) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	2
1845	Contrast subgraphs allow comparing homogeneous and heterogeneous networks derived from omics data. <i>GigaScience</i> , 2022, 12, .	3.3	3

#	ARTICLE	IF	CITATIONS
1846	FtMt reduces oxidative stress-induced trophoblast cell dysfunction via the HIF-1 α /VEGF signaling pathway. <i>BMC Pregnancy and Childbirth</i> , 2023, 23, .	0.9	2
1847	Ras protein abundance correlates with Ras isoform mutation patterns in cancer. <i>Oncogene</i> , 2023, 42, 1224-1232.	2.6	12
1848	Immunopromoter improves liver apoptosis and immune response in Shaoxing ducklings. <i>Animal Biotechnology</i> , 2023, 34, 4667-4674.	0.7	0
1849	Single-cell proteomics enabled by next-generation sequencing or mass spectrometry. <i>Nature Methods</i> , 2023, 20, 363-374.	9.0	58
1850	In-Depth Analysis of the N-Glycome of Colorectal Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4842.	1.8	0
1851	Chemerin and Chemokine-like Receptor 1 Expression in Ovarian Cancer Associates with Proteins Involved in Estrogen Signaling. <i>Diagnostics</i> , 2023, 13, 944.	1.3	1
1853	Molecular and neural roles of sodium-glucose cotransporter 2 inhibitors in alleviating neurocognitive impairment in diabetic mice. <i>Psychopharmacology</i> , 2023, 240, 983-1000.	1.5	4
1854	Realization of Arithmetic Operations using a Combined Computational Unit in Ribosomal Computing. <i>Journal of the Institution of Engineers (India): Series B</i> , 2023, 104, 461-473.	1.3	0
1855	A Plant Biostimulant from <i>Ascomyces nodosus</i> Potentiates Plant Growth Promotion and Stress Protection Activity of <i>Pseudomonas protegens</i> CHA0. <i>Plants</i> , 2023, 12, 1208.	1.6	6
1856	Cadmium exposure during puberty damages testicular development and spermatogenesis via ferroptosis caused by intracellular iron overload and oxidative stress in mice. <i>Environmental Pollution</i> , 2023, 325, 121434.	3.7	14
1857	Profiling the Hsp70 Chaperone Network in Heat-Induced Proteotoxic Stress Models of Human Neurons. <i>Biology</i> , 2023, 12, 416.	1.3	2
1858	PROSE: phenotype-specific network signatures from individual proteomic samples. <i>Briefings in Bioinformatics</i> , 2023, 24, .	3.2	0
1860	Pleomorphic Variants of <i>Borrelia burgdorferi</i> Express Evolutionary Distinct Transcriptomes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5594.	1.8	0
1861	The P-body protein 4E-T represses translation to regulate the balance between cell genesis and establishment of the postnatal NSC pool. <i>Cell Reports</i> , 2023, 42, 112242.	2.9	1
1864	Integrative transcriptome and proteome analysis reveals maize responses to <i>Fusarium verticillioides</i> infection inside the stalks. <i>Molecular Plant Pathology</i> , 2023, 24, 693-710.	2.0	7
1865	Human cortical spheroids with a high diversity of innately developing brain cell types. <i>Stem Cell Research and Therapy</i> , 2023, 14, .	2.4	2
1866	Phenolic acids and a static magnetic field change the expression of transforming growth factor β^2 isoforms in amelanotic melanoma cells. <i>Molecular Biology Reports</i> , 2023, 50, 4207-4216.	1.0	2
1867	Regulation of adult stem cell quiescence and its functions in the maintenance of tissue integrity. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 334-354.	16.1	29

#	ARTICLE	IF	CITATIONS
1868	Coronaviruses Use ACE2 Monomers as Entry Receptors. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	5
1869	Coronaviruses Use ACE2 Monomers as Entry Receptors. <i>Angewandte Chemie</i> , 0, , .	1.6	0
1870	Chromatin access regulates the formation of Müller glia-derived progenitor cells in the retina. <i>Glia</i> , 2023, 71, 1729-1754.	2.5	7
1871	The photoreceptor protective cGMP analog Rp8Br-cGMPs interacts with cGMP interactors PKGI, PDE1, PDE6, and PKAI in the degenerating mouse retina. <i>Journal of Comparative Neurology</i> , 2023, 531, 935-951.	0.9	1
1872	A complementary approach for genetic diagnosis of inborn errors of immunity using proteogenomic analysis. , 2023, 2, .		1
1873	Multiplexed Fluorescence Plate Reader In Situ Protein Expression Assay in Apoptotic HepG2 Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6564.	1.8	0
1875	Ultra High-plex Spatial Proteogenomic Investigation of Giant Cell Glioblastoma Multiforme Immune Infiltrates Reveals Distinct Protein and RNA Expression Profiles. <i>Cancer Research Communications</i> , 2023, 3, 763-779.	0.7	3
1876	Salivary aquaporin-3 as a screening biomarker for xerostomia in patients with periodontal disease and the effects of xerostomia on oral health-related quality of life. <i>PLoS ONE</i> , 2023, 18, e0283995.	1.1	0
1877	Amplification of protease-activated receptors signaling in sporadic cerebral cavernous malformation endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2023, 1870, 119474.	1.9	0
1879	Accurate flux predictions using tissue-specific gene expression in plant metabolic modeling. <i>Bioinformatics</i> , 2023, 39, .	1.8	4
1880	Ageing-associated changes in transcriptional elongation influence longevity. <i>Nature</i> , 2023, 616, 814-821.	13.7	39
1881	Astrocyte-neuron subproteomes and obsessive-compulsive disorder mechanisms. <i>Nature</i> , 2023, 616, 764-773.	13.7	16
1882	Mathematical modeling identifies LAG3 and HAVCR2 as biomarkers of T cell exhaustion in melanoma. <i>IScience</i> , 2023, 26, 106666.	1.9	0
1883	Rapid changes in transcriptomic profile and mitochondrial function in human soleus muscle after three-day dry immersion. <i>Journal of Applied Physiology</i> , 0, , .	1.2	2
1884	Tumor heterogeneity in VHL drives metastasis in clear cell renal cell carcinoma. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	7
1885	Principles of deep immunohistochemistry for 3D histology. <i>Cell Reports Methods</i> , 2023, 3, 100458.	1.4	1
1886	Phenotypic prediction in glutaric aciduria type 1 combining in silico and in vitro modeling with real-world data. <i>Journal of Inherited Metabolic Disease</i> , 2023, 46, 391-405.	1.7	5
1887	From neurotransmitters to networks: Transcending organisational hierarchies with molecular-informed functional imaging. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 150, 105193.	2.9	10

#	ARTICLE	IF	CITATIONS
1888	Emergence of division of labor in tissues through cell interactions and spatial cues. Cell Reports, 2023, 42, 112412.	2.9	9
1897	Proteomics and Protein Biomarkers in Cancer Metastasis. , 2023, , 1-34.		0
1909	A review of the current state of single-cell proteomics and future perspective. Analytical and Bioanalytical Chemistry, 2023, 415, 6889-6899.	1.9	16
1938	Transcription Factors and Splice Factorsâ€™ Interconnected Regulators of Stem Cell Differentiation. Current Stem Cell Reports, 0, , .	0.7	1
1972	Uncovering the genetics of the human connectome. , 2023, , 309-341.		0
2063	Bioinformatics: Unveiling the Systems Biology. Livestock Diseases and Management, 2023, , 299-316.	0.5	0
2096	Principles, challenges, and advances in ribosome profiling: from bulk to low-input and single-cell analysis. , 2023, 1, .		1
2133	Drug targeting in psychiatric disorders â€™ how to overcome the loss in translation?. Nature Reviews Drug Discovery, 2024, 23, 218-231.	21.5	0
2134	Atherosclerosis antigens as targets for immunotherapy. , 2023, 2, 1129-1147.		0
2177	Multiplex protein imaging in tumour biology. Nature Reviews Cancer, 2024, 24, 171-191.	12.8	1
2182	Introduction to sample preparation for proteomics and mass spectrometry. , 2024, , 7-32.		0