

g:Profiler: a web server for functional enrichment analysis
(2019 update)

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Sequential Changes in the Host Gut Microbiota During Infection With the Intestinal Parasitic Nematode <i>Strongyloides venezuelensis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 217.	1.8	31
4	Transcriptome analysis identifies a robust gene expression program in the mouse intestinal epithelium on aging. <i>Scientific Reports</i> , 2019, 9, 10410.	1.6	9
5	Unravelling the Role of Trophoblastic-Derived Extracellular Vesicles in Regulatory T Cell Differentiation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3457.	1.8	28
6	Cardiovascular Predictive Value and Genetic Basis of Ventricular Repolarization Dynamics. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007549.	2.1	13
7	HiCeekR: A Novel Shiny App for Hi-C Data Analysis. <i>Frontiers in Genetics</i> , 2019, 10, 1079.	1.1	15
8	<p>An immune-related gene pairs signature predicts overall survival in serous ovarian carcinoma</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 7005-7014.	1.0	27
9	Genome-Wide Association Analyses of Equine Metabolic Syndrome Phenotypes in Welsh Ponies and Morgan Horses. <i>Genes</i> , 2019, 10, 893.	1.0	10
10	DiNGO: standalone application for Gene Ontology and Human Phenotype Ontology term enrichment analysis. <i>Bioinformatics</i> , 2020, 36, 1981-1982.	1.8	2
11	Gene expression profile of <i>Aedes aegypti</i> females in courtship and mating. <i>Scientific Reports</i> , 2019, 9, 15492.	1.6	11
12	Pathway Commons 2019 Update: integration, analysis and exploration of pathway data. <i>Nucleic Acids Research</i> , 2020, 48, D489-D497.	6.5	161
13	Paralog buffering contributes to the variable essentiality of genes in cancer cell lines. <i>PLoS Genetics</i> , 2019, 15, e1008466.	1.5	64
14	DNA Replication Inhibitor Geminin and Retinoic Acid Signaling Participate in Complex Interactions Associated With Pluripotency. <i>Cancer Genomics and Proteomics</i> , 2019, 16, 593-601.	1.0	9
15	Evaluation of Chemically-Cleavable Linkers for Quantitative Mapping of Small Molecule-Cysteine Reactivity. <i>ACS Chemical Biology</i> , 2019, 14, 1940-1950.	1.6	20
16	Identification of stably expressed housekeeping miRNAs in endothelial cells and macrophages in an inflammatory setting. <i>Scientific Reports</i> , 2019, 9, 12786.	1.6	10
17	Transient receptor potential ankyrin1 channel is endogenously expressed in T cells and is involved in immune functions. <i>Bioscience Reports</i> , 2019, 39, .	1.1	37
18	Endogenous Avian Leukosis Virus in Combination with Serotype 2 Marek's Disease Virus Significantly Boosted the Incidence of Lymphoid Leukosis-Like Bursal Lymphomas in Susceptible Chickens. <i>Journal of Virology</i> , 2019, 93, .	1.5	13
19	X-chromosome upregulation is driven by increased burst frequency. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 963-969.	3.6	64
20	Monitoring of Rice Transcriptional Responses to Contrasted Colonizing Patterns of Phytobeneficial <i>Burkholderia s.l.</i> Reveals a Temporal Shift in JA Systemic Response. <i>Frontiers in Plant Science</i> , 2019, 10, 1141.	1.7	19

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21	<i>De Novo</i> Assembly and Annotation of the Larval Transcriptome of Two Spadefoot Toads Widely Divergent in Developmental Rate. G3: Genes, Genomes, Genetics, 2019, 9, 2647-2655.	0.8	5
22	An integrative methodology based on protein-protein interaction networks for identification and functional annotation of disease-relevant genes applied to channelopathies. BMC Bioinformatics, 2019, 20, 565.	1.2	8
23	Profiling Transcriptional Regulation and Functional Roles of Schistosoma mansoni c-Jun N-Terminal Kinase. Frontiers in Genetics, 2019, 10, 1036.	1.1	11
24	A Similar Secretome Disturbance as a Hallmark of Non-pathogenic Botrytis cinerea ATMT-Mutants?. Frontiers in Microbiology, 2019, 10, 2829.	1.5	18
25	White matter DNA methylation profiling reveals deregulation of HIP1, LMAN2, MOBP, and other loci in multiple system atrophy. Acta Neuropathologica, 2020, 139, 135-156.	3.9	42
26	Circulating miRNA analysis for cancer diagnostics and therapy. Molecular Aspects of Medicine, 2020, 72, 100825.	2.7	114
27	Heritability of interpack aggression in a wild pedigreed population of North American grey wolves. Molecular Ecology, 2020, 29, 1764-1775.	2.0	19
28	Loss of UGP2 in brain leads to a severe epileptic encephalopathy, emphasizing that bi-allelic isoform-specific start-loss mutations of essential genes can cause genetic diseases. Acta Neuropathologica, 2020, 139, 415-442.	3.9	38
29	Sex-specific epigenetic profile of inner cell mass of mice conceived <i>in vivo</i> or by IVF. Molecular Human Reproduction, 2020, 26, 866-878.	1.3	11
30	Blood pressure changes PVAT function and transcriptome: use of the mid-thoracic aorta coarcted rat. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1313-H1324.	1.5	4
31	Chromatin and Transcriptional Response to Loss of TBX1 in Early Differentiation of Mouse Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 571501.	1.8	6
32	Paclitaxel resistance resulted in a stem-like state in triple-negative breast cancer: A systems biology approach. Meta Gene, 2020, 26, 100800.	0.3	12
33	Exome sequencing implicates genetic disruption of prenatal neuro-gliogenesis in sporadic congenital hydrocephalus. Nature Medicine, 2020, 26, 1754-1765.	15.2	84
34	Root Silicon Treatment Modulates the Shoot Transcriptome in Brassica napus L. and in Particular Upregulates Genes Related to Ribosomes and Photosynthesis. Silicon, 2021, 13, 4047-4055.	1.8	7
35	Illuminating Host-Mycobacterial Interactions with Genome-wide CRISPR Knockout and CRISPRi Screens. Cell Systems, 2020, 11, 239-251.e7.	2.9	23
36	Primate differential redoxome (PDR) â€“ A paradigm for understanding neurodegenerative diseases. Redox Biology, 2020, 36, 101683.	3.9	1
37	Astrocytic phagocytosis is a compensatory mechanism for microglial dysfunction. EMBO Journal, 2020, 39, e104464.	3.5	105
38	Xylose Metabolism and the Effect of Oxidative Stress on Lipid and Carotenoid Production in Rhodotorula toruloides: Insights for Future Biorefinery. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1008.	2.0	49

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39	Genome-Wide Network of lncRNA-mRNA During Ovine Oocyte Development From Germinal Vesicle to Metaphase II in vitro. <i>Frontiers in Physiology</i> , 2020, 11, 1019.	1.3	18
40	Integrative transcriptomics analysis of lung epithelial cells and identification of repurposable drug candidates for COVID-19. <i>European Journal of Pharmacology</i> , 2020, 887, 173594.	1.7	52
41	Somatostatin 3 loss of function impairs the innate immune response to intestinal inflammation. <i>Aquaculture and Fisheries</i> , 2021, 6, 548-557.	1.2	2
42	Exome Sequencing Implicates Impaired GABA Signaling and Neuronal Ion Transport in Trigeminal Neuralgia. <i>iScience</i> , 2020, 23, 101552.	1.9	32
43	Selective neuronal degeneration in MATR3 S85C knock-in mouse model of early-stage ALS. <i>Nature Communications</i> , 2020, 11, 5304.	5.8	23
44	Late first trimester circulating microparticle proteins predict the risk of preeclampsia <â€%35 weeks and suggest phenotypic differences among affected cases. <i>Scientific Reports</i> , 2020, 10, 17353.	1.6	9
45	The Endometrial Transcription Landscape of MRKH Syndrome. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 572281.	1.8	17
46	Serum Proteomics Reveals Alterations in Protease Activity, Axon Guidance, and Visual Phototransduction Pathways in Infants With In Utero Exposure to Zika Virus Without Congenital Zika Syndrome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 577819.	1.8	10
47	Integrative network analysis identifies an immune-based prognostic signature as the determinant for the mesenchymal subtype in epithelial ovarian cancer. <i>Medicine (United States)</i> , 2020, 99, e22549.	0.4	0
48	The mole genome reveals regulatory rearrangements associated with adaptive intersexuality. <i>Science</i> , 2020, 370, 208-214.	6.0	41
49	Identification of epilepsy-associated neuronal subtypes and gene expression underlying epileptogenesis. <i>Nature Communications</i> , 2020, 11, 5038.	5.8	80
50	Transcriptome analysis of turkey (<i>Meleagris gallopavo</i>) reproductive tract revealed key pathways regulating spermatogenesis and post-testicular sperm maturation. <i>Poultry Science</i> , 2020, 99, 6094-6118.	1.5	16
51	Time-course analysis of the effect of embedded metal on skeletal muscle gene expression. <i>Physiological Genomics</i> , 2020, 52, 575-587.	1.0	10
52	Prioritizing sequence variants in conserved non-coding elements in the chicken genome using chCADD. <i>PLoS Genetics</i> , 2020, 16, e1009027.	1.5	7
53	Tissue-Specific Transcription Footprinting Using RNA Pol DamID (RAPID) in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2020, 216, 931-945.	1.2	21
54	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. <i>Nature</i> , 2020, 586, 769-775.	13.7	101
55	Harnessing the Secretome of Mesenchymal Stromal Cells for Traumatic Spinal Cord Injury: Multicell Comparison and Assessment of In Vivo Efficacy. <i>Stem Cells and Development</i> , 2020, 29, 1429-1443.	1.1	8
56	Chd8 haploinsufficiency impairs early brain development and protein homeostasis later in life. <i>Molecular Autism</i> , 2020, 11, 74.	2.6	19

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57	Brain mRNA Expression Associated with Cortical Volume Alterations in Autism Spectrum Disorder. <i>Cell Reports</i> , 2020, 32, 108137.	2.9	18
58	Age-related gene expression and DNA methylation changes in rhesus macaque. <i>Genomics</i> , 2020, 112, 5147-5156.	1.3	13
59	Metformin rescues Parkinson's disease phenotypes caused by hyperactive mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26438-26447.	3.3	95
60	The LIM Protein Ajuba Augments Tumor Metastasis in Colon Cancer. <i>Cancers</i> , 2020, 12, 1913.	1.7	12
61	Exploring the SARS-CoV-2 virus-host-drug interactome for drug repurposing. <i>Nature Communications</i> , 2020, 11, 3518.	5.8	144
62	First high-resolution genetic linkage map of taimen (<i>Hucho taimen</i>) and its application in QTL analysis of growth-related traits. <i>Aquaculture</i> , 2020, 529, 735680.	1.7	5
63	Single-Cell RNA-Seq Reveals Cellular Hierarchies and Impaired Developmental Trajectories in Pediatric Ependymoma. <i>Cancer Cell</i> , 2020, 38, 44-59.e9.	7.7	94
64	A rare variant of African ancestry activates 8q24 lncRNA hub by modulating cancer associated enhancer. <i>Nature Communications</i> , 2020, 11, 3598.	5.8	33
65	Revealing Shared and Distinct Genes Responding to JA and SA Signaling in Arabidopsis by Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 908.	1.7	38
66	Gene expression trajectories during male and female reproductive development in balsam poplar (<i>Populus balsamifera</i> L.). <i>Scientific Reports</i> , 2020, 10, 8413.	1.6	19
67	Large-Scale Phosphoproteomic Study of Arabidopsis Membrane Proteins Reveals Early Signaling Events in Response to Cold. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8631.	1.8	19
68	RNA sequencing analysis reveals increased expression of interferon signaling genes and dysregulation of bone metabolism affecting pathways in the whole blood of patients with osteogenesis imperfecta. <i>BMC Medical Genomics</i> , 2020, 13, 177.	0.7	6
69	Transcriptome Analysis Reveals the Potential Role of Long Non-coding RNAs in Mammary Gland of Yak During Lactation and Dry Period. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 579708.	1.8	9
70	I-KCKT allows dissection-free RNA profiling of adult <i>Drosophila</i> intestinal progenitor cells. <i>Development (Cambridge)</i> , 2020, 148, .	1.2	9
71	Distinct whole-blood transcriptome profile of children with metabolic healthy overweight/obesity compared to metabolic unhealthy overweight/obesity. <i>Pediatric Research</i> , 2021, 89, 1687-1694.	1.1	10
72	Persistent or Transient Human β^2 Cell Dysfunction Induced by Metabolic Stress: Specific Signatures and Shared Gene Expression with Type 2 Diabetes. <i>Cell Reports</i> , 2020, 33, 108466.	2.9	65
73	Prognostic Factors Involved in the Epithelial-Mesenchymal Transition Process in Colorectal Cancer Have a Preponderant Role in Oxidative Stress: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2020, 12, 3330.	1.7	5
74	Epidermal Growth Factor Receptor Inhibition Reverses Cellular and Transcriptomic Alterations Induced by Hypoxia in the Neonatal Piglet Brain. <i>IScience</i> , 2020, 23, 101766.	1.9	2

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75	Impact of Porcine Arterivirus, Influenza B, and Their Coinfection on Antiviral Response in the Porcine Lung. <i>Pathogens</i> , 2020, 9, 934.	1.2	8
76	Common germline-somatic variant interactions in advanced urothelial cancer. <i>Nature Communications</i> , 2020, 11, 6195.	5.8	21
77	Developmental remodelling of non-CG methylation at satellite DNA repeats. <i>Nucleic Acids Research</i> , 2020, 48, 12675-12688.	6.5	17
78	An Investigation of the Molecular Mechanisms Underlying the Analgesic Effect of Jakyak-Gamcho Decoction: A Network Pharmacology Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-20.	0.5	8
79	Oncology and Pharmacogenomics Insights in Polycystic Ovary Syndrome: An Integrative Analysis. <i>Frontiers in Endocrinology</i> , 2020, 11, 585130.	1.5	16
80	Genetic profiling for diffuse type and genomically stable subtypes in gastric cancer. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3301-3308.	1.9	12
81	Heat Shock Factor 1-dependent extracellular matrix remodeling mediates the transition from chronic intestinal inflammation to colon cancer. <i>Nature Communications</i> , 2020, 11, 6245.	5.8	51
82	Genomic and transcriptomic variation defines the chromosome-scale assembly of <i>Haemonchus contortus</i> , a model gastrointestinal worm. <i>Communications Biology</i> , 2020, 3, 656.	2.0	91
83	Individuating Possibly Repurposable Drugs and Drug Targets for COVID-19 Treatment Through Hypothesis-Driven Systems Medicine Using CoVex. <i>Assay and Drug Development Technologies</i> , 2020, 18, 348-355.	0.6	6
84	Type I interferons drive the maturation of human DC3s with a distinct costimulatory profile characterized by high GITRL. <i>Science Immunology</i> , 2020, 5, .	5.6	14
85	Microglial responses to peripheral type 1 interferon. <i>Journal of Neuroinflammation</i> , 2020, 17, 340.	3.1	35
86	Genomic analyses of a livestock pest, the New World screwworm, find potential targets for genetic control programs. <i>Communications Biology</i> , 2020, 3, 424.	2.0	26
87	Tiotropium Is Predicted to Be a Promising Drug for COVID-19 Through Transcriptome-Based Comprehensive Molecular Pathway Analysis. <i>Viruses</i> , 2020, 12, 776.	1.5	17
88	Biliary Tract Carcinogenesis Model Based on Bile Metaproteomics. <i>Frontiers in Oncology</i> , 2020, 10, 1032.	1.3	4
89	TCGA Pan-Cancer Genomic Analysis of Alternative Lengthening of Telomeres (ALT) Related Genes. <i>Genes</i> , 2020, 11, 834.	1.0	8
90	RNA-Seq Reveals Sub-Zones in Mouse Adrenal Zona Fasciculata and the Sexually Dimorphic Responses to Thyroid Hormone. <i>Endocrinology</i> , 2020, 161, .	1.4	13
91	Comparative Transcriptomic Analysis of Rhinovirus and Influenza Virus Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 1580.	1.5	15
92	RGS6 Mediates Effects of Voluntary Running on Adult Hippocampal Neurogenesis. <i>Cell Reports</i> , 2020, 32, 107997.	2.9	19

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93	Genome-Wide Screens Reveal that Resveratrol Induces Replicative Stress in Human Cells. <i>Molecular Cell</i> , 2020, 79, 846-856.e8.	4.5	18
94	Cancer Cell Acid Adaptation Gene Expression Response Is Correlated to Tumor-Specific Tissue Expression Profiles and Patient Survival. <i>Cancers</i> , 2020, 12, 2183.	1.7	19
95	RNA-Seq Analysis Reveals Localization-Associated Alternative Splicing across 13 Cell Lines. <i>Genes</i> , 2020, 11, 820.	1.0	11
96	Comparative transcriptomics implicate mitochondrial and neurodevelopmental impairments in larval zebrafish (<i>Danio rerio</i>) exposed to two selective serotonin reuptake inhibitors (SSRIs). <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 110934.	2.9	13
97	Genome-wide identification and characterization of novel non-coding RNA-derived SSRs in wheat. <i>Molecular Biology Reports</i> , 2020, 47, 6111-6125.	1.0	12
98	Population analysis of the Korean native duck using whole-genome sequencing data. <i>BMC Genomics</i> , 2020, 21, 554.	1.2	5
99	Deciphering key genes and miRNAs associated with Hepatocellular carcinoma via network-based approach. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, PP, 1-1.	1.9	4
100	Single-Cell RNA Sequencing of the Cynomolgus Macaque Testis Reveals Conserved Transcriptional Profiles during Mammalian Spermatogenesis. <i>Developmental Cell</i> , 2020, 54, 548-566.e7.	3.1	62
101	Comprehensive analysis of lncRNA and mRNA expression changes in Tibetan chicken lung tissue between three developmental stages. <i>Animal Genetics</i> , 2020, 51, 731-740.	0.6	4
102	Targeted cyclooxygenase-2 inhibiting nanomedicine results in pain-relief and differential expression of the RNA transcriptome in the dorsal root ganglia of injured male rats. <i>Molecular Pain</i> , 2020, 16, 174480692094330.	1.0	5
103	Biomarker Prioritisation and Power Estimation Using Ensemble Gene Regulatory Network Inference. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7886.	1.8	4
104	Differences in network controllability and regional gene expression underlie hallucinations in Parkinson's disease. <i>Brain</i> , 2020, 143, 3435-3448.	3.7	31
105	Prenatal Androgenization Alters the Development of GnRH Neuron and Preoptic Area RNA Transcripts in Female Mice. <i>Endocrinology</i> , 2020, 161, .	1.4	5
106	FGF2 Affects Parkinson's Disease-Associated Molecular Networks Through Exosomal Rab8b/Rab31. <i>Frontiers in Genetics</i> , 2020, 11, 572058.	1.1	12
107	Dementia risk in Parkinson's disease is associated with interhemispheric connectivity loss and determined by regional gene expression. <i>NeuroImage: Clinical</i> , 2020, 28, 102470.	1.4	7
108	Antennal Proteome of the <i>Solenopsis invicta</i> (Hymenoptera: Formicidae): Caste Differences in Olfactory Receptors and Chemosensory Support Proteins. <i>Journal of Insect Science</i> , 2020, 20, .	0.6	5
109	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020, 183, 786-801.e19.	13.5	101
110	Transcriptomic analysis reveals dynamic molecular changes in skin induced by mechanical forces secondary to tissue expansion. <i>Scientific Reports</i> , 2020, 10, 15991.	1.6	12

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111	Finding disease modules for cancer and COVID-19 in gene co-expression networks with the Core&Peel method. Scientific Reports, 2020, 10, 17628.	1.6	6
112	Seminal plasma AnnexinA2 protein is a relevant biomarker for stallions which require removal of seminal plasma for sperm survival upon refrigeration. Biology of Reproduction, 2020, 103, 1275-1288.	1.2	14
113	Transcriptomic similarities and differences between the limb bud AER and unique carapacial ridge of turtle embryos. Evolution & Development, 2020, 22, 370-383.	1.1	4
114	microRNA-seq of cartilage reveals an overabundance of miR-140-3p which contains functional isomiRs. Rna, 2020, 26, 1575-1588.	1.6	17
115	Genomic Characteristics and Selection Signatures in Indigenous Chongming White Goat (Capra Tj ETQq0 0 0 rgBT, /Overlock, 10 Tf 50 5	1.1	7
116	16-Hydroxycyclohexa-3,13-Dien-15,16-Oxide Induces Apoptosis in Human Bladder Cancer Cells through Cell Cycle Arrest, Mitochondria ROS Overproduction, and Inactivation of EGFR-Related Signalling Pathways. Molecules, 2020, 25, 3958.	1.7	9
117	Prioritizing Candidates of Post-Myocardial Infarction Heart Failure Using Plasma Proteomics and Single-Cell Transcriptomics. Circulation, 2020, 142, 1408-1421.	1.6	50
118	Genome-wide patterns of divergence and introgression after secondary contact between <i>Pungitius</i> sticklebacks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190548.	1.8	32
119	<i>Trem2</i> promotes anti-inflammatory responses in microglia and is suppressed under pro-inflammatory conditions. Human Molecular Genetics, 2020, 29, 3224-3248.	1.4	76
120	H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. Cancer Discovery, 2020, 10, 1968-1987.	7.7	40
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123	Hypoxia-Mediated Regulation of Histone Demethylases Affects Angiogenesis-Associated Functions in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2665-2677.	1.1	15
124	BcRPD3-Mediated Histone Deacetylation Is Involved in Growth and Pathogenicity of Botrytis cinerea. Frontiers in Microbiology, 2020, 11, 1832.	1.5	12
125	Fc receptor-like 4 and 5 define human atypical memory B cells. International Immunology, 2020, 32, 755-770.	1.8	13
126	A novel BSD domain-containing transcription factor controls vegetative growth, leaf senescence, and fruit quality in tomato. Journal of Experimental Botany, 2020, 71, 6945-6957.	2.4	6
127	Selective Interferon Responses of Intestinal Epithelial Cells Minimize Tumor Necrosis Factor Alpha Cytotoxicity. Journal of Virology, 2020, 94, .	1.5	24
128	Explorative Combined Lipid and Transcriptomic Profiling of Substantia Nigra and Putamen in Parkinson's Disease. Cells, 2020, 9, 1966.	1.8	29

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129	Low tolerance for transcriptional variation at cohesin genes is accompanied by functional links to disease-relevant pathways. <i>Journal of Medical Genetics</i> , 2021, 58, 534-542.	1.5	3
130	LncRNA SLC26A4-AS1 suppresses the MRN complex-mediated DNA repair signaling and thyroid cancer metastasis by destabilizing DDX5. <i>Oncogene</i> , 2020, 39, 6664-6676.	2.6	57
131	A porcine ligated loop model reveals new insight into the host immune response against <i>Campylobacter jejuni</i> . <i>Gut Microbes</i> , 2020, 12, 1814121.	4.3	7
132	Transcriptome Analysis of Testis from HFD-Induced Obese Rats (<i>Rattus norvegicus</i>) Indicated Predisposition for Male Infertility. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6493.	1.8	6
133	SMARCB1 loss interacts with neuronal differentiation state to block maturation and impact cell stability. <i>Genes and Development</i> , 2020, 34, 1316-1329.	2.7	30
134	Metabolomic and Signaling Programs Induced by Immobilized versus Soluble IFN γ in Neural Stem Cells. <i>Bioconjugate Chemistry</i> , 2020, 31, 2125-2135.	1.8	7
135	Exhausted CD4+ T Cells during Malaria Exhibit Reduced mTORc1 Activity Correlated with Loss of T-bet Expression. <i>Journal of Immunology</i> , 2020, 205, 1608-1619.	0.4	10
136	Intron retention is a robust marker of intertumoral heterogeneity in pancreatic ductal adenocarcinoma. <i>Npj Genomic Medicine</i> , 2020, 5, 55.	1.7	10
137	Multi-level analysis of reproduction in an Antarctic midge identifies female and male accessory gland products that are altered by larval stress and impact progeny viability. <i>Scientific Reports</i> , 2020, 10, 19791.	1.6	18
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139	Identification and population genetic analyses of copy number variations in six domestic goat breeds and Bezoar ibexes using next-generation sequencing. <i>BMC Genomics</i> , 2020, 21, 840.	1.2	7
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141	Cellular, Extracellular and Extracellular Vesicular miRNA Profiles of Pre-Ovulatory Follicles Indicate Signaling Disturbances in Polycystic Ovaries. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9550.	1.8	17
142	Transcriptomic analysis of red-spotted grouper nervous necrosis virus infected Asian seabass <i>Lates calcarifer</i> (Bloch, 1790). <i>Aquaculture Reports</i> , 2020, 18, 100517.	0.7	4
143	The PWWP2A Histone Deacetylase Complex Represses Intragenic Spurious Transcription Initiation in mESCs. <i>IScience</i> , 2020, 23, 101741.	1.9	9
144	Improving existing analysis pipeline to identify and analyze cancer driver genes using multi-omics data. <i>Scientific Reports</i> , 2020, 10, 20521.	1.6	10
145	Transcriptome and translome changes in germinated pollen under heat stress uncover roles of transporter genes involved in pollen tube growth. <i>Plant, Cell and Environment</i> , 2021, 44, 2167-2184.	2.8	25
146	gMSR: A Multi-GPU Algorithm to Accelerate a Massive Validation of Biclusters. <i>Electronics (Switzerland)</i> , 2020, 9, 1782.	1.8	1

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147	<p>Circulating miR-1246 in the Progression of Chronic Obstructive Pulmonary Disease (COPD) in Patients from the BODE Cohort</p>. International Journal of COPD, 2020, Volume 15, 2727-2737.	0.9	7
148	A systematic, label-free method for identifying RNA-associated proteins in vivo provides insights into vertebrate ciliary beating machinery. Developmental Biology, 2020, 467, 108-117.	0.9	22
149	Gene Expression and Co-expression Networks Are Strongly Altered Through Stages in Clear Cell Renal Carcinoma. Frontiers in Genetics, 2020, 11, 578679.	1.1	19
150	The Intergenerational Impacts of Paternal Diet on DNA Methylation and Offspring Phenotypes in Sheep. Frontiers in Genetics, 2020, 11, 597943.	1.1	15
151	Melatonin-Nrf2 Signaling Activates Peroxisomal Activities in Porcine Cumulus Cell-Oocyte Complexes. Antioxidants, 2020, 9, 1080.	2.2	23
152	Tissue disaggregation and isolation of specific cell types from transgenic Xenopus appendages for transcriptional analysis by FACS. Developmental Dynamics, 2020, 250, 1381-1392.	0.8	6
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471	The role of epigenetic mechanisms in the regulation of gene expression in the cyclical endometrium. <i>Clinical Epigenetics</i> , 2021, 13, 116.	1.8	33
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1881	Quantitative trait loci and gene-specific markers associated with resistance to soybean cyst nematode HG type 2.5.7. <i>Molecular Breeding</i> , 2022, 42, .	1.0	4
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1906	Analysis of ancient and modern horse genomes reveals the critical impact of lncRNA-mediated epigenetic regulation on horse domestication. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
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1911	Tumour infiltrating B cells discriminate checkpoint blockade-induced responses. <i>European Journal of Cancer</i> , 2022, 177, 164-174.	1.3	3
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1914	Benchmarking post-GWAS analysis tools in major depression: Challenges and implications. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
1915	Short-term transcriptomic changes in the mouse neural tube induced by an acute alcohol exposure. <i>Alcohol</i> , 2023, 106, 1-9.	0.8	1
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1928	MicroRNA in Extracellular Vesicles from Patients with Pulmonary Arterial Hypertension Alters Endothelial Angiogenic Response. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11964.	1.8	8
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1935	Plasma proteomics identify potential severity biomarkers from COVID-19 associated network. <i>Proteomics - Clinical Applications</i> , 2023, 17, .	0.8	7
1936	SpinTip: A Simple, Robust, and Versatile Preanalytical Method for Microscale Suspension Cell Proteomics. <i>Journal of Proteome Research</i> , 2022, 21, 2827-2835.	1.8	0
1937	MCC is a centrosomal protein that relocalizes to non-centrosomal apical sites during intestinal cell differentiation. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	0
1938	The Pharmacological Mechanism of Curcumin against Drug Resistance in Non-Small Cell Lung Cancer: Findings of Network Pharmacology and Bioinformatics Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-19.	0.5	2
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1941	Single cell transcriptomic profiling of a neuron-astrocyte assembloid tauopathy model. <i>Nature Communications</i> , 2022, 13, .	5.8	14
1942	Epigenetic divergence during early stages of speciation in an African crater lake cichlid fish. <i>Nature Ecology and Evolution</i> , 2022, 6, 1940-1951.	3.4	14
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1950	Synaptic proteomics reveal distinct molecular signatures of cognitive change and C9ORF72 repeat expansion in the human ALS cortex. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	2.4	16
1951	Longitudinal transcriptome analysis of cattle infected with <i>Theileria parva</i> . <i>International Journal for Parasitology</i> , 2022, , .	1.3	0
1952	Set7 deletion attenuates isoproterenol-induced cardiac fibrosis and delays cardiac dysfunction. <i>Clinical Science</i> , 2022, 136, 1537-1554.	1.8	2
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1954	Network biology analysis of P23H rhodopsin interactome identifies protein and mRNA quality control mechanisms. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1955	Revealing the functions of clonal driver gene mutations in patients based on evolutionary dependencies. <i>Human Mutation</i> , 0, , .	1.1	0
1956	Single-cell analysis of skeletal muscle macrophages reveals age-associated functional subpopulations. <i>ELife</i> , 0, 11, .	2.8	25
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1958	Application of GeneCloudOmics: Transcriptomic Data Analytics for Synthetic Biology. <i>Methods in Molecular Biology</i> , 2023, , 221-263.	0.4	0
1960	Understanding a high-risk acute myeloid leukemia by analyzing the interactome of its major driver mutation. <i>PLoS Genetics</i> , 2022, 18, e1010463.	1.5	1
1961	Disentangling the developmental origins of a novel phenotype: enhancement versus reversal of environmentally induced gene expression. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	2
1962	Genetic Overlap Analysis Identifies a Shared Etiology between Migraine and Headache with Type 2 Diabetes. <i>Genes</i> , 2022, 13, 1845.	1.0	2
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1967	Transcriptome Analysis of Duck and Chicken Brains Infected with Aquatic Bird Bornavirus-1 (ABBV-1). <i>Viruses</i> , 2022, 14, 2211.	1.5	5
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1969	RNAseq Analysis of Brown Adipose Tissue and Thyroid of Newborn Lambs Subjected to Short-Term Cold Exposure Reveals Signs of Early Whitening of Adipose Tissue. <i>Metabolites</i> , 2022, 12, 996.	1.3	2
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1971	Early suppression of antiviral host response and protocadherins by SARS-CoV-2 Spike protein in THP-1-derived macrophage-like cells. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
1972	In silico analysis of key regulatory networks related to microfibril angle in Populus trichocarpa Hook.. , 0, , .		0
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1979	Towards a potential pan-cancer prognostic signature for gene expression based on probesets and ensemble machine learning. <i>BioData Mining</i> , 2022, 15, .	2.2	1
1980	Heterogeneity of the cancer cell line metabolic landscape. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	7
1981	Comprehensive in silico prioritization of pathogenic nsSNPs in human Î²-adducin gene towards finding its relation with cancer. , 2022, 34, 201119.		0
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1983	Sinapic and ferulic acid phenethyl esters increase the expression of steroidogenic genes in MA-10 tumor Leydig cells. <i>Toxicology in Vitro</i> , 2023, 86, 105505.	1.1	2
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1997	Polymorphisms of CRELD1 and DNAJC30 and their relationship with chicken carcass traits. <i>Poultry Science</i> , 2023, 102, 102324.	1.5	3
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2009	Multiomics 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
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2195	Parallel molecular alteration between Alzheimer's disease and major depressive disorder in the human brain dorsolateral prefrontal cortex: an insight from gene expression and methylation profile analyses. <i>Genes and Genetic Systems</i> , 2022, 97, 311-324.	0.2	2
2196	ATP2B4 regulatory genetic variants are associated with mild malaria. <i>Malaria Journal</i> , 2023, 22, .	0.8	0
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2199	Adverse Human Health Effects of Chromium by Exposure Route: A Comprehensive Review Based on Toxicogenomic Approach. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3410.	1.8	5
2200	Integrating Whole-Genome Resequencing and RNA Sequencing Data Reveals Selective Sweeps and Differentially Expressed Genes Related to Nervous System Changes in Luxi Gamecocks. <i>Genes</i> , 2023, 14, 584.	1.0	1
2201	The X-linked epigenetic regulator UTX controls NK cell-intrinsic sex differences. <i>Nature Immunology</i> , 2023, 24, 780-791.	7.0	25
2202	Quantitative Evaluation of Stem-like Markers of Human Glioblastoma Using Single-Cell RNA Sequencing Datasets. <i>Cancers</i> , 2023, 15, 1557.	1.7	3
2203	Bringing synapses into focus: Recent advances in synaptic imaging and mass-spectrometry for studying synaptopathy. <i>Frontiers in Synaptic Neuroscience</i> , 0, 15, .	1.3	2
2204	Cell cycle-dependent palmitoylation of protocadherin 7 by ZDHHC5 promotes successful cytokinesis. <i>Journal of Cell Science</i> , 2023, 136, .	1.2	2
2206	MiRNA-Seq reveals key MicroRNAs involved in fat metabolism of sheep liver. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	0
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2209	Stress decreases spermatozoa quality and induces molecular alterations in zebrafish progeny. <i>BMC Biology</i> , 2023, 21, .	1.7	4
2210	Decrypting drug actions and protein modifications by dose- and time-resolved proteomics. <i>Science</i> , 2023, 380, 93-101.	6.0	21
2211	A Tumor Microenvironment-Driven Network Regulated by STAT3 and p65 Negatively Controls the Enrichment of Cancer Stem Cells in Human HR+/HER2 ⁺ Breast Cancer. <i>Cancers</i> , 2023, 15, 2255.	1.7	1
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2215	MicroRNA 3â€² ends shorten during adolescent brain maturation. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	1.4	0
2216	ROS-lowering doses of vitamins C and A accelerate malignant melanoma metastasis. <i>Redox Biology</i> , 2023, 60, 102619.	3.9	6
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2220	Host-pathogen interaction involving cytoskeleton changes as well as non-coding regulation as primary mechanisms for SRS resistance in Atlantic salmon. <i>Fish and Shellfish Immunology</i> , 2023, 136, 108711.	1.6	0
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2223	Nav1.7 gain-of-function mutation I228M triggers age-dependent nociceptive insensitivity and C-LTMR dysregulation. <i>Experimental Neurology</i> , 2023, 364, 114393.	2.0	3
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2225	A multi-omics integrative analysis based on CRISPR screens re-defines the pluripotency regulatory network in ESCs. <i>Communications Biology</i> , 2023, 6, .	2.0	0
2227	Transcriptional analysis reveals induction of systemic resistance in tomato treated with <i>Chlorella</i> microalgae. <i>Algal Research</i> , 2023, 72, 103106.	2.4	2
2234	Loss of the crumbs cell polarity complex disrupts epigenetic transcriptional control and cell cycle progression in the developing retina. <i>Journal of Pathology</i> , 2023, 259, 441-454.	2.1	1
2235	HGCA2.0: An RNA-Seq Based Webtool for Gene Coexpression Analysis in <i>Homo sapiens</i> . <i>Cells</i> , 2023, 12, 388.	1.8	1
2236	Transcriptomic characterization of clinical skeletal muscle biopsy from late-onset Pompe patients. <i>Molecular Genetics and Metabolism</i> , 2023, 138, 107526.	0.5	2
2237	An ependymal cell census identifies heterogeneous and ongoing cell maturation in the adult mouse spinal cord that changes dynamically on injury. <i>Developmental Cell</i> , 2023, 58, 239-255.e10.	3.1	4
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2240	ASAP ² —Automated Sonication-Free Acid-Assisted Proteomes ² from Cells and FFPE Tissues. <i>Analytical Chemistry</i> , 2023, 95, 3291-3299.	3.2	5
2241	Pangenome obtained by long-read sequencing of 11 genomes reveal hidden functional structural variants in pigs. <i>IScience</i> , 2023, 26, 106119.	1.9	8
2242	Role of immediate early genes in the development of salivary gland organoids in polyisocyanopeptide hydrogels. <i>Frontiers in Molecular Biosciences</i> , 0, 10, .	1.6	2
2243	Integrative in situ mapping of single-cell transcriptional states and tissue histopathology in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , 0, , .	7.1	21
2244	Human IRF1 governs macrophagic IFN- β immunity to mycobacteria. <i>Cell</i> , 2023, 186, 621-645.e33.	13.5	25
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2247	Transcriptional Profile of Exercise-Induced Protection Against Relapse to Cocaine Seeking in a Rat Model. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 734-745.	1.0	0
2248	ESCRT-dependent STING degradation inhibits steady-state and cGAMP-induced signalling. <i>Nature Communications</i> , 2023, 14, .	5.8	25
2249	Spatially constrained gene regulation identifies key genetic contributions of preeclampsia, hypertension, and proteinuria. <i>Biology of Reproduction</i> , 2023, 108, 659-670.	1.2	2
2250	Potential determinants of low circulating glucagon-like peptide 2 concentrations in Zambian children with non-responsive stunting. <i>Experimental Physiology</i> , 2023, 108, 568-580.	0.9	0
2252	Autoantibody screening of plasma and peritoneal fluid of patients with endometriosis. <i>Human Reproduction</i> , 2023, 38, 629-643.	0.4	8
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2257	Aberrant phase separation and nucleolar dysfunction in rare genetic diseases. <i>Nature</i> , 0, , .	13.7	9
2258	Human influenza virus infection elicits distinct patterns of monocyte and dendritic cell mobilization in blood and the nasopharynx. <i>ELife</i> , 0, 12, .	2.8	4

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2262	Transcriptional analysis links B cells and TERT expression to favorable prognosis in head and neck cancer. , 2023, 2, .		2
2263	Plasma Proteomic Variables Related to COVID-19 Severity: An Untargeted nLC-MS/MS Investigation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3570.	1.8	3
2264	Genome-wide DNA methylation analysis in an antimigraine-treated preclinical model of cortical spreading depolarization. <i>Cephalalgia</i> , 2023, 43, 033310242211463.	1.8	1
2265	Human cytomegalovirus infection perturbs neural progenitor cell fate via the expression of viral microRNAs. <i>Journal of Medical Virology</i> , 2023, 95, .	2.5	3
2266	Effects of dietary supplementation with prebiotics and <i>Pediococcus acidilactici</i> on gut health, transcriptome, microbiota, and metabolome in Atlantic salmon (<i>Salmo salar</i> L.) after seawater transfer. <i>Animal Microbiome</i> , 2023, 5, .	1.5	7
2267	KDM8 epigenetically controls cardiac metabolism to prevent initiation of dilated cardiomyopathy. , 2023, 2, 174-191.		3
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2271	Identification of Drug Targets and Agents Associated with Hepatocellular Carcinoma through Integrated Bioinformatics Analysis. <i>Current Cancer Drug Targets</i> , 2023, 23, 547-563.	0.8	2
2273	Multi-Cell Line Analysis of Lysosomal Proteomes Reveals Unique Features and Novel Lysosomal Proteins. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100509.	2.5	8
2274	Inflammation modulates intercellular adhesion and mechanotransduction in human epidermis via ROCK2. <i>iScience</i> , 2023, 26, 106195.	1.9	0
2276	Correlating Basal Gene Expression across Chemical Sensitivity Data to Screen for Novel Synergistic Interactors of HDAC Inhibitors in Pancreatic Carcinoma. <i>Pharmaceuticals</i> , 2023, 16, 294.	1.7	1
2277	Chronic changes in oligodendrocyte <sc>sub–populations</sc> after middle cerebral artery occlusion in neonatal mice. <i>Glia</i> , 2023, 71, 1429-1450.	2.5	2
2278	Metabolic heterogeneity and cross-feeding within isogenic yeast populations captured by DILAC. <i>Nature Microbiology</i> , 2023, 8, 441-454.	5.9	11
2279	Differences in protein expression, at the basal state and at 2Âh of insulin infusion, in muscle biopsies from healthy Arab men with high or low insulin sensitivity measured by hyperinsulinemic euglycemic clamp. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	0

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2284	Proteomic Analysis of Ferrochelatase Interactome in Erythroid and Non-Erythroid Cells. <i>Life</i> , 2023, 13, 577.	1.1	1
2285	Metabolic Background, Not Photosynthetic Physiology, Determines Drought and Drought Recovery Responses in C3 and C2 Moringas. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4094.	1.8	1
2286	A proteomics approach to identify COPD-related changes in lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2023, 324, L521-L535.	1.3	1
2287	Reveal key genes and factors affecting athletes performance in endurance sports using bioinformatic technologies. <i>BMC Genomic Data</i> , 2023, 24, .	0.7	1
2288	DICER1 RNase IIIb domain mutations trigger widespread miRNA dysregulation and MAPK activation in pediatric thyroid cancer. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	7
2289	Transcriptome Profile Reveals Differences between Remote and Ischemic Myocardium after Acute Myocardial Infarction in a Swine Model. <i>Biology</i> , 2023, 12, 340.	1.3	2
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2291	Maximal clique centrality and bottleneck genes as novel biomarkers in ovarian cancer. <i>Biotechnology and Genetic Engineering Reviews</i> , 0, , 1-24.	2.4	0
2293	Coupling Environmental Whole Mixture Toxicity Screening with Unbiased RNA-Seq Reveals Site-Specific Biological Responses in Zebrafish. <i>Toxics</i> , 2023, 11, 201.	1.6	3
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2295	Skeletal dysplasia-causing TRPV4 mutations suppress the hypertrophic differentiation of human iPSC-derived chondrocytes. <i>ELife</i> , 0, 12, .	2.8	3
2297	Whole transcriptome analysis to explore the impaired immunological features in critically ill elderly patients with sepsis. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	2
2298	Cross-trait analyses identify shared genetics between migraine, headache, and glycemic traits, and a causal relationship with fasting proinsulin. <i>Human Genetics</i> , 2023, 142, 1149-1172.	1.8	3
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2306	Building Bridges from Genome to Physiology Using Machine Learning and <i>Drosophila</i> Experimental Evolution. <i>Physiological and Biochemical Zoology</i> , 2023, 96, 192-205.	0.6	0
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2313	Combining long-term circuit mapping and network transcriptomics with SiR-N2c. <i>Nature Methods</i> , 2023, 20, 580-589.	9.0	9
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2322	Endemic Burkitt lymphoma avatar mouse models for exploring inter-patient tumor variation and testing targeted therapies. <i>Life Science Alliance</i> , 2023, 6, e202101355.	1.3	2
2323	The proteome and transcriptome of stress granules and P bodies during human T lymphocyte activation. <i>Cell Reports</i> , 2023, 42, 112211.	2.9	2
2324	Temporal phosphoproteomic analysis of VEGF-A signaling in HUVECs: an insight into early signaling events associated with angiogenesis. <i>Journal of Cell Communication and Signaling</i> , 2023, 17, 1067-1079.	1.8	6

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2334	Clinical and prognostic associations of autoantibodies recognizing adrenergic/muscarinic receptors in patients with heart failure. <i>Cardiovascular Research</i> , 0, , .	1.8	2
2335	Study of the shared gene signatures of polyarticular juvenile idiopathic arthritis and autoimmune uveitis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
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2337	Bromocriptine inhibits proliferation in the endometrium from women with adenomyosis. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	2
2338	Larger cerebral cortex is genetically correlated with greater frontal area and dorsal thickness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	0
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2340	Multidimensional outlook on the pathophysiology of cervical cancer invasion and metastasis. <i>Molecular and Cellular Biochemistry</i> , 2023, 478, 2581-2606.	1.4	1
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2344	MangoBase: A Genomics Portal and Gene Expression Atlas for <i>Mangifera indica</i> . <i>Plants</i> , 2023, 12, 1273.	1.6	3

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2355	Glycolipid transfer protein knockout disrupts vesicle trafficking to the plasma membrane. <i>Journal of Biological Chemistry</i> , 2023, 299, 104607.	1.6	2
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2357	RIP140 deficiency enhances cardiac fuel metabolism and protects mice from heart failure. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	2
2358	A central chaperone-like role for 14-3-3 proteins in human cells. <i>Molecular Cell</i> , 2023, 83, 974-993.e15.	4.5	16
2359	Turnover and replication analysis by isotope labeling (TRAIL) reveals the influence of tissue context on protein and organelle lifetimes. <i>Molecular Systems Biology</i> , 2023, 19, .	3.2	6
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