

# Moderated estimation of fold change and dispersion for

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The reactivity of hydrazine with photosystem II strongly depends on the redox state of the water oxidizing system. <i>FEBS Letters</i> , 1990, 277, 141-146.	1.3	43
2	EZH2 inhibition enhances the efficacy of an EGFR inhibitor in suppressing colon cancer cells. <i>Cancer Biology and Therapy</i> , 2014, 15, 1677-1687.	1.5	49
3	subSeq: Determining Appropriate Sequencing Depth Through Efficient Read Subsampling. <i>Bioinformatics</i> , 2014, 30, 3424-3426.	1.8	43
4	<i>Populus tremula</i> (European aspen) shows no evidence of sexual dimorphism. <i>BMC Plant Biology</i> , 2014, 14, 276.	1.6	45
5	The importance of study design for detecting differentially abundant features in high-throughput experiments. <i>Genome Biology</i> , 2014, 15, 527.	3.8	13
6	Genome analysis of a major urban malaria vector mosquito, <i>Anopheles stephensi</i> . <i>Genome Biology</i> , 2014, 15, 459.	3.8	119
7	Genome-Wide Discovery of Drug-Dependent Human Liver Regulatory Elements. <i>PLoS Genetics</i> , 2014, 10, e1004648.	1.5	36
8	High-resolution mapping of transcriptional dynamics across tissue development reveals a stable mRNA-tRNA interface. <i>Genome Research</i> , 2014, 24, 1797-1807.	2.4	89
9	Species-specific chemosensory gene expression in the olfactory organs of the malaria vector <i>Anopheles gambiae</i> . <i>BMC Genomics</i> , 2014, 15, 1089.	1.2	15
10	Single-cell sequencing. <i>Nature Methods</i> , 2014, 11, 18-18.	9.0	125
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13	Power analysis and sample size estimation for RNA-Seq differential expression. <i>Rna</i> , 2014, 20, 1684-1696.	1.6	204
14	Genomic-wide transcriptional profiling in primary myoblasts reveals Runx1-regulated genes in muscle regeneration. <i>Genomics Data</i> , 2015, 6, 120-122.	1.3	7
15	Actinomycin D Specifically Reduces Expanded CUG Repeat RNA in Myotonic Dystrophy Models. <i>Cell Reports</i> , 2015, 13, 2386-2394.	2.9	74
16	Do count-based differential expression methods perform poorly when genes are expressed in only one condition?. <i>Genome Biology</i> , 2015, 16, 222.	3.8	4
17	RNA sequencing of the nephron transcriptome: a technical note. <i>Kidney Research and Clinical Practice</i> , 2015, 34, 219-227.	0.9	1
18	Differential gene expression in <i>Varroa jacobsoni</i> mites following a host shift to European honey bees ( <i>Apis mellifera</i> )., 2015, , .		0

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20	Gene expression profiling during adventitious root formation in carnation stem cuttings. <i>BMC Genomics</i> , 2015, 16, 789.	1.2	67
21	E2F1 controls germ cell apoptosis during the first wave of spermatogenesis. <i>Andrology</i> , 2015, 3, 1000-1014.	1.9	24
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1807	Network analysis of EMT and MET micro-RNA regulation in breast cancer. <i>Scientific Reports</i> , 2017, 7, 13534.	1.6	48
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1810	Chemosensing of honeybee parasite, <i>Varroa destructor</i> : Transcriptomic analysis. <i>Scientific Reports</i> , 2017, 7, 13091.	1.6	38
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1815	Transcriptional response to West Nile virus infection in the zebra finch ( <i>Taeniopygia guttata</i> ). <i>Royal Society Open Science</i> , 2017, 4, 170296.	1.1	17
1816	Interleukin-10 from CD4 <sup>+</sup> follicular regulatory T cells promotes the germinal center response. <i>Science Immunology</i> , 2017, 2, .	5.6	139
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1818	Leveraging CyVerse Resources for De Novo Comparative Transcriptomics of Underserved (Non-model) Organisms. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	7
1819	Host-microbiota interaction induces bi-phasic inflammation and glucose intolerance in mice. <i>Molecular Metabolism</i> , 2017, 6, 1371-1380.	3.0	30
1820	Histone propionylation is a mark of active chromatin. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 1048-1056.	3.6	148
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1824	Identification and characterization of T regâ€™like cells in zebrafish. <i>Journal of Experimental Medicine</i> , 2017, 214, 3519-3530.	4.2	63
1825	Differing molecular response of young and advanced maternal age human oocytes to IVF. <i>Human Reproduction</i> , 2017, 32, 2199-2208.	0.4	41
1826	Linnorm: improved statistical analysis for single cell RNA-seq expression data. <i>Nucleic Acids Research</i> , 2017, 45, e179-e179.	6.5	100
1827	Fire ant social chromosomes: Differences in number, sequence and expression of odorant binding proteins. <i>Evolution Letters</i> , 2017, 1, 199-210.	1.6	29
1828	Cancer-Specific Retargeting of BAF Complexes by a Prion-like Domain. <i>Cell</i> , 2017, 171, 163-178.e19.	13.5	350
1829	Transcriptome analysis of ankylosing spondylitis patients before and after TNF-Î± inhibitor therapy reveals the pathways affected. <i>Genes and Immunity</i> , 2017, 18, 184-190.	2.2	20
1830	Genomic diversification of giant enteric symbionts reflects host dietary lifestyles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7592-E7601.	3.3	64
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1832	Analysis of the small non-protein-coding RNA profile of mouse spermatozoa reveals specific enrichment of piRNAs within mature spermatozoa. <i>RNA Biology</i> , 2017, 14, 1776-1790.	1.5	57
1833	Zygotic Genome Activation Occurs Shortly after Fertilization in Maize. <i>Plant Cell</i> , 2017, 29, 2106-2125.	3.1	127
1834	Measurement of Transcripts Associated with Photorespiration and Related Redox Signaling. <i>Methods in Molecular Biology</i> , 2017, 1653, 17-29.	0.4	3
1835	Hormesis enables cells to handle accumulating toxic metabolites during increased energy flux. <i>Redox Biology</i> , 2017, 13, 674-686.	3.9	31
1836	Early loss of Crebbp confers malignant stem cell properties on lymphoid progenitors. <i>Nature Cell Biology</i> , 2017, 19, 1093-1104.	4.6	58
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1838	UPF1 helicase promotes TSN-mediated miRNA decay. <i>Genes and Development</i> , 2017, 31, 1483-1493.	2.7	34
1839	Systematic Identification of Determinants for Single-Strand Annealing-Mediated Deletion Formation in <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3269-3279.	0.8	1

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1841	Mesenteric lymph node stromal cell-derived extracellular vesicles contribute to peripheral de novo induction of Foxp3 <sup>+</sup> regulatory T cells. <i>European Journal of Immunology</i> , 2017, 47, 2142-2152.	1.6	13
1842	Integrative single-cell and cell-free plasma RNA transcriptomics elucidates placental cellular dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7786-E7795.	3.3	242
1843	Incorporation of Biological Knowledge Into the Study of Gene-Environment Interactions. <i>American Journal of Epidemiology</i> , 2017, 186, 771-777.	1.6	23
1844	Leaf endophytic fungus interacts with precipitation to alter belowground microbial communities in primary successional dunes. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	35
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1846	The Effects of an Environmentally Relevant Level of Arsenic on the Gut Microbiome and Its Functional Metagenome. <i>Toxicological Sciences</i> , 2017, 160, 193-204.	1.4	101
1847	Tumor-derived exosomes modulate PD-L1 expression in monocytes. <i>Science Immunology</i> , 2017, 2, .	5.6	236
1848	Unmasking Transcriptional Heterogeneity in Senescent Cells. <i>Current Biology</i> , 2017, 27, 2652-2660.e4.	1.8	559
1849	Fate mapping of human glioblastoma reveals an invariant stem cell hierarchy. <i>Nature</i> , 2017, 549, 227-232.	13.7	321
1850	A somatic mutation in erythro-myeloid progenitors causes neurodegenerative disease. <i>Nature</i> , 2017, 549, 389-393.	13.7	144
1851	Reduced generation of lung tissue-resident memory T cells during infancy. <i>Journal of Experimental Medicine</i> , 2017, 214, 2915-2932.	4.2	76
1852	Sequence variants of KHDRBS1 as high penetrance susceptibility risks for primary ovarian insufficiency by mis-regulating mRNA alternative splicing. <i>Human Reproduction</i> , 2017, 32, 2138-2146.	0.4	24
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1854	Analyses of long non-coding RNA and mRNA profiles in the spinal cord of rats using RNA sequencing during the progression of neuropathic pain in an SNI model. <i>RNA Biology</i> , 2017, 14, 1810-1826.	1.5	48
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1856	Transposable elements are the primary source of novelty in primate gene regulation. <i>Genome Research</i> , 2017, 27, 1623-1633.	2.4	197
1857	Distinct gut microbiome patterns associate with consensus molecular subtypes of colorectal cancer. <i>Scientific Reports</i> , 2017, 7, 11590.	1.6	173



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1860	Alternative Polyadenylation of <i>PRELID1</i> Regulates Mitochondrial ROS Signaling and Cancer Outcomes. <i>Molecular Cancer Research</i> , 2017, 15, 1741-1751.	1.5	19
1861	The N6-methyladenosine (m6A)-forming enzyme METTL3 controls myeloid differentiation of normal hematopoietic and leukemia cells. <i>Nature Medicine</i> , 2017, 23, 1369-1376.	15.2	971
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1865	Tissue-, sex-, and age-specific DNA methylation of rat glucocorticoid receptor gene promoter and insulin-like growth factor 2 imprinting control region. <i>Physiological Genomics</i> , 2017, 49, 690-702.	1.0	12
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1867	Metabolic and transcriptomic analysis of Huntington's disease model reveal changes in intracellular glucose levels and related genes. <i>Heliyon</i> , 2017, 3, e00381.	1.4	12
1868	Maternal diabetes causes developmental delay and death in early-somite mouse embryos. <i>Scientific Reports</i> , 2017, 7, 11714.	1.6	9
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1871	Genome editing reveals a role for OCT4 in human embryogenesis. <i>Nature</i> , 2017, 550, 67-73.	13.7	315
1872	Comprehensive analysis of lncRNAs and mRNAs in skeletal muscle of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Experimental Biology</i> , 2017, 230, 107-115.	1.6	9
1873	Precision annotation of digital samples in NCBI's gene expression omnibus. <i>Scientific Data</i> , 2017, 4, 170125.	2.4	44
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1882	Death by HDAC Inhibition in Synovial Sarcoma Cells. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2656-2667.	1.9	28
1883	Basal-A Triple-Negative Breast Cancer Cells Selectively Rely on RNA Splicing for Survival. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2849-2861.	1.9	41
1884	Safety Profile of Good Manufacturing Practice Manufactured Interferon $\beta$ -Primed Mesenchymal Stem/Stromal Cells for Clinical Trials. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1868-1879.	1.6	56
1885	Delayed effects of transcriptional responses in <i>Mycobacterium tuberculosis</i> exposed to nitric oxide suggest other mechanisms involved in survival. <i>Scientific Reports</i> , 2017, 7, 8208.	1.6	39
1886	Loss of NR2E3 represses AHR by LSD1 reprogramming, is associated with poor prognosis in liver cancer. <i>Scientific Reports</i> , 2017, 7, 10662.	1.6	17
1887	Silencing of retrotransposons by SETDB1 inhibits the interferon response in acute myeloid leukemia. <i>Journal of Cell Biology</i> , 2017, 216, 3535-3549.	2.3	144
1888	Dissecting hematopoietic and renal cell heterogeneity in adult zebrafish at single-cell resolution using RNA sequencing. <i>Journal of Experimental Medicine</i> , 2017, 214, 2875-2887.	4.2	168
1889	Replacing reprogramming factors with antibodies selected from combinatorial antibody libraries. <i>Nature Biotechnology</i> , 2017, 35, 960-968.	9.4	34
1890	The impact of immigration on microbial community composition in full-scale anaerobic digesters. <i>Scientific Reports</i> , 2017, 7, 9343.	1.6	127
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1892	Shotgun metagenomics, from sampling to analysis. <i>Nature Biotechnology</i> , 2017, 35, 833-844.	9.4	1,196
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1895	Data Analysis Pipeline for RNA-seq Experiments: From Differential Expression to Cryptic Splicing. <i>Current Protocols in Bioinformatics</i> , 2017, 59, 11.15.1-11.15.21.	25.8	35
1896	<i>Enterococcus faecalis</i> Promotes Innate Immune Suppression and Polymicrobial Catheter-Associated Urinary Tract Infection. <i>Infection and Immunity</i> , 2017, 85, .	1.0	76
1897	A single early-in-life macrolide course has lasting effects on murine microbial network topology and immunity. <i>Nature Communications</i> , 2017, 8, 518.	5.8	119
1898	Molecular insights into photosynthesis and carbohydrate metabolism in <i>Jatropha curcas</i> grown under elevated CO <sub>2</sub> using transcriptome sequencing and assembly. <i>Scientific Reports</i> , 2017, 7, 11066.	1.6	19
1899	Mbd3/NuRD controls lymphoid cell fate and inhibits tumorigenesis by repressing a B cell transcriptional program. <i>Journal of Experimental Medicine</i> , 2017, 214, 3085-3104.	4.2	21
1900	Actinorhodin is a redox-active antibiotic with a complex mode of action against Gram-positive cells. <i>Molecular Microbiology</i> , 2017, 106, 597-613.	1.2	33
1901	Polycomb directs timely activation of germline genes in spermatogenesis. <i>Genes and Development</i> , 2017, 31, 1693-1703.	2.7	52
1902	The non-canonical poly(A) polymerase FAM46C acts as an onco-suppressor in multiple myeloma. <i>Nature Communications</i> , 2017, 8, 619.	5.8	77
1903	A comprehensive characterization of PncA polymorphisms that confer resistance to pyrazinamide. <i>Nature Communications</i> , 2017, 8, 588.	5.8	87
1904	The ClpXP protease is dispensable for degradation of unfolded proteins in <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2017, 7, 11739.	1.6	53
1905	Differential gene expression and SNP association between fast- and slow-growing turbot ( <i>Scophthalmus maximus</i> ). <i>Scientific Reports</i> , 2017, 7, 12105.	1.6	23
1906	A multidimensional blood stimulation assay reveals immune alterations underlying systemic juvenile idiopathic arthritis. <i>Journal of Experimental Medicine</i> , 2017, 214, 3449-3466.	4.2	48
1907	Biogeographic conservation of the cytosine epigenome in the globally important marine, nitrogen-fixing cyanobacterium <i>Trichodesmium</i> . <i>Environmental Microbiology</i> , 2017, 19, 4700-4713.	1.8	13
1908	Comparison of the Microbiota of Older Adults Living in Nursing Homes and the Community. <i>MSphere</i> , 2017, 2, .	1.3	33
1909	Transcriptome profiling of mouse brains with qkl-deficient oligodendrocytes reveals major alternative splicing defects including self-splicing. <i>Scientific Reports</i> , 2017, 7, 7554.	1.6	26
1910	Use antibiotics in cell culture with caution: genome-wide identification of antibiotic-induced changes in gene expression and regulation. <i>Scientific Reports</i> , 2017, 7, 7533.	1.6	67
1911	Genome-wide identification and expression profiling of long non-coding RNAs in auditory and vestibular systems. <i>Scientific Reports</i> , 2017, 7, 8637.	1.6	20

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1913	Dissecting the genomic activity of a transcriptional regulator by the integrative analysis of omics data. <i>Scientific Reports</i> , 2017, 7, 8564.	1.6	6
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1915	Establishment and genomic characterization of the new chordoma cell line Chor-IN-1. <i>Scientific Reports</i> , 2017, 7, 9226.	1.6	14
1916	Discovery and characterization of the feline miRNAome. <i>Scientific Reports</i> , 2017, 7, 9263.	1.6	17
1917	Cross-Species Y Chromosome Function Between Malaria Vectors of the <i>Anopheles gambiae</i> Species Complex. <i>Genetics</i> , 2017, 207, 729-740.	1.2	18
1918	Increased Vascular Permeability in the Bone Marrow Microenvironment Contributes to Disease Progression and Drug Response in Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2017, 32, 324-341.e6.	7.7	179
1919	Prominent topologically associated domains differentiate global chromatin packing in rice from <i>Arabidopsis</i> . <i>Nature Plants</i> , 2017, 3, 742-748.	4.7	200
1920	Environmental drivers of a microbial genomic transition zone in the ocean's interior. <i>Nature Microbiology</i> , 2017, 2, 1367-1373.	5.9	177
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1922	Massive transcriptome sequencing of human spinal cord tissues provides new insights into motor neuron degeneration in ALS. <i>Scientific Reports</i> , 2017, 7, 10046.	1.6	99
1923	Distinct transcriptional responses of lymphatic endothelial cells to VEGFR-3 and VEGFR-2 stimulation. <i>Scientific Data</i> , 2017, 4, 170106.	2.4	25
1924	Extensive genome heterogeneity leads to preferential allele expression and copy number-dependent expression in cultivated potato. <i>Plant Journal</i> , 2017, 92, 624-637.	2.8	54
1925	geneSurv: An interactive web-based tool for survival analysis in genomics research. <i>Computers in Biology and Medicine</i> , 2017, 89, 487-496.	3.9	4
1926	The non-coding RNA landscape of human hematopoiesis and leukemia. <i>Nature Communications</i> , 2017, 8, 218.	5.8	131
1927	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
1928	Genotype-specific physiological and transcriptomic responses to drought stress in <i>Setaria italica</i> (an) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	51
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1933	The Gcn4 transcription factor reduces protein synthesis capacity and extends yeast lifespan. <i>Nature Communications</i> , 2017, 8, 457.	5.8	83
1934	Whole transcriptome profiling of taste bud cells. <i>Scientific Reports</i> , 2017, 7, 7595.	1.6	69
1935	Metabolic Reconstruction and Modeling Microbial Electrosynthesis. <i>Scientific Reports</i> , 2017, 7, 8391.	1.6	117
1936	RNA-Seq analysis on chicken taste sensory organs: An ideal system to study organogenesis. <i>Scientific Reports</i> , 2017, 7, 9131.	1.6	14
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1938	Measuring mRNA Levels Over Time During the Yeast <i>S. cerevisiae</i> ; Hypoxic Response. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
1939	Sensory Neurons Co-opt Classical Immune Signaling Pathways to Mediate Chronic Itch. <i>Cell</i> , 2017, 171, 217-228.e13.	13.5	692
1940	Static and Dynamic DNA Loops form AP-1-Bound Activation Hubs during Macrophage Development. <i>Molecular Cell</i> , 2017, 67, 1037-1048.e6.	4.5	242
1941	The neuropeptide neuromedin U stimulates innate lymphoid cells and type 2 inflammation. <i>Nature</i> , 2017, 549, 282-286.	13.7	400
1942	Comparative Transcriptome Analysis Identified Candidate Genes Related to Bailinggu Mushroom Formation and Genetic Markers for Genetic Analyses and Breeding. <i>Scientific Reports</i> , 2017, 7, 9266.	1.6	50
1943	Transcriptome and proteome analysis reveal new insight into proximal and distal responses of wheat to foliar infection by <i>Xanthomonas translucens</i> . <i>Scientific Reports</i> , 2017, 7, 10157.	1.6	25
1944	Whole Transcriptome Analysis of Notochord-Derived Cells during Embryonic Formation of the Nucleus Pulposus. <i>Scientific Reports</i> , 2017, 7, 10504.	1.6	52
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1946	The tongue microbiome in healthy subjects and patients with intra-oral halitosis. <i>Journal of Breath Research</i> , 2017, 11, 036010.	1.5	53
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1949	Single cells make big data: New challenges and opportunities in transcriptomics. <i>Current Opinion in Systems Biology</i> , 2017, 4, 85-91.	1.3	171
1950	Facultative CTCF sites moderate mammary super-enhancer activity and regulate juxtaposed gene in non-mammary cells. <i>Nature Communications</i> , 2017, 8, 16069.	5.8	30
1951	Transcriptional mechanisms underlying life-history responses to climate change in the three-spined stickleback. <i>Evolutionary Applications</i> , 2017, 10, 718-730.	1.5	24
1952	Transcriptional profiling of mechanically and genetically sink-limited soybeans. <i>Plant, Cell and Environment</i> , 2017, 40, 2307-2318.	2.8	16
1953	RNA-Seq Identifies Circulating miR-125a-5p, miR-125b-5p, and miR-143-3p as Potential Biomarkers for Acute Ischemic Stroke. <i>Circulation Research</i> , 2017, 121, 970-980.	2.0	210
1954	Integrative Genomics Identifies the Molecular Basis of Resistance to Azacitidine Therapy in Myelodysplastic Syndromes. <i>Cell Reports</i> , 2017, 20, 572-585.	2.9	99
1955	Human iPSC Glial Mouse Chimeras Reveal Glial Contributions to Schizophrenia. <i>Cell Stem Cell</i> , 2017, 21, 195-208.e6.	5.2	204
1956	p53 regulates enhancer accessibility and activity in response to DNA damage. <i>Nucleic Acids Research</i> , 2017, 45, 9889-9900.	6.5	61
1957	Drought Stress Results in a Compartment-Specific Restructuring of the Rice Root-Associated Microbiomes. <i>MBio</i> , 2017, 8, .	1.8	336
1958	High-protein diet improves sensitivity to cholecystokinin and shifts the cecal microbiome without altering brain inflammation in diet-induced obesity in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R473-R486.	0.9	17
1959	Insight into synergetic mechanisms of tetracycline and the selective serotonin reuptake inhibitor, sertraline, in a tetracycline-resistant strain of <i>Escherichia coli</i> . <i>Journal of Antibiotics</i> , 2017, 70, 944-953.	1.0	25
1960	Insight into the essential role of the <i>Helicobacter pylori</i> HP1043 orphan response regulator: genome-wide identification and characterization of the DNA-binding sites. <i>Scientific Reports</i> , 2017, 7, 41063.	1.6	34
1961	Activating transcription factor 3 promotes loss of the acinar cell phenotype in response to cerulein-induced pancreatitis in mice. <i>Molecular Biology of the Cell</i> , 2017, 28, 2347-2359.	0.9	21
1962	Retinoid X Receptor Activation Alters the Chromatin Landscape To Commit Mesenchymal Stem Cells to the Adipose Lineage. <i>Endocrinology</i> , 2017, 158, 3109-3125.	1.4	60
1963	Nineteen complex-related factor Prp45 is required for the early stages of cotranscriptional spliceosome assembly. <i>Rna</i> , 2017, 23, 1512-1524.	1.6	7
1964	RNA-Seq-Based Comparative Transcriptomics: RNA Preparation and Bioinformatics. <i>Methods in Molecular Biology</i> , 2017, 1645, 59-72.	0.4	14
1965	Antisense Oligonucleotides Reduce RNA Foci in Spinocerebellar Ataxia 36 Patient iPSCs. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 211-219.	2.3	27

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1967	Bacterial transcriptome remodeling during sequential co-culture with a marine dinoflagellate and diatom. <i>ISME Journal</i> , 2017, 11, 2677-2690.	4.4	96
1968	MYC2 Orchestrates a Hierarchical Transcriptional Cascade That Regulates Jasmonate-Mediated Plant Immunity in Tomato. <i>Plant Cell</i> , 2017, 29, 1883-1906.	3.1	263
1969	Differentially Regulated Orthologs in Sorghum and the Subgenomes of Maize. <i>Plant Cell</i> , 2017, 29, 1938-1951.	3.1	68
1970	Gene expression stasis and plasticity following migration into a foreign environment. <i>Molecular Ecology</i> , 2017, 26, 4657-4670.	2.0	18
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1972	Specific Signatures of the Gut Microbiota and Increased Levels of Butyrate in Children Treated with Fermented Cow's Milk Containing Heat-Killed <i>Lactobacillus paracasei</i> CBA L74. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	92
1973	TLR4 and C5aR crosstalk in dendritic cells induces a core regulatory network of RSK2, PI3KÎ², SGK1, and FOXO transcription factors. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1035-1054.	1.5	12
1974	Drosophila Histone Demethylase KDM4A Has Enzymatic and Non-enzymatic Roles in Controlling Heterochromatin Integrity. <i>Developmental Cell</i> , 2017, 42, 156-169.e5.	3.1	38
1975	<scp>RNA</scp> sequencing in postâ€mortem human brains of neuropsychiatric disorders. <i>Psychiatry and Clinical Neurosciences</i> , 2017, 71, 663-672.	1.0	14
1976	SRSF shape analysis for sequencing data reveal new differentiating patterns. <i>Computational Biology and Chemistry</i> , 2017, 70, 56-64.	1.1	1
1977	Regulatory Expansion in Mammals of Multivalent hnRNP Assemblies that Globally Control Alternative Splicing. <i>Cell</i> , 2017, 170, 324-339.e23.	13.5	119
1978	Gene Regulatory Networks for the Haploid-to-Diploid Transition of <i>Chlamydomonas reinhardtii</i>. <i>Plant Physiology</i> , 2017, 175, 314-332.	2.3	42
1979	The coâ€regulatory networks of tumor suppressor genes, oncogenes, and miRNAs in colorectal cancer. <i>Genes Chromosomes and Cancer</i> , 2017, 56, 769-787.	1.5	67
1980	Taming Human Genetic Variability: Transcriptomic Meta-Analysis Guides the Experimental Design and Interpretation of iPSC-Based Disease Modeling. <i>Stem Cell Reports</i> , 2017, 8, 1784-1796.	2.3	86
1981	N-myc regulates growth and fiber cell differentiation in lens development. <i>Developmental Biology</i> , 2017, 429, 105-117.	0.9	37
1982	Clinical value of integratedâ€signature mi<scp>RNA</scp>s in esophageal cancer. <i>Cancer Medicine</i> , 2017, 6, 1893-1903.	1.3	10
1983	Integrative analysis of mRNA and miRNA expression profiles in oral lichen planus: preliminary results. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 124, 390-402.e17.	0.2	22

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1986	Dual RNA $\text{\u2013}$ Seq of <i>Lysobacter capsici</i> AZ78 $\text{\u2013}$ <i>Phytophthora infestans</i> interaction shows the implementation of attack strategies by the bacterium and unsuccessful oomycete defense responses. <i>Environmental Microbiology</i> , 2017, 19, 4113-4125.	1.8	30
1987	<i>Fusobacterium nucleatum</i> Promotes Chemoresistance to Colorectal Cancer by Modulating Autophagy. <i>Cell</i> , 2017, 170, 548-563.e16.	13.5	1,377
1988	Detecting splicing patterns in genes involved in hereditary breast and ovarian cancer. <i>European Journal of Human Genetics</i> , 2017, 25, 1147-1154.	1.4	76
1989	Embryo implantation evolved from an ancestral inflammatory attachment reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6566-E6575.	3.3	165
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1991	Rapid evolution of female-biased genes among four species of <i>Anopheles</i> malaria mosquitoes. <i>Genome Research</i> , 2017, 27, 1536-1548.	2.4	60
1992	Plant iTRAQ $\text{\u2013}$ Based Proteomics. <i>Current Protocols in Plant Biology</i> , 2017, 2, 158-172.	2.8	4
1993	Response of <i>Lactobacillus acidophilus</i> ATCC 4356 to low-shear modeled microgravity. <i>Acta Astronautica</i> , 2017, 139, 463-468.	1.7	18
1994	Apolipoprotein E Promotes Invasion in Oral Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2017, 187, 2259-2272.	1.9	22
1995	Kinetic CRAC uncovers a role for Nab3 in determining gene expression profiles during stress. <i>Nature Communications</i> , 2017, 8, 12.	5.8	78
1996	Soil classification predicts differences in prokaryotic communities across a range of geographically distant soils once pH is accounted for. <i>Scientific Reports</i> , 2017, 7, 45369.	1.6	19
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1998	PLATE-Seq for genome-wide regulatory network analysis of high-throughput screens. <i>Nature Communications</i> , 2017, 8, 105.	5.8	109
1999	Generation and Characterization of Acid Tolerant <i>Fibrobacter succinogenes</i> S85. <i>Scientific Reports</i> , 2017, 7, 2277.	1.6	14
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2004	RNA sequencing reveals resistance of TLR4 ligand-activated microglial cells to inflammation mediated by the selective jumonji H3K27 demethylase inhibitor. <i>Scientific Reports</i> , 2017, 7, 6554.	1.6	44
2005	Bacteriophages as potential new mammalian pathogens. <i>Scientific Reports</i> , 2017, 7, 7043.	1.6	94
2006	Pediatric Sarcoma Data Forms a Unique Cluster Measured via the Earth Mover's Distance. <i>Scientific Reports</i> , 2017, 7, 7035.	1.6	19
2007	Two interacting PPR proteins are major Arabidopsis editing factors in plastid and mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8877-8882.	3.3	111
2008	Single-cell transcriptomics reveals gene signatures and alterations associated with aging in distinct neural stem/progenitor cell subpopulations. <i>Protein and Cell</i> , 2018, 9, 351-364.	4.8	31
2009	Single-Cell Landscape of Transcriptional Heterogeneity and Cell Fate Decisions during Mouse Early Gastrulation. <i>Cell Reports</i> , 2017, 20, 1215-1228.	2.9	290
2010	Long-Term Cold Adaptation Does Not Require FGF21 or UCP1. <i>Cell Metabolism</i> , 2017, 26, 437-446.e5.	7.2	100
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2012	Copper homeostasis networks in the bacterium <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 15691-15704.	1.6	100
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2014	Whole transcriptome data of zebrafish exposed to chronic dose of depleted uranium. <i>Data in Brief</i> , 2017, 14, 474-482.	0.5	2
2015	ABC transporters in the liver fluke <i>Opisthorchis felineus</i> . <i>Molecular and Biochemical Parasitology</i> , 2017, 216, 60-68.	0.5	14
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2017	Soil mycorrhizal and nematode diversity vary in response to bioenergy crop identity and fertilization. <i>GCB Bioenergy</i> , 2017, 9, 1644-1656.	2.5	32
2018	<i>Streptococcus pneumoniae</i> Colonization Is Required To Alter the Nasal Microbiota in Cigarette Smoke-Exposed Mice. <i>Infection and Immunity</i> , 2017, 85, .	1.0	11
2019	Epigenetic resetting of human pluripotency. <i>Development (Cambridge)</i> , 2017, 144, 2748-2763.	1.2	225
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2022	Antipsychotic-induced Hdac2 transcription via NF- $\kappa$ B leads to synaptic and cognitive side effects. <i>Nature Neuroscience</i> , 2017, 20, 1247-1259.	7.1	79
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2024	The Helicase Aquarius/EMB-4 Is Required to Overcome Intronic Barriers to Allow Nuclear RNAi Pathways to Heritably Silence Transcription. <i>Developmental Cell</i> , 2017, 42, 241-255.e6.	3.1	61
2025	The Conserved Intron Binding Protein EMB-4 Plays Differential Roles in Germline Small RNA Pathways of <i>C.Ælegans</i> . <i>Developmental Cell</i> , 2017, 42, 256-270.e6.	3.1	24
2026	mRNA 3' uridylation and poly(A) tail length sculpt the mammalian maternal transcriptome. <i>Nature</i> , 2017, 548, 347-351.	13.7	142
2027	The Neuropeptide Corazonin Controls Social Behavior and Caste Identity in Ants. <i>Cell</i> , 2017, 170, 748-759.e12.	13.5	146
2028	Transcription-Replication Conflict Orientation Modulates R-Loop Levels and Activates Distinct DNA Damage Responses. <i>Cell</i> , 2017, 170, 774-786.e19.	13.5	461
2029	Myc Regulates Chromatin Decompaction and Nuclear Architecture during B Cell Activation. <i>Molecular Cell</i> , 2017, 67, 566-578.e10.	4.5	174
2030	Antibiotics Disrupt Coordination between Transcriptional and Phenotypic Stress Responses in Pathogenic Bacteria. <i>Cell Reports</i> , 2017, 20, 1705-1716.	2.9	65
2031	Mutations in eIF5B Confer Thermosensitive and Pleiotropic Phenotypes via Translation Defects in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2017, 29, 1952-1969.	3.1	43
2032	Wnt9a Can Influence Cell Fates and Neural Connectivity across the Radial Axis of the Developing Cochlea. <i>Journal of Neuroscience</i> , 2017, 37, 8975-8988.	1.7	20
2033	CDK4/6 inhibition triggers anti-tumour immunity. <i>Nature</i> , 2017, 548, 471-475.	13.7	998
2034	SmgGDS is a transient nucleolar protein that protects cells from nucleolar stress and promotes the cell cycle by regulating DREAM complex gene expression. <i>Oncogene</i> , 2017, 36, 6873-6883.	2.6	13
2035	Obesity-associated gene <i>TMEM18</i> has a role in the central control of appetite and body weight regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9421-9426.	3.3	57
2036	Heart morphogenesis gene regulatory networks revealed by temporal expression analysis. <i>Development (Cambridge)</i> , 2017, 144, 3487-3498.	1.2	19
2037	Characterization of the human thyroid epigenome. <i>Journal of Endocrinology</i> , 2017, 235, 153-165.	1.2	8
2038	RNA-seq analysis of amygdala tissue reveals characteristic expression profiles in schizophrenia. <i>Translational Psychiatry</i> , 2017, 7, e1203-e1203.	2.4	63

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2041	Neural Precursor-Derived Pleiotrophin Mediates Subventricular Zone Invasion by Glioma. <i>Cell</i> , 2017, 170, 845-859.e19.	13.5	159
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2043	Impaired DNA replication derepresses chromatin and generates a transgenerationally inherited epigenetic memory. <i>Science Advances</i> , 2017, 3, e1701143.	4.7	12
2044	The microbial metabolite desaminotyrosine protects from influenza through type I interferon. <i>Science</i> , 2017, 357, 498-502.	6.0	391
2045	A pathology atlas of the human cancer transcriptome. <i>Science</i> , 2017, 357, .	6.0	2,570
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2047	Metabolic disruption of zebrafish ( <i>Danio rerio</i> ) embryos by bisphenol A. An integrated metabolomic and transcriptomic approach. <i>Environmental Pollution</i> , 2017, 231, 22-36.	3.7	65
2048	Progranulin deficiency causes impairment of autophagy and TDP-43 accumulation. <i>Journal of Experimental Medicine</i> , 2017, 214, 2611-2628.	4.2	101
2049	Amazonian Dark Earth and Its Black Carbon Particles Harbor Different Fungal Abundance and Diversity. <i>Pedosphere</i> , 2017, 27, 832-845.	2.1	8
2050	Loss of a mammalian circular RNA locus causes miRNA deregulation and affects brain function. <i>Science</i> , 2017, 357, .	6.0	978
2051	<i>Hamp1</i> mRNA and plasma hepcidin levels are influenced by sex and strain but do not predict tissue iron levels in inbred mice. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G511-G523.	1.6	8
2052	Transcriptome profiling from adipose tissue during a low-calorie diet reveals predictors of weight and glycemic outcomes in obese, nondiabetic subjects. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 736-746.	2.2	59
2053	A comprehensive, cell specific microRNA catalogue of human peripheral blood. <i>Nucleic Acids Research</i> , 2017, 45, 9290-9301.	6.5	159
2054	Transcriptomic basis of genome by genome variation in a legume-rhizobia mutualism. <i>Molecular Ecology</i> , 2017, 26, 6122-6135.	2.0	40
2055	The Transcriptome of Estrogen-Independent Mammary Growth in Female Mice Reveals That Not All Mammary Glands Are Created Equally. <i>Endocrinology</i> , 2017, 158, 3126-3139.	1.4	6
2056	DJ-1 is a redox sensitive adapter protein for high molecular weight complexes involved in regulation of catecholamine homeostasis. <i>Human Molecular Genetics</i> , 2017, 26, 4028-4041.	1.4	19
2057	Small noncoding RNA expression during extreme anoxia tolerance of annual killifish ( <i>Austrofundulus limnaeus</i> ) embryos. <i>Physiological Genomics</i> , 2017, 49, 505-518.	1.0	25

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2060	Plasmacytoid dendritic cells appear inactive during sub-microscopic <i>Plasmodium falciparum</i> blood-stage infection, yet retain their ability to respond to TLR stimulation. <i>Scientific Reports</i> , 2017, 7, 2596.	1.6	24
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2062	Gene expression reversal toward pre-adult levels in the aging human brain and age-related loss of cellular identity. <i>Scientific Reports</i> , 2017, 7, 5894.	1.6	35
2063	VGLL4 Selectively Represses YAP-Dependent Gene Induction and Tumorigenic Phenotypes in Breast Cancer. <i>Scientific Reports</i> , 2017, 7, 6190.	1.6	46
2064	RIP-Seq Suggests Translational Regulation by L7Ae in <i>Archaea</i> . <i>MBio</i> , 2017, 8, .	1.8	23
2065	Characterization of the piRNA pathway during development of the sea anemone <i>Nematostella vectensis</i> . <i>RNA Biology</i> , 2017, 14, 1727-1741.	1.5	49
2066	A genome-wide transcriptome and translome analysis of <i>Arabidopsis</i> transposons identifies a unique and conserved genome expression strategy for <i>Ty1/Copia</i> retroelements. <i>Genome Research</i> , 2017, 27, 1549-1562.	2.4	46
2067	Regulation of gene expression is associated with tolerance of the Arctic copepod <i>Calanus glacialis</i> to $\text{CO}_2$ acidified sea water. <i>Ecology and Evolution</i> , 2017, 7, 7145-7160.	0.8	53
2068	Co-regulation of microRNAs and transcription factors in cardiomyocyte specific differentiation of murine embryonic stem cells: An aspect from transcriptome analysis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 983-1001.	0.9	5
2069	Organotypic models of type III interferon-mediated protection from Zika virus infections at the maternal-fetal interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9433-9438.	3.3	79
2070	<i>Metallibacterium scheffleri</i> : Genomic data reveal a versatile metabolism. <i>FEMS Microbiology Ecology</i> , 2017, 93, fix011.	1.3	9
2071	Ecosystem Resilience and Limitations Revealed by Soil Bacterial Community Dynamics in a Bark Beetle-Impacted Forest. <i>MBio</i> , 2017, 8, .	1.8	9
2072	MPK1/SLT2 Links Multiple Stress Responses with Gene Expression in Budding Yeast by Phosphorylating Tyr1 of the RNAP II CTD. <i>Molecular Cell</i> , 2017, 68, 913-925.e3.	4.5	32
2073	Three distinct developmental pathways for adaptive and two IFN- $\gamma$ -producing $\gamma\delta$ T subsets in adult thymus. <i>Nature Communications</i> , 2017, 8, 1911.	5.8	38
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2077	Roquin Suppresses the PI3K-mTOR Signaling Pathway to Inhibit T Helper Cell Differentiation and Conversion of Treg to Tfr Cells. <i>Immunity</i> , 2017, 47, 1067-1082.e12.	6.6	109
2078	Aging impairs both primary and secondary RIG-I signaling for interferon induction in human monocytes. <i>Science Signaling</i> , 2017, 10, .	1.6	113
2079	Expression profiling of the retina of pde6c, a zebrafish model of retinal degeneration. <i>Scientific Data</i> , 2017, 4, 170182.	2.4	21
2080	Post-transcriptional 3' UTR cleavage of mRNA transcripts generates thousands of stable uncapped autonomous RNA fragments. <i>Nature Communications</i> , 2017, 8, 2029.	5.8	46
2081	Core-binding factor $\beta$ and Runx transcription factors promote adaptive natural killer cell responses. <i>Science Immunology</i> , 2017, 2, .	5.6	70
2082	Challenges in the Setup of Large-scale Next-Generation Sequencing Analysis Workflows. <i>Computational and Structural Biotechnology Journal</i> , 2017, 15, 471-477.	1.9	47
2083	MicroRNA expression profiles in non-epithelial ovarian tumors. <i>International Journal of Oncology</i> , 2018, 52, 55-66.	1.4	14
2084	Promoter-bound METTL3 maintains myeloid leukaemia by m6A-dependent translation control. <i>Nature</i> , 2017, 552, 126-131.	13.7	833
2085	Remodelling of the gut microbiota by hyperactive NLRP3 induces regulatory T cells to maintain homeostasis. <i>Nature Communications</i> , 2017, 8, 1896.	5.8	147
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2087	Centromere evolution and CpG methylation during vertebrate speciation. <i>Nature Communications</i> , 2017, 8, 1833.	5.8	78
2088	Sex differences in peripheral not central immune responses to pain-inducing injury. <i>Scientific Reports</i> , 2017, 7, 16460.	1.6	92
2089	CMScaller: an R package for consensus molecular subtyping of colorectal cancer pre-clinical models. <i>Scientific Reports</i> , 2017, 7, 16618.	1.6	229
2090	YY1 Is a Structural Regulator of Enhancer-Promoter Loops. <i>Cell</i> , 2017, 171, 1573-1588.e28.	13.5	749
2091	Control of Huntington's Disease-Associated Phenotypes by the Striatum-Enriched Transcription Factor Foxp2. <i>Cell Reports</i> , 2017, 21, 2688-2695.	2.9	22
2092	Cockayne's Syndrome A and B Proteins Regulate Transcription Arrest after Genotoxic Stress by Promoting ATF3 Degradation. <i>Molecular Cell</i> , 2017, 68, 1054-1066.e6.	4.5	71
2093	Integrative transcriptomic analysis reveals key drivers of acute peanut allergic reactions. <i>Nature Communications</i> , 2017, 8, 1943.	5.8	64

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2095	<i>Kras</i> mutant genetically engineered mouse models of human cancers are genomically heterogeneous. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10947-E10955.	3.3	58
2096	A small-molecule inhibitor of TRPC5 ion channels suppresses progressive kidney disease in animal models. <i>Science</i> , 2017, 358, 1332-1336.	6.0	135
2097	Overexpression of suppressive microRNAs, miR-30a and miR-200c are associated with improved survival of breast cancer patients. <i>Scientific Reports</i> , 2017, 7, 15945.	1.6	62
2098	PinAPL-Py: A comprehensive web-application for the analysis of CRISPR/Cas9 screens. <i>Scientific Reports</i> , 2017, 7, 15854.	1.6	75
2099	Genome-wide identification and differential analysis of translational initiation. <i>Nature Communications</i> , 2017, 8, 1749.	5.8	100
2100	Stem cell senescence drives age-attenuated induction of pituitary tumours in mouse models of paediatric craniopharyngioma. <i>Nature Communications</i> , 2017, 8, 1819.	5.8	76
2101	Constitutively Active SMAD2/3 Are Broad-Scope Potentiators of Transcription-Factor-Mediated Cellular Reprogramming. <i>Cell Stem Cell</i> , 2017, 21, 791-805.e9.	5.2	35
2102	NSD1- and NSD2-damaging mutations define a subset of laryngeal tumors with favorable prognosis. <i>Nature Communications</i> , 2017, 8, 1772.	5.8	40
2103	High-resolution mapping of <i>cis</i> -regulatory variation in budding yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10736-E10744.	3.3	50
2104	Differential Expression of MicroRNAs in Embryos and Larvae of Mahi-Mahi ( <i>Coryphaena</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td Letters, 2017, 4, 523-529.	3.9	15
2105	Pluripotent state transitions coordinate morphogenesis in mouse and human embryos. <i>Nature</i> , 2017, 552, 239-243.	13.7	193
2106	RNA polymerase III limits longevity downstream of TORC1. <i>Nature</i> , 2017, 552, 263-267.	13.7	83
2107	<i>Egr1</i> deficiency induces browning of inguinal subcutaneous white adipose tissue in mice. <i>Scientific Reports</i> , 2017, 7, 16153.	1.6	22
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2118	Regulation of gene expression and RNA editing in <i>Drosophila</i> adapting to divergent microclimates. <i>Nature Communications</i> , 2017, 8, 1570.	5.8	43
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2705	Integrated analysis of isopentenyl pyrophosphate (IPP) toxicity in isoprenoid-producing <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2018, 47, 60-72.	3.6	106
2706	Low incubation temperature during early development negatively affects survival and related innate immune processes in zebrafish larvae exposed to lipopolysaccharide. <i>Scientific Reports</i> , 2018, 8, 4142.	1.6	28
2707	Investigation of Cry3Bb1 resistance and intoxication in western corn rootworm by RNA sequencing. <i>Journal of Applied Entomology</i> , 2018, 142, 921-936.	0.8	11
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2710	The SMAD2/3 interactome reveals that TGF $\beta$ 2 controls m6A mRNA methylation in pluripotency. <i>Nature</i> , 2018, 555, 256-259.	13.7	283
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2713	Genome-wide genetic variation and comparison of fruit-associated traits between kumquat ( <i>Citrus</i> ) and orange ( <i>Citrus</i> ). <i>PLoS ONE</i> , 2018, 13, e0194000.	2.0	10
2714	GDCRNATools: an R/Bioconductor package for integrative analysis of lncRNA, miRNA and mRNA data in GDC. <i>Bioinformatics</i> , 2018, 34, 2515-2517.	1.8	195
2715	$\beta$ 2-adrenergic receptor-mediated negative regulation of group 2 innate lymphoid cell responses. <i>Science</i> , 2018, 359, 1056-1061.	6.0	262
2716	Gut microbial composition in patients with psoriasis. <i>Scientific Reports</i> , 2018, 8, 3812.	1.6	144
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2718	Discovery and Validation of Circulating Biomarkers of Colorectal Adenoma by High-Depth Small RNA Sequencing. <i>Clinical Cancer Research</i> , 2018, 24, 2092-2099.	3.2	22
2719	A Phase I Study of CPI-613 in Combination with High-Dose Cytarabine and Mitoxantrone for Relapsed or Refractory Acute Myeloid Leukemia. <i>Clinical Cancer Research</i> , 2018, 24, 2060-2073.	3.2	72
2720	Growth medium and incubation temperature alter the <i>Pseudogymnoascus destructans</i> transcriptome: implications in identifying virulence factors. <i>Mycologia</i> , 2018, 110, 300-315.	0.8	11
2721	Transcriptional Landscape and Regulatory Roles of Small Noncoding RNAs in the Oxidative Stress Response of the Haloarchaeon <i>Haloferax volcanii</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	48
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2723	Pro-inflammatory cytokine and high doses of ionizing radiation have similar effects on the expression of NF-kappaB-dependent genes. <i>Cellular Signalling</i> , 2018, 46, 23-31.	1.7	28
2724	Thylakoidal APX modulates hydrogen peroxide content and stomatal closure in rice ( <i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> , 2018, 150, 46-56.	2.0	20
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2726	Placental function and structure at term is altered in broodmares fed with cereals from mid-gestation. <i>Placenta</i> , 2018, 64, 44-52.	0.7	10



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2729	An OMIC approach to elaborate the antibacterial mechanisms of different alkaloids. <i>Phytochemistry</i> , 2018, 149, 123-131.	1.4	17
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2733	Regulons and protein-protein interactions of PRD-containing <i>Bacillus anthracis</i> virulence regulators reveal overlapping but distinct functions. <i>Molecular Microbiology</i> , 2018, 109, 1-22.	1.2	15
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2736	Introduction to Single-Cell RNA Sequencing. <i>Current Protocols in Molecular Biology</i> , 2018, 122, e57.	2.9	115
2737	Single-cell RNA-Seq reveals cell heterogeneity and hierarchy within mouse mammary epithelia. <i>Journal of Biological Chemistry</i> , 2018, 293, 8315-8329.	1.6	40
2738	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca <sup>2+</sup> -NFAT signaling. <i>Genes and Development</i> , 2018, 32, 497-511.	2.7	97
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2740	Avian transcriptomics: opportunities and challenges. <i>Journal of Ornithology</i> , 2018, 159, 599-629.	0.5	31
2741	Genomic and transcriptomic alterations in <i>Leishmania donovani</i> lines experimentally resistant to antileishmanial drugs. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 246-264.	1.4	49
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2743	Regulation of Cell-to-Cell Communication and Cell Wall Integrity by a Network of MAP Kinase Pathways and Transcription Factors in <i>Neurospora crassa</i> . <i>Genetics</i> , 2018, 209, 489-506.	1.2	45
2745	Food Spoilage-Associated <i>Leuconostoc</i> , <i>Lactococcus</i> , and <i>Lactobacillus</i> Species Display Different Survival Strategies in Response to Competition. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	50

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2748	Cardiac recovery via extended cell-free delivery of extracellular vesicles secreted by cardiomyocytes derived from induced pluripotent stem cells. <i>Nature Biomedical Engineering</i> , 2018, 2, 293-303.	11.6	249
2749	Iron homeostasis regulates facultative heterochromatin assembly in adaptive genome control. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 372-383.	3.6	28
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2751	BioMuta and BioXpress: mutation and expression knowledgebases for cancer biomarker discovery. <i>Nucleic Acids Research</i> , 2018, 46, D1128-D1136.	6.5	78
2752	The <i>Physcomitrella patens</i> gene atlas project: large-scale RNA-seq based expression data. <i>Plant Journal</i> , 2018, 95, 168-182.	2.8	115
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2759	Morphogenesis and Compartmentalization of the Intestinal Crypt. <i>Developmental Cell</i> , 2018, 45, 183-197.e5.	3.1	111
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2778	Accelerating Early Antituberculosis Drug Discovery by Creating Mycobacterial Indicator Strains That Predict Mode of Action. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	15
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2780	<i>BEL1</i> <i>LIKE HOMEODOMAIN11</i> regulates chloroplast development and chlorophyll synthesis in tomato fruit. <i>Plant Journal</i> , 2018, 94, 1126-1140.	2.8	76
2781	The skin microbiome of wound scars and unaffected skin in patients with moderate to severe burns in the subacute phase. <i>Wound Repair and Regeneration</i> , 2018, 26, 182-191.	1.5	16

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2783	Nuclear receptor NR2F6 inhibition potentiates responses to PD-L1/PD-1 cancer immune checkpoint blockade. <i>Nature Communications</i> , 2018, 9, 1538.	5.8	49
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2795	Tumor Evolution and Drug Response in Patient-Derived Organoid Models of Bladder Cancer. <i>Cell</i> , 2018, 173, 515-528.e17.	13.5	540
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2801	Fermentation products in the cystic fibrosis airways induce aggregation and dormancy-associated expression profiles in a CF clinical isolate of <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	27
2802	<scp>RNA</scp>-based analyses reveal fungal communities structured by a senescence gradient in the moss <i>Dicranum scoparium</i> and the presence of putative multi-trophic fungi. <i>New Phytologist</i> , 2018, 218, 1597-1611.	3.5	44
2803	MiR-19b-3p Regulates MAPK1 Expression in Embryonic Fibroblasts from the Great Tit ( <i>Parus Major</i> ) Under Hypoxic Conditions. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 546-560.	1.1	16
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2807	Histone deacetylation promotes transcriptional silencing at facultative heterochromatin. <i>Nucleic Acids Research</i> , 2018, 46, 5426-5440.	6.5	28
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2816	Mutations in glycyl-tRNA synthetase impair mitochondrial metabolism in neurons. <i>Human Molecular Genetics</i> , 2018, 27, 2187-2204.	1.4	26
2817	RNA seq analysis of potato cyst nematode interactions with resistant and susceptible potato roots. <i>European Journal of Plant Pathology</i> , 2018, 152, 531-539.	0.8	9

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2831	Impact of a vegan diet on the human salivary microbiota. <i>Scientific Reports</i> , 2018, 8, 5847.	1.6	93
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2833	HNRNPA1 promotes recognition of splice site decoys by U2AF2 in vivo. <i>Genome Research</i> , 2018, 28, 689-698.	2.4	28
2834	Transcriptional profiling of murine osteoblast differentiation based on RNA-seq expression analyses. <i>Bone</i> , 2018, 113, 29-40.	1.4	13
2835	TREM2-activating antibodies abrogate the negative pleiotropic effects of the Alzheimer's disease variant Trem2R47H on murine myeloid cell function. <i>Journal of Biological Chemistry</i> , 2018, 293, 12620-12633.	1.6	75

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2845	Short-term acclimation in adults does not predict offspring acclimation potential to hypoxia. <i>Scientific Reports</i> , 2018, 8, 3174.	1.6	13
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2999	Key microbial taxa in the rhizosphere of sorghum and sunflower grown in crop rotation. <i>Science of the Total Environment</i> , 2018, 624, 530-539.	3.9	69
3000	Succession of Fungal and Oomycete Communities in Glyphosate-Killed Wheat Roots. <i>Phytopathology</i> , 2018, 108, 582-594.	1.1	10
3001	Transcriptomic changes following valproic acid treatment promote neurogenesis and minimize secondary brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 84, 459-465.	1.1	30
3002	Endocrine disruption and differential gene expression in sentinel fish on St. Lawrence Island, Alaska: Health implications for indigenous residents. <i>Environmental Pollution</i> , 2018, 234, 279-287.	3.7	17
3003	Bacterial rather than fungal community composition is associated with microbial activities and nutrient-use efficiencies in a paddy soil with short-term organic amendments. <i>Plant and Soil</i> , 2018, 424, 335-349.	1.8	88
3004	Cancer transcriptome profiling at the juncture of clinical translation. <i>Nature Reviews Genetics</i> , 2018, 19, 93-109.	7.7	202
3005	Comparative Metagenomics. <i>Methods in Molecular Biology</i> , 2018, 1704, 243-260.	0.4	2
3006	Transcriptomic profiles of post-smolt Atlantic salmon challenged with <i>Piscirickettsia salmonis</i> reveal a strategy to evade the adaptive immune response and modify cell-autonomous immunity. <i>Developmental and Comparative Immunology</i> , 2018, 81, 348-362.	1.0	44
3007	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. <i>Cell</i> , 2018, 172, 147-161.e12.	13.5	702
3008	Retrovirus-like Gag Protein Arc1 Binds RNA and Traffics across Synaptic Boutons. <i>Cell</i> , 2018, 172, 262-274.e11.	13.5	344
3009	Transcriptomic evidence of immune activation in macroscopically normal-appearing and scarred lung tissues in idiopathic pulmonary fibrosis. <i>Cellular Immunology</i> , 2018, 325, 1-13.	1.4	47
3010	Minimally invasive skin tape strip RNA sequencing identifies novel characteristics of the type 2 <sup>h</sup> atopic dermatitis disease endotype. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1298-1309.	1.5	85
3011	Nasopharyngeal <i>Lactobacillus</i> is associated with a reduced risk of childhood wheezing illnesses following acute respiratory syncytial virus infection in infancy. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1447-1456.e9.	1.5	74
3012	RNA-Seq Analysis of an Antisense Sequence Optimized for Exon Skipping in Duchenne Patients Reveals No Off-Target Effect. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 10, 277-291.	2.3	8
3013	A Non-canonical BCOR-PRC1.1 Complex Represses Differentiation Programs in Human ESCs. <i>Cell Stem Cell</i> , 2018, 22, 235-251.e9.	5.2	80
3014	Temporal Layering of Signaling Effectors Drives Chromatin Remodeling during Hair Follicle Stem Cell Lineage Progression. <i>Cell Stem Cell</i> , 2018, 22, 398-413.e7.	5.2	85
3015	Transcriptome analysis of bovine lymphocytes stimulated by <i>Atractylodis macrocephalae</i> Koidz. polysaccharides in vitro. <i>Veterinary Immunology and Immunopathology</i> , 2018, 196, 30-34.	0.5	21



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3016	Pinpointing wastewater and process parameters controlling the AOB to NOB activity ratio in sewage treatment plants. <i>Water Research</i> , 2018, 138, 37-46.	5.3	34
3017	Parental exposure to gamma radiation causes progressively altered transcriptomes linked to adverse effects in zebrafish offspring. <i>Environmental Pollution</i> , 2018, 234, 855-863.	3.7	22
3018	Associations between <i>Escherichia coli</i> O157 shedding and the faecal microbiota of dairy cows. <i>Journal of Applied Microbiology</i> , 2018, 124, 881-898.	1.4	15
3019	visnormsc: A Graphical User Interface to Normalize Single-cell RNA Sequencing Data. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 636-640.	2.2	1
3020	Single-tubule RNA-Seq uncovers signaling mechanisms that defend against hyponatremia in SIADH. <i>Kidney International</i> , 2018, 93, 128-146.	2.6	23
3021	MicroRNAs in CSF as prodromal biomarkers for Huntington disease in the PREDICT-HD study. <i>Neurology</i> , 2018, 90, e264-e272.	1.5	65
3022	The Chemokine Receptor CXCR3 Promotes CD8+ T Cell Accumulation in Uninfected Salivary Glands but Is Not Necessary after Murine Cytomegalovirus Infection. <i>Journal of Immunology</i> , 2018, 200, 1133-1145.	0.4	28
3023	Comparative transcriptome analysis of two citrus germplasms with contrasting susceptibility to <i>Phytophthora nicotianae</i> provides new insights into tolerance mechanisms. <i>Plant Cell Reports</i> , 2018, 37, 483-499.	2.8	8
3024	Changes in mouse gut bacterial community in response to different types of drinking water. <i>Water Research</i> , 2018, 132, 79-89.	5.3	47
3025	Exploring the Interaction Between eIF2 $\beta$ Dysregulation, Acute Endoplasmic Reticulum Stress and DYT1 Dystonia in the Mammalian Brain. <i>Neuroscience</i> , 2018, 371, 455-468.	1.1	32
3026	High capacity of the endoplasmic reticulum to prevent secretion and aggregation of amyloidogenic proteins. <i>EMBO Journal</i> , 2018, 37, 337-350.	3.5	29
3027	Functional Redundancy of Variant and Canonical Histone H3 Lysine 9 Modification in <i>Drosophila</i> . <i>Genetics</i> , 2018, 208, 229-244.	1.2	21
3028	Consistent effects of biodiversity loss on multifunctionality across contrasting ecosystems. <i>Nature Ecology and Evolution</i> , 2018, 2, 269-278.	3.4	136
3029	An interplay between plasticity and parental phenotype determines impacts of ocean acidification on a reef fish. <i>Nature Ecology and Evolution</i> , 2018, 2, 334-342.	3.4	75
3030	A molecular roadmap for the emergence of early-embryonic-like cells in culture. <i>Nature Genetics</i> , 2018, 50, 106-119.	9.4	144
3031	Stress-responsive regulation of long non-coding RNA polyadenylation in <i>Oryza sativa</i> . <i>Plant Journal</i> , 2018, 93, 814-827.	2.8	86
3032	A 29-gene and cytogenetic score for the prediction of resistance to induction treatment in acute myeloid leukemia. <i>Haematologica</i> , 2018, 103, 456-465.	1.7	84
3033	Comparative analysis of high butanol tolerance and production in clostridia. <i>Biotechnology Advances</i> , 2018, 36, 721-738.	6.0	46

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3034	Differential effects of chronic stress in young-adult and old female mice: cognitive-behavioral manifestations and neurobiological correlates. <i>Molecular Psychiatry</i> , 2018, 23, 1432-1445.	4.1	28
3035	Valproic acid induces prosurvival transcriptomic changes in swine subjected to traumatic injury and hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 84, 642-649.	1.1	26
3036	<scp>ARA</scp>1 regulates not only <scp>l</scp>â€arabinose but also <scp>d</scp>â€galactose catabolism in <i>Trichoderma reesei</i>. <i>FEBS Letters</i> , 2018, 592, 60-70.	1.3	37
3037	Transcriptomic Insights into Phenological Development and Cold Tolerance of Wheat Grown in the Field. <i>Plant Physiology</i> , 2018, 176, 2376-2394.	2.3	55
3038	Transcriptome characterization of male accessory glands in ants to identify molecules involved in their reproductive success. <i>Insect Molecular Biology</i> , 2018, 27, 212-220.	1.0	12
3039	Identification of miR-29b targets using 3-cyanovinylcarbazole containing mimics. <i>Rna</i> , 2018, 24, 597-608.	1.6	5
3040	Symposium review: Mining metagenomic and metatranscriptomic data for clues about microbial metabolic functions in ruminants. <i>Journal of Dairy Science</i> , 2018, 101, 5605-5618.	1.4	24
3041	Primed primary metabolism in systemic leaves: a functional systems analysis. <i>Scientific Reports</i> , 2018, 8, 216.	1.6	64
3042	Increased Abundance of Clostridium and Fusobacterium in Gastric Microbiota of Patients with Gastric Cancer in Taiwan. <i>Scientific Reports</i> , 2018, 8, 158.	1.6	206
3043	KrÃ¼ppel-like Factor 5, Increased in Pancreatic Ductal Adenocarcinoma, Promotes Proliferation, Acinar-to-Ductal Metaplasia, Pancreatic Intraepithelial Neoplasia, and Tumor Growth in Mice. <i>Gastroenterology</i> , 2018, 154, 1494-1508.e13.	0.6	61
3044	Transcriptomic profiling of interacting nasal staphylococci species reveals global changes in gene and non-coding RNA expression. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	11
3045	Hybrid-denovo: a de novo OTU-picking pipeline integrating single-end and paired-end 16S sequence tags. <i>GigaScience</i> , 2018, 7, 1-7.	3.3	21
3046	<i>ZmCOL3</i>, a CCT gene represses flowering in maize by interfering with the circadian clock and activating expression of <i>ZmCCT</i>. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 465-480.	4.1	43
3047	Human Placental Syncytiotrophoblasts Restrict <i>Toxoplasma gondii</i> Attachment and Replication and Respond to Infection by Producing Immunomodulatory Chemokines. <i>MBio</i> , 2018, 9, .	1.8	54
3048	Abdominal Vagal Afferents Modulate the Brain Transcriptome and Behaviors Relevant to Schizophrenia. <i>Journal of Neuroscience</i> , 2018, 38, 1634-1647.	1.7	28
3049	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. <i>Cell Discovery</i> , 2018, 4, 2.	3.1	49
3050	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. <i>Nature Communications</i> , 2018, 9, 175.	5.8	248
3051	NF-ÎB inducing kinase is a therapeutic target for systemic lupus erythematosus. <i>Nature Communications</i> , 2018, 9, 179.	5.8	98

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3052	Structural and functional adaptation of <i>Haloferax volcanii</i> TFE <sup>±</sup> /I <sup>2</sup> . <i>Nucleic Acids Research</i> , 2018, 46, 2308-2320.	6.5	7
3053	Co-Emergence of Specialized Endothelial Cells from Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2018, 27, 326-335.	1.1	8
3055	Impact of genetic risk loci for multiple sclerosis on expression of proximal genes in patients. <i>Human Molecular Genetics</i> , 2018, 27, 912-928.	1.4	41
3056	Location, Root Proximity, and Glyphosate-Use History Modulate the Effects of Glyphosate on Fungal Community Networks of Wheat. <i>Microbial Ecology</i> , 2018, 76, 240-257.	1.4	27
3057	SeqBox: RNAseq/ChIPseq reproducible analysis on a consumer game computer. <i>Bioinformatics</i> , 2018, 34, 871-872.	1.8	26
3058	Dynamic reorganization of open chromatin underlies diverse transcriptomes during spermatogenesis. <i>Nucleic Acids Research</i> , 2018, 46, 593-608.	6.5	100
3059	Whole transcriptome analysis reveals potential novel mechanisms of low-level linezolid resistance in <i>Enterococcus faecalis</i> . <i>Gene</i> , 2018, 647, 143-149.	1.0	22
3060	Transitory presence of myeloid-derived suppressor cells in neonates is critical for control of inflammation. <i>Nature Medicine</i> , 2018, 24, 224-231.	15.2	150
3061	Transcription factors orchestrate dynamic interplay between genome topology and gene regulation during cell reprogramming. <i>Nature Genetics</i> , 2018, 50, 238-249.	9.4	295
3062	Transcriptome profiling during mangrove viviparity in response to abscisic acid. <i>Scientific Reports</i> , 2018, 8, 770.	1.6	48
3063	Perturbation-response genes reveal signaling footprints in cancer gene expression. <i>Nature Communications</i> , 2018, 9, 20.	5.8	436
3064	A New Standard for Crustacean Genomes: The Highly Contiguous, Annotated Genome Assembly of the Clam Shrimp <i>Eulimnadia texana</i> Reveals HOX Gene Order and Identifies the Sex Chromosome. <i>Genome Biology and Evolution</i> , 2018, 10, 143-156.	1.1	33
3065	NRF2 regulates endothelial glycolysis and proliferation with miR-93 and mediates the effects of oxidized phospholipids on endothelial activation. <i>Nucleic Acids Research</i> , 2018, 46, 1124-1138.	6.5	55
3066	The planarian TCF/LEF factor <i>Smed-tcf1</i> is required for the regeneration of dorsal-lateral neuronal subtypes. <i>Developmental Biology</i> , 2018, 433, 374-383.	0.9	20
3067	Defining murine organogenesis at single-cell resolution reveals a role for the leukotriene pathway in regulating blood progenitor formation. <i>Nature Cell Biology</i> , 2018, 20, 127-134.	4.6	112
3068	Glucose-Induced Trophic Shift in an Endosymbiont Dinoflagellate with Physiological and Molecular Consequences. <i>Plant Physiology</i> , 2018, 176, 1793-1807.	2.3	32
3069	How to make a tumour: cell type specific dissection of <i>Ustilago maydis</i> induced tumour development in maize leaves. <i>New Phytologist</i> , 2018, 217, 1681-1695.	3.5	55
3070	Injectable antimicrobials in commercial feedlot cattle and their effect on the nasopharyngeal microbiota and antimicrobial resistance. <i>Veterinary Microbiology</i> , 2018, 214, 140-147.	0.8	47

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3072	Disturbance reduces the differentiation of mycorrhizal fungal communities in grasslands along a precipitation gradient. Ecological Applications, 2018, 28, 736-748.	1.8	45
3073	Human-Specific Adaptations in Vpu Conferring Anti-tetherin Activity Are Critical for Efficient Early HIV-1 Replication InAVivo. Cell Host and Microbe, 2018, 23, 110-120.e7.	5.1	43
3074	Integrative genomic and transcriptomic analysis of leiomyosarcoma. Nature Communications, 2018, 9, 144.	5.8	197
3075	High content image analysis reveals function of miR-124 upstream of Vimentin in regulating motor neuron mitochondria. Scientific Reports, 2018, 8, 59.	1.6	30
3076	Selecting between-sample RNA-Seq normalization methods from the perspective of their assumptions. Briefings in Bioinformatics, 2018, 19, 776-792.	3.2	221
3077	Expression Atlas: gene and protein expression across multiple studies and organisms. Nucleic Acids Research, 2018, 46, D246-D251.	6.5	365
3078	The Rim Pathway Mediates Antifungal Tolerance in Candida albicans through Newly Identified Rim101 Transcriptional Targets, Including Hsp90 and Ipt1. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	39
3079	Association of Oral Microbiome With Risk for Incident Head and Neck Squamous Cell Cancer. JAMA Oncology, 2018, 4, 358.	3.4	218
3080	Comparative transcriptomic analysis of Cerrena unicolor revealed differential expression of genes engaged in degradation of various kinds of wood. Microbiological Research, 2018, 207, 256-268.	2.5	18
3081	Impact of cycling cells and cell cycle regulation on Hydra regeneration. Developmental Biology, 2018, 433, 240-253.	0.9	28
3082	CRNET: an efficient sampling approach to infer functional regulatory networks by integrating large-scale ChIP-seq and time-course RNA-seq data. Bioinformatics, 2018, 34, 1733-1740.	1.8	20
3083	Antiviral Response in the Nasopharynx Identifies Patients With Respiratory Virus Infection. Journal of Infectious Diseases, 2018, 217, 897-905.	1.9	63
3084	Female Mimicry by Sneaker Males Has a Transcriptomic Signature in Both the Brain and the Gonad in a Sex-Changing Fish. Molecular Biology and Evolution, 2018, 35, 225-241.	3.5	29
3085	Adaptation to high zinc depends on distinct mechanisms in metalicolous populations of <i>Arabidopsis halleri</i> . New Phytologist, 2018, 218, 269-282.	3.5	90
3086	Analysis of transcriptional activity by the Myt1 and Myt1l transcription factors. Journal of Cellular Biochemistry, 2018, 119, 4644-4655.	1.2	23
3087	Characterizing ZC3H18, a Multi-domain Protein at the Interface of RNA Production and Destruction Decisions. Cell Reports, 2018, 22, 44-58.	2.9	33
3088	Differential regulation of the transcriptomic and secretomic landscape of sensor and effector functions of human airway epithelial cells. Mucosal Immunology, 2018, 11, 627-642.	2.7	17

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3089	MicroRNAs from the parasitic plant <i>Cuscuta campestris</i> target host messenger RNAs. <i>Nature</i> , 2018, 553, 82-85.	13.7	303
3090	Sooty mangabey genome sequence provides insight into AIDS resistance in a natural SIV host. <i>Nature</i> , 2018, 553, 77-81.	13.7	81
3091	Targeting immune checkpoints potentiates immunoediting and changes the dynamics of tumor evolution. <i>Nature Communications</i> , 2018, 9, 32.	5.8	193
3092	Identification and chemical characterization of N-acyl-homoserine lactone quorum sensing signals across sponge species and time. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	13
3093	Contrasting cadmium resistance strategies in two metallicolous populations of <i>Arabidopsis halleri</i> . <i>New Phytologist</i> , 2018, 218, 283-297.	3.5	88
3094	Discovery of Next-Generation Antimicrobials through Bacterial Self-Screening of Surface-Displayed Peptide Libraries. <i>Cell</i> , 2018, 172, 618-628.e13.	13.5	122
3095	The Dynamic Landscape of Open Chromatin during Human Cortical Neurogenesis. <i>Cell</i> , 2018, 172, 289-304.e18.	13.5	281
3096	Although Abundant in Tumor Tissue, Mast Cells Have No Effect on Immunological Micro-milieu or Growth of HPV-Induced or Transplanted Tumors. <i>Cell Reports</i> , 2018, 22, 27-35.	2.9	17
3097	Strigolactones cross the kingdoms: plants, fungi, and bacteria in the arbuscular mycorrhizal symbiosis. <i>Journal of Experimental Botany</i> , 2018, 69, 2175-2188.	2.4	115
3098	Astrocyte-specific transcriptome responses to chronic ethanol consumption. <i>Pharmacogenomics Journal</i> , 2018, 18, 578-589.	0.9	35
3099	DaMiRseq: an R/Bioconductor package for data mining of RNA-Seq data: normalization, feature selection and classification. <i>Bioinformatics</i> , 2018, 34, 1416-1418.	1.8	53
3100	A major chromatin regulator determines resistance of tumor cells to T cell-mediated killing. <i>Science</i> , 2018, 359, 770-775.	6.0	641
3101	Inhibition of histone H3K27 demethylases selectively modulates inflammatory phenotypes of natural killer cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 2422-2437.	1.6	72
3102	Type I interferons instigate fetal demise after Zika virus infection. <i>Science Immunology</i> , 2018, 3, .	5.6	212
3103	MicroRNA-focused CRISPR-Cas9 library screen reveals fitness-associated miRNAs. <i>Rna</i> , 2018, 24, 966-981.	1.6	58
3104	Dopamine Triggers CTCF-Dependent Morphological and Genomic Remodeling of Astrocytes. <i>Journal of Neuroscience</i> , 2018, 38, 4846-4858.	1.7	29
3105	Nutrient dynamics and stream order influence microbial community patterns along a 2914 kilometer transect of the Mississippi River. <i>Limnology and Oceanography</i> , 2018, 63, 1837-1855.	1.6	48
3106	A Lignin Molecular Brace Controls Precision Processing of Cell Walls Critical for Surface Integrity in <i>Arabidopsis</i> . <i>Cell</i> , 2018, 173, 1468-1480.e9.	13.5	109

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3108	PRC1 Fine-tunes Gene Repression and Activation to Safeguard Skin Development and Stem Cell Specification. <i>Cell Stem Cell</i> , 2018, 22, 726-739.e7.	5.2	106
3109	IL-21 drives expansion and plasma cell differentiation of autoreactive CD11c <sup>hi</sup> T-bet <sup>+</sup> B cells in SLE. <i>Nature Communications</i> , 2018, 9, 1758.	5.8	392
3110	Transcriptional Profiling of Somatostatin Interneurons in the Spinal Dorsal Horn. <i>Scientific Reports</i> , 2018, 8, 6809.	1.6	48
3111	Activation of $\lambda$ 20-dependent recombination and horizontal gene transfer in <i>Mycoplasma genitalium</i> . <i>DNA Research</i> , 2018, 25, 383-393.	1.5	29
3112	The Effect of Vitamin D on Intestinal Inflammation and Faecal Microbiota in Patients with Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2018, 12, 963-972.	0.6	78
3113	Gut microbiota utilize immunoglobulin A for mucosal colonization. <i>Science</i> , 2018, 360, 795-800.	6.0	447
3114	Dal81 Regulates Expression of Arginine Metabolism Genes in <i>Candida parapsilosis</i> . <i>MSphere</i> , 2018, 3, .	1.3	11
3115	Studying microbial functionality within the gut ecosystem by systems biology. <i>Genes and Nutrition</i> , 2018, 13, 5.	1.2	31
3116	Silhouette Scores for Arbitrary Defined Groups in Gene Expression Data and Insights into Differential Expression Results. <i>Biological Procedures Online</i> , 2018, 20, 5.	1.4	27
3117	An interpretable framework for clustering single-cell RNA-Seq datasets. <i>BMC Bioinformatics</i> , 2018, 19, 93.	1.2	49
3118	IntEREst: intron-exon retention estimator. <i>BMC Bioinformatics</i> , 2018, 19, 130.	1.2	21
3119	Approximate inference of gene regulatory network models from RNA-Seq time series data. <i>BMC Bioinformatics</i> , 2018, 19, 127.	1.2	16
3120	Integrative analysis and machine learning on cancer genomics data using the Cancer Systems Biology Database (CancerSysDB). <i>BMC Bioinformatics</i> , 2018, 19, 156.	1.2	26
3121	Dynamic transcriptome landscape of Asian domestic honeybee ( <i>Apis cerana</i> ) embryonic development revealed by high-quality RNA sequencing. <i>BMC Developmental Biology</i> , 2018, 18, 11.	2.1	23
3122	Global analysis of primary mesenchyme cell cis-regulatory modules by chromatin accessibility profiling. <i>BMC Genomics</i> , 2018, 19, 206.	1.2	34
3123	Cross-site comparison of ribosomal depletion kits for Illumina RNAseq library construction. <i>BMC Genomics</i> , 2018, 19, 199.	1.2	43
3124	Paramutation-like features of multiple natural epialleles in tomato. <i>BMC Genomics</i> , 2018, 19, 203.	1.2	17

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3126	A highly adaptive microbiome-based association test for survival traits. <i>BMC Genomics</i> , 2018, 19, 210.	1.2	34
3127	Gene co-expression networks in liver and muscle transcriptome reveal sex-specific gene expression in lambs fed with a mix of essential oils. <i>BMC Genomics</i> , 2018, 19, 236.	1.2	19
3128	Analysis of human ES cell differentiation establishes that the dominant isoforms of the lncRNAs RMST and FIRRE are circular. <i>BMC Genomics</i> , 2018, 19, 276.	1.2	43
3129	Transcriptome profiling of the honeybee parasite <i>Varroa destructor</i> provides new biological insights into the mite adult life cycle. <i>BMC Genomics</i> , 2018, 19, 328.	1.2	33
3130	Diapause in a tropical oil-collecting bee: molecular basis unveiled by RNA-Seq. <i>BMC Genomics</i> , 2018, 19, 305.	1.2	39
3131	Comparative analysis of alfalfa ( <i>Medicago sativa</i> L.) leaf transcriptomes reveals genotype-specific salt tolerance mechanisms. <i>BMC Plant Biology</i> , 2018, 18, 35.	1.6	93
3132	Comprehensive genomic analysis identifies pathogenic variants in maturity-onset diabetes of the young (MODY) patients in South India. <i>BMC Medical Genetics</i> , 2018, 19, 22.	2.1	71
3133	Epigenetic impacts of stress priming of the neuroinflammatory response to sarin surrogate in mice: a model of Gulf War illness. <i>Journal of Neuroinflammation</i> , 2018, 15, 86.	3.1	47
3134	Observation weights unlock bulk RNA-seq tools for zero inflation and single-cell applications. <i>Genome Biology</i> , 2018, 19, 24.	3.8	180
3135	Gene-level differential analysis at transcript-level resolution. <i>Genome Biology</i> , 2018, 19, 53.	3.8	108
3136	<i>Clostridium thermocellum</i> LL1210 pH homeostasis mechanisms informed by transcriptomics and metabolomics. <i>Biotechnology for Biofuels</i> , 2018, 11, 98.	6.2	16
3137	Overexpression of UHRF1 promotes silencing of tumor suppressor genes and predicts outcome in hepatoblastoma. <i>Clinical Epigenetics</i> , 2018, 10, 27.	1.8	38
3138	MetaLonDA: a flexible R package for identifying time intervals of differentially abundant features in metagenomic longitudinal studies. <i>Microbiome</i> , 2018, 6, 32.	4.9	45
3139	Microbiome and ecotypic adaption of <i>Holcus lanatus</i> (L.) to extremes of its soil pH range, investigated through transcriptome sequencing. <i>Microbiome</i> , 2018, 6, 48.	4.9	29
3140	Reproducible protocols for metagenomic analysis of human faecal phageomes. <i>Microbiome</i> , 2018, 6, 68.	4.9	162
3141	Drinking alcohol is associated with variation in the human oral microbiome in a large study of American adults. <i>Microbiome</i> , 2018, 6, 59.	4.9	172
3142	RNA-Seq analysis of global transcriptomic changes suggests a roles for the MAPK pathway and carbon metabolism in cell wall maintenance in a <i>Saccharomyces cerevisiae</i> FKS1 mutant. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 603-608.	1.0	10

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3144	PSMD5 Inactivation Promotes 26S Proteasome Assembly during Colorectal Tumor Progression. <i>Cancer Research</i> , 2018, 78, 3458-3468.	0.4	30
3145	A multi-omics approach reveals function of Secretory Carrier-Associated Membrane Proteins in wood formation of <i>Populus</i> trees. <i>BMC Genomics</i> , 2018, 19, 11.	1.2	25
3146	The deregulated microRNAome contributes to the cellular response to aneuploidy. <i>BMC Genomics</i> , 2018, 19, 197.	1.2	13
3147	Comparison of normalization methods for the analysis of metagenomic gene abundance data. <i>BMC Genomics</i> , 2018, 19, 274.	1.2	125
3148	Identification of cold stress responsive microRNAs in two winter turnip rape ( <i>Brassica rapa</i> L.) by high throughput sequencing. <i>BMC Plant Biology</i> , 2018, 18, 52.	1.6	90
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3152	Transcription factors <i>Tp73</i> , <i>Cebpd</i> , <i>Pax6</i> , and <i>Spi1</i> rather than DNA methylation regulate chronic transcriptomics changes after experimental traumatic brain injury. <i>Acta Neuropathologica Communications</i> , 2018, 6, 17.	2.4	28
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3157	Parallel factor ChIP provides essential internal control for quantitative differential ChIP-seq. <i>Nucleic Acids Research</i> , 2018, 46, e75-e75.	6.5	21
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3177	RNA-guided transcriptional silencing in vivo with <i>S. aureus</i> CRISPR-Cas9 repressors. <i>Nature Communications</i> , 2018, 9, 1674.	5.8	123
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3299	<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
3300	Below-ground processes control the success of an invasive seaweed. <i>Journal of Ecology</i> , 2018, 106, 2082-2095.	1.9	20
3301	TSLP signaling in CD4 <sup>+</sup> T cells programs a pathogenic T helper 2 cell state. <i>Science Signaling</i> , 2018, 11, .	1.6	72
3302	Two Phytoplasmas Elicit Different Responses in the Insect Vector <i>Euscelidius variegatus</i> Kirschbaum. <i>Infection and Immunity</i> , 2018, 86, .	1.0	27
3303	Condition-dependent co-regulation of genomic clusters of virulence factors in the grapevine trunk pathogen <i>Neofusicoccum parvum</i> . <i>Molecular Plant Pathology</i> , 2018, 19, 21-34.	2.0	55
3304	Selective expression of long non-coding RNAs in a breast cancer cell progression model. <i>Journal of Cellular Physiology</i> , 2018, 233, 1291-1299.	2.0	22



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3306	Intranuclear and higher-order chromatin organization of the major histone gene cluster in breast cancer. <i>Journal of Cellular Physiology</i> , 2018, 233, 1278-1290.	2.0	40
3307	The microbiome regulates amygdala-dependent fear recall. <i>Molecular Psychiatry</i> , 2018, 23, 1134-1144.	4.1	146
3308	Inflammatory phenotypes in patients with severe asthma are associated with distinct airway microbiology. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 94-103.e15.	1.5	233
3309	Transcriptome analysis of root-knot nematode ( <i>Meloidogyne incognita</i> )-infected tomato ( <i>Solanum lycopersicum</i> ) roots reveals complex gene expression profiles and metabolic networks of both host and nematode during susceptible and resistance responses. <i>Molecular Plant Pathology</i> , 2018, 19, 615-633.	2.0	127
3310	A randomized trial to determine the impact of a digestion resistant starch composition on the gut microbiome in older and mid-age adults. <i>Clinical Nutrition</i> , 2018, 37, 797-807.	2.3	110
3311	Power and sample size calculations for high-throughput sequencing-based experiments. <i>Briefings in Bioinformatics</i> , 2018, 19, 1247-1255.	3.2	32
3312	A prospective microbiome-wide association study of food sensitization and food allergy in early childhood. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 145-152.	2.7	163
3313	Isotretinoin and lymecycline treatments modify the skin microbiota in acne. <i>Experimental Dermatology</i> , 2018, 27, 30-36.	1.4	48
3314	RESISTANCE TO POWDERY MILDEW 8.1 boosts pattern-triggered immunity against multiple pathogens in <i>Arabidopsis</i> and rice. <i>Plant Biotechnology Journal</i> , 2018, 16, 428-441.	4.1	39
3315	Establishment of Photosynthesis through Chloroplast Development Is Controlled by Two Distinct Regulatory Phases. <i>Plant Physiology</i> , 2018, 176, 1199-1214.	2.3	49
3316	Intestinal microbiota in patients with chronic hepatitis C with and without cirrhosis compared with healthy controls. <i>Liver International</i> , 2018, 38, 50-58.	1.9	72
3317	Seasonal Stability in the Microbiomes of Temperate Gorgonians and the Red Coral <i>Corallium rubrum</i> Across the Mediterranean Sea. <i>Microbial Ecology</i> , 2018, 75, 274-288.	1.4	69
3318	Comparative analysis of fruit volatiles and related gene expression between the wild strawberry <i>Fragaria pentaphylla</i> and cultivated <i>Fragaria</i> — <i>Ananassa</i> . <i>European Food Research and Technology</i> , 2018, 244, 57-72.	1.6	20
3319	Early transcriptional response pathways in <i>Daphnia magna</i> are coordinated in networks of crustacean-specific genes. <i>Molecular Ecology</i> , 2018, 27, 886-897.	2.0	38
3320	Influence of Host Plant on <i>Thaumetopoea pityocampa</i> Gut Bacterial Community. <i>Microbial Ecology</i> , 2018, 75, 487-494.	1.4	45
3321	Metformin Alters Upper Small Intestinal Microbiota that Impact a Glucose-SGLT1-Sensing Glucoregulatory Pathway. <i>Cell Metabolism</i> , 2018, 27, 101-117.e5.	7.2	187
3322	Interactive Visualization of Hierarchically Structured Data. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 553-563.	0.9	11

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3324	The reduced osteogenic potential of Nf1-deficient osteoprogenitors is EGFR-independent. <i>Bone</i> , 2018, 106, 103-111.	1.4	15
3325	An omnibus test for differential distribution analysis of microbiome sequencing data. <i>Bioinformatics</i> , 2018, 34, 643-651.	1.8	69
3326	RNA sequencing and analysis of three <i>Lupinus nodulosus</i> provide new insights into specific host-symbiont relationships with compatible and incompatible <i>Bradyrhizobium</i> strains. <i>Plant Science</i> , 2018, 266, 102-116.	1.7	8
3327	Successive evolutionary steps drove Pooidae grasses from tropical to temperate regions. <i>New Phytologist</i> , 2018, 217, 925-938.	3.5	27
3328	Comparative Transcriptomics Reveals How Wheat Responds to Infection by <i>Zymoseptoria tritici</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 420-431.	1.4	37
3329	Genomic and Transcriptomic Analysis of <i>Escherichia coli</i> Strains Associated with Persistent and Transient Bovine Mastitis and the Role of Colanic Acid. <i>Infection and Immunity</i> , 2018, 86, .	1.0	28
3330	Detecting hidden batch factors through data-adaptive adjustment for biological effects. <i>Bioinformatics</i> , 2018, 34, 1141-1147.	1.8	14
3331	Gut microbiome in gestational diabetes: a cross-sectional study of mothers and offspring 5 years postpartum. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2018, 97, 38-46.	1.3	51
3332	Supplementation of pancreatic digestive enzymes alters the composition of intestinal microbiota in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 273-279.	1.0	43
3333	Biodegradation of dispersed oil in seawater is not inhibited by a commercial oil spill dispersant. <i>Marine Pollution Bulletin</i> , 2018, 129, 555-561.	2.3	59
3334	Integrated Proteomic and Transcriptomic Analysis Reveals Long Noncoding RNA HOX Transcript Antisense Intergenic RNA (HOTAIR) Promotes Hepatocellular Carcinoma Cell Proliferation by Regulating Opioid Growth Factor Receptor (OGFr). <i>Molecular and Cellular Proteomics</i> , 2018, 17, 146-159.	2.5	33
3335	Dynamic assessment of microbial ecology (DAME): a web app for interactive analysis and visualization of microbial sequencing data. <i>Bioinformatics</i> , 2018, 34, 1050-1052.	1.8	16
3336	Role of the IL-12/IL-35 balance in patients with Sjögren syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 258-268.e5.	1.5	34
3337	Immunomodulatory liposomes targeting liver macrophages arrest progression of nonalcoholic steatohepatitis. <i>Metabolism: Clinical and Experimental</i> , 2018, 78, 80-94.	1.5	30
3338	Wastewater treatment plant effluent introduces recoverable shifts in microbial community composition in receiving streams. <i>Science of the Total Environment</i> , 2018, 613-614, 1104-1116.	3.9	67
3339	TDP-43 regulates cancer-associated microRNAs. <i>Protein and Cell</i> , 2018, 9, 848-866.	4.8	35
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3342	Application of stable isotope labelling techniques for the detection of active diazotrophs. <i>Environmental Microbiology</i> , 2018, 20, 44-61.	1.8	44
3343	Analysis of ChIP-seq Data in R/Bioconductor. <i>Methods in Molecular Biology</i> , 2018, 1689, 195-226.	0.4	8
3344	Homoeologous exchanges cause extensive dosage-dependent gene expression changes in an allopolyploid crop. <i>New Phytologist</i> , 2018, 217, 367-377.	3.5	87
3345	Arbuscular mycorrhizal fungi promote coexistence and niche divergence of sympatric palm species on a remote oceanic island. <i>New Phytologist</i> , 2018, 217, 1254-1266.	3.5	36
3346	Gene expression signatures after ethanol exposure in differentiating embryoid bodies. <i>Toxicology in Vitro</i> , 2018, 46, 66-76.	1.1	1
3347	Transmission of a common intestinal neoplasm in zebrafish by cohabitation. <i>Journal of Fish Diseases</i> , 2018, 41, 569-579.	0.9	24
3348	Root transcriptional dynamics induced by beneficial rhizobacteria and microbial immune elicitors reveal signatures of adaptation to mutualists. <i>Plant Journal</i> , 2018, 93, 166-180.	2.8	191
3349	IL-12 and IL-15 induce the expression of CXCR6 and CD49a on peripheral natural killer cells. <i>Immunity, Inflammation and Disease</i> , 2018, 6, 34-46.	1.3	66
3350	Serially measured circulating microRNAs and adverse clinical outcomes in patients with acute heart failure. <i>European Journal of Heart Failure</i> , 2018, 20, 89-96.	2.9	48
3351	Development of a general defined medium for <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2018, 115, 103-113.	1.7	61
3352	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 225-234.	2.5	59
3353	Altered miR-193a-5p expression in children with cow's milk allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 379-386.	2.7	27
3354	The nasal and gut microbiome in Parkinson's disease and idiopathic rapid eye movement sleep behavior disorder. <i>Movement Disorders</i> , 2018, 33, 88-98.	2.2	428
3355	Contact with turf algae alters the coral microbiome: contact versus systemic impacts. <i>Coral Reefs</i> , 2018, 37, 1-13.	0.9	47
3356	Succinate Transport Is Not Essential for Symbiotic Nitrogen Fixation by <i>Sinorhizobium meliloti</i> or <i>Rhizobium leguminosarum</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	24
3357	Transcriptional Response of Respiratory Epithelium to Nontuberculous Mycobacteria. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 241-252.	1.4	37
3358	Alterations of microRNAs throughout the malignant evolution of cutaneous squamous cell carcinoma: the role of miR-497 in epithelial to mesenchymal transition of keratinocytes. <i>Oncogene</i> , 2018, 37, 218-230.	2.6	43

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3360	Multiple Nodulation Genes Are Up-Regulated During Establishment of Reniform Nematode Feeding Sites in Soybean. <i>Phytopathology</i> , 2018, 108, 275-291.	1.1	8
3361	JQ1 reduces Epstein-Barr virus-associated lymphoproliferative disease in mice without sustained oncogene repression. <i>Leukemia and Lymphoma</i> , 2018, 59, 1248-1251.	0.6	3
3362	Soil Microbiomes Associated with Verticillium Wilt-Suppressive Broccoli and Chitin Amendments are Enriched with Potential Biocontrol Agents. <i>Phytopathology</i> , 2018, 108, 31-43.	1.1	71
3363	ETS transcription factor family member GABPA contributes to vitamin D receptor target gene regulation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 46-52.	1.2	26
3364	Circular RNA profiling reveals chi_circ_0008219 function as microRNA sponges in pre-ovulatory ovarian follicles of goats ( <i>Capra hircus</i> ). <i>Genomics</i> , 2018, 110, 257-266.	1.3	42
3365	DNA Methylation and Transcription Patterns in Intestinal Epithelial Cells From Pediatric Patients With Inflammatory Bowel Diseases Differentiate Disease Subtypes and Associate With Outcome. <i>Gastroenterology</i> , 2018, 154, 585-598.	0.6	226
3366	Analysis of ORP2 knockout hepatocytes uncovers a novel function in actin cytoskeletal regulation. <i>FASEB Journal</i> , 2018, 32, 1281-1295.	0.2	27
3367	VMG II transport medium stabilises oral microbiome samples for Next-Generation Sequencing. <i>Journal of Microbiological Methods</i> , 2018, 144, 91-98.	0.7	5
3368	Comparative analysis of gut bacterial communities of green turtles ( <i>Chelonia mydas</i> ) pre-hospitalization and post-rehabilitation by high-throughput sequencing of bacterial 16S rRNA gene. <i>Microbiological Research</i> , 2018, 207, 91-99.	2.5	45
3369	The arginine metabolome in acute lymphoblastic leukemia can be targeted by the pegylated recombinant arginase I BCT100. <i>International Journal of Cancer</i> , 2018, 142, 1490-1502.	2.3	45
3370	Fibroblast growth factor 2 regulates activity and gene expression of human postmitotic excitatory neurons. <i>Journal of Neurochemistry</i> , 2018, 145, 188-203.	2.1	18
3371	Transcriptome profiling of sorted endoreduplicated nuclei from tomato fruits: how the global shift in expression ascribed to DNA ploidy influences RNA-seq data normalization and interpretation. <i>Plant Journal</i> , 2018, 93, 387-398.	2.8	39
3372	High-throughput sequencing of the chloroplast and mitochondrion of <i>Chlamydomonas reinhardtii</i> to generate improved <i>de novo</i> assemblies, analyze expression patterns and transcript speciation, and evaluate diversity among laboratory strains and wild isolates. <i>Plant Journal</i> , 2018, 93, 545-565.	2.8	90
3373	Altered neuro-inflammatory gene expression in hippocampus in major depressive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 82, 177-186.	2.5	108
3374	Comparative transcriptome analysis reveals conserved branching morphogenesis related genes involved in chamber formation of catfish swimbladder. <i>Physiological Genomics</i> , 2018, 50, 67-76.	1.0	6
3375	Expression signatures of early-stage and advanced medaka melanomas. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 208, 20-28.	1.3	11
3376	New Mechanisms of Resistance to MEK Inhibitors in Melanoma Revealed by Intravital Imaging. <i>Cancer Research</i> , 2018, 78, 542-557.	0.4	57

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3378	Systemic response of the stony coral <i>Pocillopora damicornis</i> against acute cadmium stress. <i>Aquatic Toxicology</i> , 2018, 194, 132-139.	1.9	28
3379	Identification and Functional Characterization of Phosphorylation Sites of the Human Papillomavirus 31 E8 <sup>E2</sup> Protein. <i>Journal of Virology</i> , 2018, 92, .	1.5	11
3380	ER $\pm$ Binding by Transcription Factors NFIB and YBX1 Enables FGFR2 Signaling to Modulate Estrogen Responsiveness in Breast Cancer. <i>Cancer Research</i> , 2018, 78, 410-421.	0.4	55
3381	Sex-specific transcript expression in the hepatopancreas of the banana shrimp ( <i>Fenneropenaeus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.0	5
3382	CD8+ T cells are essential for the effects of enriched environment on hippocampus-dependent behavior, hippocampal neurogenesis and synaptic plasticity. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 235-254.	2.0	44
3383	Transcriptome Profiling of <i>Melaleuca quinquenervia</i> Challenged by Myrtle Rust Reveals Differences in Defense Responses Among Resistant Individuals. <i>Phytopathology</i> , 2018, 108, 495-509.	1.1	16
3384	Soldierâ€biased gene expression in a subterranean termite implies functional specialization of the defensive caste. <i>Evolution &amp; Development</i> , 2018, 20, 3-16.	1.1	14
3385	Characterization of a gene regulatory network underlying astringency loss in persimmon fruit. <i>Planta</i> , 2018, 247, 733-743.	1.6	18
3386	Population transcriptomics in <i>Daphnia</i> : The role of thermal selection. <i>Molecular Ecology</i> , 2018, 27, 387-402.	2.0	22
3387	The p300 and CBP Transcriptional Coactivators Are Required for $\beta$ -Cell and $\alpha$ -Cell Proliferation. <i>Diabetes</i> , 2018, 67, 412-422.	0.3	24
3388	RNA Sequencing and Analysis in Microorganisms for Metabolic Network Reconstruction. <i>Methods in Molecular Biology</i> , 2018, 1716, 239-265.	0.4	5
3389	Dominant-negative SMARCA4 mutants alter the accessibility landscape of tissue-unrestricted enhancers. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 61-72.	3.6	140
3390	SUPPRESSOR OF GAMMA RESPONSE1 Links DNA Damage Response to Organ Regeneration. <i>Plant Physiology</i> , 2018, 176, 1665-1675.	2.3	47
3391	RELN signaling modulates glioblastoma growth and substrateâ€dependent migration. <i>Brain Pathology</i> , 2018, 28, 695-709.	2.1	24
3392	Cell-Type Transcriptomes of the Multicellular Green Alga <i>Volvox carterii</i> Yield Insights into the Evolutionary Origins of Germ and Somatic Differentiation Programs. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 531-550.	0.8	29
3393	miR-204-5p and miR-211-5p Contribute to BRAF Inhibitor Resistance in Melanoma. <i>Cancer Research</i> , 2018, 78, 1017-1030.	0.4	140
3394	Toward Integrative Bayesian Analysis in Molecular Biology. <i>Annual Review of Statistics and Its Application</i> , 2018, 5, 141-167.	4.1	11

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3396	Global gene expression analysis of macrophage response induced by nonporous and porous silica nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 533-545.	1.7	26
3397	Genome-wide transcriptomics analysis identifies sox7 and sox18 as specifically regulated by gata4 in cardiomyogenesis. <i>Developmental Biology</i> , 2018, 434, 108-120.	0.9	15
3398	Effects of chondroitin sulfate proteoglycan 4 (NG2/CSPG4) on soft-tissue sarcoma growth depend on tumor developmental stage. <i>Journal of Biological Chemistry</i> , 2018, 293, 2466-2475.	1.6	16
3399	Genomic and Epigenomic Signatures in Ovarian Cancer Associated with Resensitization to Platinum Drugs. <i>Cancer Research</i> , 2018, 78, 631-644.	0.4	86
3400	Integrated Molecular Characterization of the Lethal Pediatric Cancer Pancreatoblastoma. <i>Cancer Research</i> , 2018, 78, 865-876.	0.4	25
3401	Miz1 Controls Schwann Cell Proliferation via H3K36 <sup>me2</sup> Demethylase Kdm8 to Prevent Peripheral Nerve Demyelination. <i>Journal of Neuroscience</i> , 2018, 38, 858-877.	1.7	18
3402	β2 Adrenergic-Neurotrophin Feedforward Loop Promotes Pancreatic Cancer. <i>Cancer Cell</i> , 2018, 33, 75-90.e7.	7.7	287
3403	Derivation of Human Trophoblast Stem Cells. <i>Cell Stem Cell</i> , 2018, 22, 50-63.e6.	5.2	570
3404	Redox-Sensing Under Hypochlorite Stress and Infection Conditions by the Rrf2-Family Repressor HypR in <i>Staphylococcus aureus</i> . <i>Antioxidants and Redox Signaling</i> , 2018, 29, 615-636.	2.5	51
3405	Metabolic characterization of anaerobic fungi provides a path forward for bioprocessing of crude lignocellulose. <i>Biotechnology and Bioengineering</i> , 2018, 115, 874-884.	1.7	57
3406	Dual Targeting of Oncogenic Activation and Inflammatory Signaling Increases Therapeutic Efficacy in Myeloproliferative Neoplasms. <i>Cancer Cell</i> , 2018, 33, 29-43.e7.	7.7	186
3407	Cdkn2a deficiency promotes adipose tissue browning. <i>Molecular Metabolism</i> , 2018, 8, 65-76.	3.0	35
3408	Associations between infant fungal and bacterial dysbiosis and childhood atopic wheeze in a nonindustrialized setting. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 424-434.e10.	1.5	181
3409	ApoplastP: prediction of effectors and plant proteins in the apoplast using machine learning. <i>New Phytologist</i> , 2018, 217, 1764-1778.	3.5	180
3410	Molecular classification of autofluorescence excision margins in oral potentially malignant disorders. <i>Oral Diseases</i> , 2018, 24, 732-740.	1.5	24
3411	Discovery of microRNAs associated with the antiviral immune response of Atlantic cod macrophages. <i>Molecular Immunology</i> , 2018, 93, 152-161.	1.0	64
3412	Comparative genomics reveals that loss of lunatic fringe ( <i>LFNG</i> ) promotes melanoma metastasis. <i>Molecular Oncology</i> , 2018, 12, 239-255.	2.1	20

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3413	Gene expression in response to glyphosate treatment in fleabane ( <i>Conyza</i> ) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 747 Td (bona Science, 2018, 74, 2346-2355.	1.7	14
3414	Using a Next-Generation Sequencing Approach to Profile MicroRNAs from Human Origin. <i>Methods in Molecular Biology</i> , 2018, 1710, 203-217.	0.4	2
3415	The NADPH oxidases NoxO1 and p47phox are both mediators of diabetes-induced vascular dysfunction in mice. <i>Redox Biology</i> , 2018, 15, 12-21.	3.9	40
3416	Shotgun Metagenomics and Volatilome Profile of the Microbiota of Fermented Sausages. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	84
3417	Pan-arthropod analysis reveals somatic piRNAs as an ancestral defence against transposable elements. <i>Nature Ecology and Evolution</i> , 2018, 2, 174-181.	3.4	214
3418	Transcriptome analysis of ovine granulosa cells reveals differences between small antral follicles collected during the follicular and luteal phases. <i>Theriogenology</i> , 2018, 108, 103-117.	0.9	16
3419	TET proteins safeguard bivalent promoters from de novo methylation in human embryonic stem cells. <i>Nature Genetics</i> , 2018, 50, 83-95.	9.4	156
3420	Diversification of human plasmacytoid dendritic cells in response to a single stimulus. <i>Nature Immunology</i> , 2018, 19, 63-75.	7.0	106
3421	Measuring the gut microbiome in birds: Comparison of faecal and cloacal sampling. <i>Molecular Ecology Resources</i> , 2018, 18, 424-434.	2.2	125
3422	A Living Biobank of Breast Cancer Organoids Captures Disease Heterogeneity. <i>Cell</i> , 2018, 172, 373-386.e10.	13.5	1,201
3423	Marine Natural Product Honaucin A Attenuates Inflammation by Activating the Nrf2-ARE Pathway. <i>Journal of Natural Products</i> , 2018, 81, 506-514.	1.5	25
3424	Enhanced protection of C57 BL/6 vs Balb/c mice to melanoma liver metastasis is mediated by NK cells. <i>Oncotarget</i> , 2018, 7, e1409929.	2.1	26
3425	Gut microbiota composition is associated with environmental landscape in honey bees. <i>Ecology and Evolution</i> , 2018, 8, 441-451.	0.8	106
3426	Substrate-based differential expression analysis reveals control of biomass degrading enzymes in <i>Pycnoporus cinnabarinus</i> . <i>Biochemical Engineering Journal</i> , 2018, 130, 83-89.	1.8	12
3427	Polygenic evolution drives species divergence and climate adaptation in corals. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 82-94.	1.1	61
3428	An acetyltable lysine controls CRP function in <i>E. coli</i> . <i>Molecular Microbiology</i> , 2018, 107, 116-131.	1.2	51
3429	Year-Round Shotgun Metagenomes Reveal Stable Microbial Communities in Agricultural Soils and Novel Ammonia Oxidizers Responding to Fertilization. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	121
3430	Genetic Variants in ERAP1 and ERAP2 Associated With Immune-Mediated Diseases Influence Protein Expression and the Isoform Profile. <i>Arthritis and Rheumatology</i> , 2018, 70, 255-265.	2.9	52

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3431	Active migration is associated with specific and consistent changes to gut microbiota in <i>Calidris</i> shorebirds. <i>Journal of Animal Ecology</i> , 2018, 87, 428-437.	1.3	73
3432	Soybean meal-induced enteritis in Atlantic salmon ( <i>Salmo salar</i> ) and Chinook salmon ( <i>Oncorhynchus</i> ) Tj ETQq1 1 0,784314,ggBT /Over	1.7	86
3433	Elucidating the impact of microbial community biodiversity on pharmaceutical biotransformation during wastewater treatment. <i>Microbial Biotechnology</i> , 2018, 11, 995-1007.	2.0	35
3434	Prominent alterations of wild barley leaf transcriptome in response to individual and combined drought acclimation and heat shock conditions. <i>Physiologia Plantarum</i> , 2018, 163, 18-29.	2.6	16
3435	A microRNA feedback loop regulates global microRNA abundance during aging. <i>Rna</i> , 2018, 24, 159-172.	1.6	37
3436	The DEAD-box RNA Helicase RH50 Is a 23S-4.5S rRNA Maturation Factor that Functionally Overlaps with the Plastid Signaling Factor GUN1. <i>Plant Physiology</i> , 2018, 176, 634-648.	2.3	49
3437	A Novel Mechanism of Inactivating Antibacterial Nitro Compounds in the Human Pathogen <i>Staphylococcus aureus</i> by Overexpression of a NADH-Dependent Flavin Nitroreductase. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	10
3438	Machine Learning-Based State-of-the-Art Methods for the Classification of RNA-Seq Data. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 133-172.	0.5	24
3439	Ectopic expression of Arabidopsis broad-spectrum resistance gene RPW8.2 improves the resistance to powdery mildew in grapevine ( <i>Vitis vinifera</i> ). <i>Plant Science</i> , 2018, 267, 20-31.	1.7	28
3440	Genomic structural variations lead to dysregulation of important coding and non-coding RNA species in dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2018, 10, 107-120.	3.3	43
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3594	Reevaluating the Salty Divide: Phylogenetic Specificity of Transitions between Marine and Freshwater Systems. <i>MSystems</i> , 2018, 3, .	1.7	37
3595	Expression quantitative trait loci in the developing human brain and their enrichment in neuropsychiatric disorders. <i>Genome Biology</i> , 2018, 19, 194.	3.8	126
3596	VIPER: variability-preserving imputation for accurate gene expression recovery in single-cell RNA sequencing studies. <i>Genome Biology</i> , 2018, 19, 196.	3.8	97
3597	Sensitive tumour detection and classification using plasma cell-free DNA methylomes. <i>Nature</i> , 2018, 563, 579-583.	13.7	624
3598	Commensal bacteria contribute to insulin resistance in aging by activating innate B1a cells. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	121
3599	The crowns have eyes: multiple opsins found in the eyes of the crown-of-thorns starfish <i>Acanthaster planci</i> . <i>BMC Evolutionary Biology</i> , 2018, 18, 168.	3.2	13
3600	Genome-wide transcriptome profiling and spatial expression analyses identify signals and switches of development in tapeworms. <i>EvoDevo</i> , 2018, 9, 21.	1.3	30
3601	Loss of the Chr16p11.2 ASD candidate gene QPRT leads to aberrant neuronal differentiation in the SH-SY5Y neuronal cell model. <i>Molecular Autism</i> , 2018, 9, 56.	2.6	27
3602	Food Perception Primes Hepatic ER Homeostasis via Melanocortin-Dependent Control of mTOR Activation. <i>Cell</i> , 2018, 175, 1321-1335.e20.	13.5	86
3603	Impact of Genetic Polymorphisms on Human Immune Cell Gene Expression. <i>Cell</i> , 2018, 175, 1701-1715.e16.	13.5	588
3604	Acetylation of Cytidine in mRNA Promotes Translation Efficiency. <i>Cell</i> , 2018, 175, 1872-1886.e24.	13.5	409
3605	Trisomy of a Down Syndrome Critical Region Globally Amplifies Transcription via HMGN1 Overexpression. <i>Cell Reports</i> , 2018, 25, 1898-1911.e5.	2.9	52
3606	Histone H3 lysine 4 methylation signature associated with human undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11264-E11273.	3.3	23
3607	Ms1 RNA increases the amount of RNA polymerase in <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 2019, 111, 354-372.	1.2	26
3608	LZTR1 is a regulator of RAS ubiquitination and signaling. <i>Science</i> , 2018, 362, 1171-1177.	6.0	142
3609	Empirical assessment of the impact of sample number and read depth on RNA-Seq analysis workflow performance. <i>BMC Bioinformatics</i> , 2018, 19, 423.	1.2	48
3610	Adenosinergic Signaling Alters Natural Killer Cell Functional Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2533.	2.2	79

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3611	Identification of Potential Key Genes Associated with Adipogenesis through Integrated Analysis of Five Mouse Transcriptome Datasets. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3557.	1.8	14
3612	Retinoic acid and BMP4 cooperate with p63 to alter chromatin dynamics during surface epithelial commitment. <i>Nature Genetics</i> , 2018, 50, 1658-1665.	9.4	47
3613	Tumor immunoevasion via acidosis-dependent induction of regulatory tumor-associated macrophages. <i>Nature Immunology</i> , 2018, 19, 1319-1329.	7.0	274
3614	Cancer cells exploit an orphan RNA to drive metastatic progression. <i>Nature Medicine</i> , 2018, 24, 1743-1751.	15.2	26
3615	Feature related multi-view nonnegative matrix factorization for identifying conserved functional modules in multiple biological networks. <i>BMC Bioinformatics</i> , 2018, 19, 394.	1.2	24
3616	Transcriptome analysis of <i>Xenopus</i> orofacial tissues deficient in retinoic acid receptor function. <i>BMC Genomics</i> , 2018, 19, 795.	1.2	8
3617	A global analysis of gene expression in <i>Fibrobacter succinogenes</i> S85 grown on cellulose and soluble sugars at different growth rates. <i>Biotechnology for Biofuels</i> , 2018, 11, 295.	6.2	15
3618	Fecal microbiota associated with phytohaemagglutinin-induced immune response in nestlings of a passerine bird. <i>Ecology and Evolution</i> , 2018, 8, 9793-9802.	0.8	10
3619	Barrier Properties and Transcriptome Expression in Human iPSC-Derived Models of the Blood-Brain Barrier. <i>Stem Cells</i> , 2018, 36, 1816-1827.	1.4	81
3620	SETDB1 Links the Meiotic DNA Damage Response to Sex Chromosome Silencing in Mice. <i>Developmental Cell</i> , 2018, 47, 645-659.e6.	3.1	68
3621	NuRD-interacting protein ZFP296 regulates genome-wide NuRD localization and differentiation of mouse embryonic stem cells. <i>Nature Communications</i> , 2018, 9, 4588.	5.8	22
3622	Early Growth Response 1-Dependent Downregulation of Matrix Metalloproteinase 9 and Mouse Double Minute 2 Attenuates Head and Neck Squamous Cell Carcinoma Metastasis. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1869-1881.	1.1	4
3623	Reproducible bioinformatics project: a community for reproducible bioinformatics analysis pipelines. <i>BMC Bioinformatics</i> , 2018, 19, 349.	1.2	49
3624	Norepinephrine triggers an immediate-early regulatory network response in primary human white adipocytes. <i>BMC Genomics</i> , 2018, 19, 794.	1.2	20
3625	<scp>PDX</scp> models recapitulate the genetic and epigenetic landscape of pediatric T-cell leukemia. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	38
3626	Molecular Signature of Aluminum Hydroxide Adjuvant in Ovine PBMCs by Integrated mRNA and microRNA Transcriptome Sequencing. <i>Frontiers in Immunology</i> , 2018, 9, 2406.	2.2	15
3627	Genetic Models Reveal cis and trans Immune-Regulatory Activities for lincRNA-Cox2. <i>Cell Reports</i> , 2018, 25, 1511-1524.e6.	2.9	73
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3630	Parasitic Nematodes Exert Antimicrobial Activity and Benefit From Microbiota-Driven Support for Host Immune Regulation. <i>Frontiers in Immunology</i> , 2018, 9, 2282.	2.2	57
3631	Complement C3aR Inactivation Attenuates Tau Pathology and Reverses an Immune Network Deregulated in Tauopathy Models and Alzheimer's Disease. <i>Neuron</i> , 2018, 100, 1337-1353.e5.	3.8	306
3632	Merkel Cells Activate Sensory Neural Pathways through Adrenergic Synapses. <i>Neuron</i> , 2018, 100, 1401-1413.e6.	3.8	84
3633	Weak Iron Oxidation by <i>Sulfobacillus thermosulfidooxidans</i> Maintains a Favorable Redox Potential for Chalcopyrite Bioleaching. <i>Frontiers in Microbiology</i> , 2018, 9, 3059.	1.5	35
3634	Transcriptome Analysis Reveals Candidate Genes for Cold Tolerance in <i>Drosophila ananassae</i> . <i>Genes</i> , 2018, 9, 624.	1.0	28
3635	The Clinical Application of RNA Sequencing in Genetic Diagnosis of Mendelian Disorders. <i>Advances in Molecular Pathology</i> , 2018, 1, 27-36.	0.2	1
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3637	Comparative transcriptome analysis revealed key factors for differential cadmium transport and retention in roots of two contrasting peanut cultivars. <i>BMC Genomics</i> , 2018, 19, 938.	1.2	31
3638	Sheep skeletal muscle transcriptome analysis reveals muscle growth regulatory lncRNAs. <i>PeerJ</i> , 2018, 6, e4619.	0.9	6
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3642	A miRNA Host Response Signature Accurately Discriminates Acute Respiratory Infection Etiologies. <i>Frontiers in Microbiology</i> , 2018, 9, 2957.	1.5	14
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3648	Identifying Differential Gene Expression in Wing Polymorphism of Adult Males of the Largest Water Strider: De novo Transcriptome Assembly for <i>Gigantometra gigas</i> (Hemiptera: Gerridae). <i>Journal of Insect Science</i> , 2018, 18, .	0.6	4
3649	Expression of odorant co-receptor Orco in tissues and development stages of <i>Glossina morsitans morsitans</i> , <i>Glossina fuscipies fuscipies</i> and <i>Glossina pallidipies</i> . <i>Scientific African</i> , 2018, 1, e00011.	0.7	3
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3651	Support for the Dominance Theory in <i>Drosophila</i> Transcriptomes. <i>Genetics</i> , 2018, 210, 703-718.	1.2	8
3652	Gene expression analysis of flower bud dormancy breaking in almond using RNA-seq. <i>Acta Horticulturae</i> , 2018, , 119-124.	0.1	3
3653	<i>Listeria monocytogenes</i> Relies on the Heme-Regulated Transporter hrtAB to Resist Heme Toxicity and Uses Heme as a Signal to Induce Transcription of lmo1634, Encoding <i>Listeria</i> Adhesion Protein. <i>Frontiers in Microbiology</i> , 2018, 9, 3090.	1.5	16
3654	Gene Profiling in Late Blight Resistance in Potato Genotype SD20. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1728.	1.8	24
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3656	Transcriptomic and fluxomic changes in <i>Streptomyces lividans</i> producing heterologous protein. <i>Microbial Cell Factories</i> , 2018, 17, 198.	1.9	18
3657	Brain transcriptome changes in the aging <i>Drosophila melanogaster</i> accompany olfactory memory performance deficits. <i>PLoS ONE</i> , 2018, 13, e0209405.	1.1	26
3658	The AGXX <sup>®</sup> Antimicrobial Coating Causes a Thiol-Specific Oxidative Stress Response and Protein S-bacillithiolation in <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3037.	1.5	33
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3661	Mitochondrial Membrane Potential Regulates Nuclear Gene Expression in Macrophages Exposed to Prostaglandin E2. <i>Immunity</i> , 2018, 49, 1021-1033.e6.	6.6	75
3662	The Integrator complex regulates differential snRNA processing and fate of adult stem cells in the highly regenerative planarian <i>Schmidtea mediterranea</i> . <i>PLoS Genetics</i> , 2018, 14, e1007828.	1.5	14
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3666	Heat Shock Factor 5 Is Essential for Spermatogenesis in Zebrafish. <i>Cell Reports</i> , 2018, 25, 3252-3261.e4.	2.9	26
3667	High-resolution genome-wide functional dissection of transcriptional regulatory regions and nucleotides in human. <i>Nature Communications</i> , 2018, 9, 5380.	5.8	117
3668	Microglial phenotypes in the human epileptic temporal lobe. <i>Brain</i> , 2018, 141, 3343-3360.	3.7	89
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3674	Identification and characterization of SSR, SNP and InDel molecular markers from RNA-Seq data of guar ( <i>Cyamopsis tetragonoloba</i> , L. Taub.) roots. <i>BMC Genomics</i> , 2018, 19, 951.	1.2	54
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3684	Effects of urbanization on the foraging ecology and microbiota of the generalist seabird <i>Larus argentatus</i> . <i>PLoS ONE</i> , 2018, 13, e0209200.	1.1	72
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3688	RNA-Protein Interactions Prevent Long RNA Duplex Formation: Implications for the Design of RNA-Based Therapeutics. <i>Molecules</i> , 2018, 23, 3329.	1.7	0
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3690	Transcriptome Profiling of Layer 5 Intratelencephalic Projection Neurons From the Mature Mouse Motor Cortex. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 410.	1.4	8
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3696	Analysis and correction of compositional bias in sparse sequencing count data. <i>BMC Genomics</i> , 2018, 19, 799.	1.2	85
3697	EspL is essential for virulence and stabilizes EspE, EspF and EspH levels in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007491.	2.1	33
3698	Drug and disease signature integration identifies synergistic combinations in glioblastoma. <i>Nature Communications</i> , 2018, 9, 5315.	5.8	78
3699	Mycoextraction: Rapid Cadmium Removal by Macrofungi-Based Technology from Alkaline Soil. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 589.	0.8	3
3700	KLF4, A Gene Regulating Prostate Stem Cell Homeostasis, Is a Barrier to Malignant Progression and Predictor of Good Prognosis in Prostate Cancer. <i>Cell Reports</i> , 2018, 25, 3006-3020.e7.	2.9	22

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3706	The ER membrane protein complex (EMC) promotes biogenesis of sterol-related enzymes maintaining cholesterol homeostasis. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	73
3707	The Aryl Hydrocarbon Receptor Pathway Defines the Time Frame for Restorative Neurogenesis. <i>Cell Reports</i> , 2018, 25, 3241-3251.e5.	2.9	34
3708	Swimming downstream: statistical analysis of differential transcript usage following Salmon quantification. <i>F1000Research</i> , 2018, 7, 952.	0.8	87
3709	Environmental DNA: A New Low-Cost Monitoring Tool for Pathogens in Salmonid Aquaculture. <i>Frontiers in Microbiology</i> , 2018, 9, 3009.	1.5	47
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3711	Comparative Flavivirus-Host Protein Interaction Mapping Reveals Mechanisms of Dengue and Zika Virus Pathogenesis. <i>Cell</i> , 2018, 175, 1931-1945.e18.	13.5	252
3712	Multisensory Logic of Infant-Directed Aggression by Males. <i>Cell</i> , 2018, 175, 1827-1841.e17.	13.5	73
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3714	Characterization of the <i>Citrobacter rodentium</i> Cpx regulon and its role in host infection. <i>Molecular Microbiology</i> , 2019, 111, 700-716.	1.2	15
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3720	Drp1 Controls Effective T Cell Immune-Surveillance by Regulating T Cell Migration, Proliferation, and cMyc-Dependent Metabolic Reprogramming. <i>Cell Reports</i> , 2018, 25, 3059-3073.e10.	2.9	82
3721	Circulating small non-coding RNAs associated with age, sex, smoking, body mass and physical activity. <i>Scientific Reports</i> , 2018, 8, 17650.	1.6	31
3722	Molecular signatures associated with increased freezing tolerance due to low temperature memory in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 854-873.	2.8	89
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3724	Modification of Barley Plant Productivity Through Regulation of Cytokinin Content by Reverse-Genetics Approaches. <i>Frontiers in Plant Science</i> , 2018, 9, 1676.	1.7	79
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3728	Pathway sensor-based functional genomics screening identifies modulators of neuronal activity. <i>Scientific Reports</i> , 2018, 8, 17597.	1.6	7
3729	Concentrations of Purine Metabolites Are Elevated in Fluids from Adults and Infants and in Livers from Mice Fed Diets Depleted of Bovine Milk Exosomes and their RNA Cargos. <i>Journal of Nutrition</i> , 2018, 148, 1886-1894.	1.3	36
3730	Inflammatory Mediator Expression Associated With Antibody Response Induced by Live Attenuated vs Inactivated Influenza Virus Vaccine in Children. <i>Open Forum Infectious Diseases</i> , 2018, 5, ofy277.	0.4	8
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3734	Profiling proliferative cells and their progeny in damaged murine hearts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12245-E12254.	3.3	154
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4048	Circular RNA expression profile of spleen in a <i>Clostridium</i> Âperfringens type CÂ€induced piglet model of necrotizing enteritis. <i>FEBS Open Bio</i> , 2018, 8, 1722-1732.	1.0	26
4049	Single-allele chromatin interactions identify regulatory hubs in dynamic compartmentalized domains. <i>Nature Genetics</i> , 2018, 50, 1744-1751.	9.4	150
4050	Inflammation induced by influenza virus impairs human innate immune control of pneumococcus. <i>Nature Immunology</i> , 2018, 19, 1299-1308.	7.0	127
4051	Myeloid-derived suppressor cells control B cell accumulation in the central nervous system during autoimmunity. <i>Nature Immunology</i> , 2018, 19, 1341-1351.	7.0	82
4052	Comparative transcriptome analysis of <i>Eimeria maxima</i> (Apicomplexa: Eimeriidae) suggests DNA replication activities correlating with its fecundity. <i>BMC Genomics</i> , 2018, 19, 699.	1.2	12
4053	Microprocessor-dependent processing of splice site overlapping microRNA exons does not result in changes in alternative splicing. <i>Rna</i> , 2018, 24, 1158-1171.	1.6	12
4054	TRPS1 Is a Lineage-Specific Transcriptional Dependency in Breast Cancer. <i>Cell Reports</i> , 2018, 25, 1255-1267.e5.	2.9	46
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4060	Rare Earth Elements Alter Redox Balance in <i>Methylobacterium alcaliphilum</i> 20ZR. <i>Frontiers in Microbiology</i> , 2018, 9, 2735.	1.5	28
4061	Analysis of in situ Transcriptomes Reveals Divergent Adaptive Response to Hyper- and Hypo-Salinity in the Hong Kong Oyster, <i>Crassostrea hongkongensis</i> . <i>Frontiers in Physiology</i> , 2018, 9, 1491.	1.3	26
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4063	Large Differences in Small RNA Composition Between Human Biofluids. <i>Cell Reports</i> , 2018, 25, 1346-1358.	2.9	163
4064	N6-Methyladenosine Inhibits Local Ribonucleolytic Cleavage to Stabilize mRNAs in Arabidopsis. <i>Cell Reports</i> , 2018, 25, 1146-1157.e3.	2.9	175

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4067	The Cloacal Microbiome of Five Wild Duck Species Varies by Species and Influenza A Virus Infection Status. <i>MSphere</i> , 2018, 3, .	1.3	28
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4077	Impact of Variable RNA-Sequencing Depth on Gene Expression Signatures and Target Compound Robustness: Case Study Examining Brain Tumor (Glioma) Disease Progression. <i>JCO Precision Oncology</i> , 2018, 2, 1-17.	1.5	3
4078	RNA based individualized drug selection in breast cancer patients without patient-matched normal tissue. <i>Oncotarget</i> , 2018, 9, 32362-32372.	0.8	1
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4102	Identification of novel genes involved in acetic acid tolerance of <i>Saccharomyces cerevisiae</i> using pooled-segregant RNA sequencing. <i>FEMS Yeast Research</i> , 2018, 18, .	1.1	9
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4106	RNAâ€™seq: Basic Bioinformatics Analysis. <i>Current Protocols in Molecular Biology</i> , 2018, 124, e68.	2.9	44
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4111	Promoter bivalency favors an open chromatin architecture in embryonic stem cells. <i>Nature Genetics</i> , 2018, 50, 1452-1462.	9.4	113
4112	De novo mutations in MSL3 cause an X-linked syndrome marked by impaired histone H4 lysine 16 acetylation. <i>Nature Genetics</i> , 2018, 50, 1442-1451.	9.4	28
4113	Groucho related gene 5 (GRG5) is involved in embryonic and neural stem cell state decisions. <i>Scientific Reports</i> , 2018, 8, 13790.	1.6	9
4114	Circular <scp>RNA</scp>s: Methodological challenges and perspectives in cardiovascular diseases. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5176-5187.	1.6	54
4115	Stress Resistance Development and Genome-Wide Transcriptional Response of <i>Escherichia coli</i> O157:H7 Adapted to Sublethal Thymol, Carvacrol, and <i>trans</i>-Cinnamaldehyde. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	26
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4136	<i>Trichoderma polysporum</i> selectively inhibits white-nose syndrome fungal pathogen <i>Pseudogymnoascus destructans</i> amidst soil microbes. <i>Microbiome</i> , 2018, 6, 139.	4.9	29

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4179	Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. <i>Cell Stem Cell</i> , 2018, 23, 727-741.e9.	5.2	156
4180	Identification of differentially methylated region (DMR) networks associated with progression of nonalcoholic fatty liver disease. <i>Scientific Reports</i> , 2018, 8, 13567.	1.6	33
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4188	MYBA From Blueberry ( <i>Vaccinium Section Cyanococcus</i> ) Is a Subgroup 6 Type R2R3MYB Transcription Factor That Activates Anthocyanin Production. <i>Frontiers in Plant Science</i> , 2018, 9, 1300.	1.7	55
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4502	PD-1 Controls Follicular T Helper Cell Positioning and Function. <i>Immunity</i> , 2018, 49, 264-274.e4.	6.6	316
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4505	Uncoupling effects of estrogen receptor $\beta$ on LKB1/AMPK interaction upon adiponectin exposure in breast cancer. <i>FASEB Journal</i> , 2018, 32, 4343-4355.	0.2	43
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5672	Insights into the Potential of the Atlantic Cod Gut Microbiome as Biomarker of Oil Contamination in the Marine Environment. <i>Microorganisms</i> , 2019, 7, 209.	1.6	33
5673	The transcription factor odd-paired regulates temporal identity in transit-amplifying neural progenitors via an incoherent feed-forward loop. <i>ELife</i> , 2019, 8, .	2.8	32
5674	CRISPR/Cas9 Screens Reveal Multiple Layers of B cell CD40 Regulation. <i>Cell Reports</i> , 2019, 28, 1307-1322.e8.	2.9	18
5675	Novel cell adhesion/migration pathways are predictive markers of HDAC inhibitor resistance in cutaneous T cell lymphoma. <i>EBioMedicine</i> , 2019, 46, 170-183.	2.7	26
5676	Integrative analysis of DNA methylation and gene expression profiles identifies MIR4435-2HG as an oncogenic lncRNA for glioma progression. <i>Gene</i> , 2019, 715, 144012.	1.0	23
5677	Heterozygous Mutations in SMARCA2 Reprogram the Enhancer Landscape by Global Retargeting of SMARCA4. <i>Molecular Cell</i> , 2019, 75, 891-904.e7.	4.5	33
5678	Development of a Chimeric Model to Study and Manipulate Human Microglia In Vivo. <i>Neuron</i> , 2019, 103, 1016-1033.e10.	3.8	218
5679	MAPCap allows high-resolution detection and differential expression analysis of transcription start sites. <i>Nature Communications</i> , 2019, 10, 3219.	5.8	16
5680	Transposition favors the generation of large effect mutations that may facilitate rapid adaption. <i>Nature Communications</i> , 2019, 10, 3421.	5.8	134
5681	Cholera toxin promotes pathogen acquisition of host-derived nutrients. <i>Nature</i> , 2019, 572, 244-248.	13.7	89
5682	Chronic disturbance in the thalamus following cranial irradiation to the developing mouse brain. <i>Scientific Reports</i> , 2019, 9, 9588.	1.6	2
5683	Glial gene networks associated with alcohol dependence. <i>Scientific Reports</i> , 2019, 9, 10949.	1.6	44
5684	<i>Trypanosoma brucei</i> ribonuclease H2A is an essential R-loop processing enzyme whose loss causes DNA damage during transcription initiation and antigenic variation. <i>Nucleic Acids Research</i> , 2019, 47, 9180-9197.	6.5	32
5685	Estrogen-independent molecular actions of mutant estrogen receptor 1 in endometrial cancer. <i>Genome Research</i> , 2019, 29, 1429-1441.	2.4	27
5686	The genome of <i>Peromyscus leucopus</i> , natural host for Lyme disease and other emerging infections. <i>Science Advances</i> , 2019, 5, eaaw6441.	4.7	41
5687	Microbial Similarity between Students in a Common Dormitory Environment Reveals the Forensic Potential of Individual Microbial Signatures. <i>MBio</i> , 2019, 10, .	1.8	31
5688	Genome-wide mapping of 5-hydroxymethylcytosines in circulating cell-free DNA as a non-invasive approach for early detection of hepatocellular carcinoma. <i>Gut</i> , 2019, 68, 2195-2205.	6.1	180

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5690	Epigenomics and Single-Cell Sequencing Define a Developmental Hierarchy in Langerhans Cell Histiocytosis. <i>Cancer Discovery</i> , 2019, 9, 1406-1421.	7.7	42
5691	Prediction of regulatory long intergenic non-coding RNAs acting in trans through base-pairing interactions. <i>BMC Genomics</i> , 2019, 20, 601.	1.2	23
5692	Comparison of gene expression profile of the spinal cord of sprouting-capable neonatal and sprouting-incapable adult mice. <i>BMC Genomics</i> , 2019, 20, 619.	1.2	9
5693	Long noncoding RNA CCDC144NL-AS1 knockdown induces naïve-like state conversion of human pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2019, 10, 220.	2.4	9
5694	Differential gene expression and gene ontologies associated with increasing water-stress in leaf and root transcriptomes of perennial ryegrass ( <i>Lolium perenne</i> ). <i>PLoS ONE</i> , 2019, 14, e0220518.	1.1	4
5695	<i>Cryptococcus neoformans</i> resists to drastic conditions by switching to viable but non-culturable cell phenotype. <i>PLoS Pathogens</i> , 2019, 15, e1007945.	2.1	31
5696	Bacterial genome architecture shapes global transcriptional regulation by DNA supercoiling. <i>Nucleic Acids Research</i> , 2019, 47, 5648-5657.	6.5	60
5697	Isolation, culturing and gene expression profiling of inner mass cells from stable and vulnerable carotid atherosclerotic plaques. <i>PLoS ONE</i> , 2019, 14, e0218892.	1.1	7
5698	Oncogenic Pathways and Loss of the Rab11 GTPase Synergize To Alter Metabolism in <i>Drosophila</i> . <i>Genetics</i> , 2019, 212, 1227-1239.	1.2	12
5699	Evaluation of a Recombinant <i>Flavobacterium columnare</i> DnaK Protein Vaccine as a Means of Protection Against Columnaris Disease in Channel Catfish ( <i>Ictalurus punctatus</i> ). <i>Frontiers in Immunology</i> , 2019, 10, 1175.	2.2	19
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5702	Integrated transcriptomic and phytochemical analyses provide insights into characteristic metabolites variation in leaves of 1-year-old grafted tea ( <i>Camellia sinensis</i> ). <i>Tree Genetics and Genomes</i> , 2019, 15, 1.	0.6	6
5703	Hexabromocyclododecane (HBCD): A case study applying tiered testing for human health risk assessment. <i>Food and Chemical Toxicology</i> , 2019, 131, 110581.	1.8	24
5704	Rational targeting of a NuRD subcomplex guided by comprehensive in situ mutagenesis. <i>Nature Genetics</i> , 2019, 51, 1149-1159.	9.4	83
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5706	A web-based tool for the prediction of rice transcription factor function. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	7

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5708	Transcriptomic response to aquaculture intensification in Nile tilapia. <i>Evolutionary Applications</i> , 2019, 12, 1757-1771.	1.5	13
5709	Mixed Spices at Culinary Doses Have Prebiotic Effects in Healthy Adults: A Pilot Study. <i>Nutrients</i> , 2019, 11, 1425.	1.7	25
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5711	RAC1P29S Induces a Mesenchymal Phenotypic Switch via Serum Response Factor to Promote Melanoma Development and Therapy Resistance. <i>Cancer Cell</i> , 2019, 36, 68-83.e9.	7.7	104
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5716	Deep transcriptome analysis using RNA-Seq suggests novel insights into molecular aspects of fat-tail metabolism in sheep. <i>Scientific Reports</i> , 2019, 9, 9203.	1.6	34
5717	Intracellular Zn <sup>2+</sup> transients modulate global gene expression in dissociated rat hippocampal neurons. <i>Scientific Reports</i> , 2019, 9, 9411.	1.6	41
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5719	The <i>l</i> <sup>B</sup> -dependent regulatory sRNA Rli47 represses isoleucine biosynthesis in <i>Listeria monocytogenes</i> through a direct interaction with the <i>ilvA</i> transcript. <i>RNA Biology</i> , 2019, 16, 1424-1437.	1.5	35
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5721	Genetic basis of species-specific genitalia reveals role in species diversification. <i>Science Advances</i> , 2019, 5, eaav9939.	4.7	22
5722	Acute suppression of insulin resistance-associated hepatic miR-29 in vivo improves glycemic control in adult mice. <i>Physiological Genomics</i> , 2019, 51, 379-389.	1.0	33
5723	Transcriptome analysis of rice-seedling roots under soil salt stress using RNA-Seq method. <i>Plant Biotechnology Reports</i> , 2019, 13, 567-578.	0.9	37
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5726	Single-Cell Transcriptomic Analyses of Cell Fate Transitions during Human Cardiac Reprogramming. <i>Cell Stem Cell</i> , 2019, 25, 149-164.e9.	5.2	87
5727	Rootstock effects on scion phenotypes in a "Chambourcin"™ experimental vineyard. <i>Horticulture Research</i> , 2019, 6, 64.	2.9	37
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5730	Enhancer signatures stratify and predict outcomes of non-functional pancreatic neuroendocrine tumors. <i>Nature Medicine</i> , 2019, 25, 1260-1265.	15.2	120
5731	Phenotypic plasticity of <i>Escherichia coli</i> upon exposure to physical stress induced by ZnO nanorods. <i>Scientific Reports</i> , 2019, 9, 8575.	1.6	19
5732	Exogenous RNAi mechanisms contribute to transcriptome adaptation by phased siRNA clusters in <i>Paramecium</i> . <i>Nucleic Acids Research</i> , 2019, 47, 8036-8049.	6.5	21
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5746	Spatial ecology of a wastewater network defines the antibiotic resistance genes in downstream receiving waters. <i>Water Research</i> , 2019, 162, 347-357.	5.3	108
5747	CTCF variants in 39 individuals with a variable neurodevelopmental disorder broaden the mutational and clinical spectrum. <i>Genetics in Medicine</i> , 2019, 21, 2723-2733.	1.1	48
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5750	Dual Antagonist of cIAP/XIAP ASTX660 Sensitizes HPV <sup>-</sup> and HPV <sup>+</sup> Head and Neck Cancers to TNF $\alpha$ , TRAIL, and Radiation Therapy. <i>Clinical Cancer Research</i> , 2019, 25, 6463-6474.	3.2	28
5751	Schlafen 3 knockout mice display gender-specific differences in weight gain, food efficiency, and expression of markers of intestinal epithelial differentiation, metabolism, and immune cell function. <i>PLoS ONE</i> , 2019, 14, e0219267.	1.1	17
5752	APRIL Induces a Novel Subset of IgA <sup>+</sup> Regulatory B Cells That Suppress Inflammation via Expression of IL-10 and PD-L1. <i>Frontiers in Immunology</i> , 2019, 10, 1368.	2.2	63
5753	Pervasive Chromatin-RNA Binding Protein Interactions Enable RNA-Based Regulation of Transcription. <i>Cell</i> , 2019, 178, 107-121.e18.	13.5	224
5754	Concomitant Infection of <i>S.Âmansoni</i> and <i>H.Âpylori</i> Promotes Promiscuity of Antigen-Experienced Cells and Primes the Liver for a Lower Fibrotic Response. <i>Cell Reports</i> , 2019, 28, 231-244.e5.	2.9	10
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7867	Bacterial release from pipe biofilm in a full-scale drinking water distribution system. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 9.	2.9	88
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8502	Non-specific interference of cobalt with siderophore-dependent iron uptake pathways. <i>Metallomics</i> , 2019, 11, 1937-1951.	1.0	7
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8517	Obstructed defecation—an enteric neuropathy? An exploratory study of patient samples. <i>International Journal of Colorectal Disease</i> , 2019, 34, 193-196.	1.0	7
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8560	Genomics of forest trees. <i>Advances in Botanical Research</i> , 2019, 89, 1-37.	0.5	4
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8563	Smc3 is required for mouse embryonic and adult hematopoiesis. <i>Experimental Hematology</i> , 2019, 70, 70-84.e6.	0.2	12
8564	Deletion of myeloid IRS2 enhances adipose tissue sympathetic nerve function and limits obesity. <i>Molecular Metabolism</i> , 2019, 20, 38-50.	3.0	18
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9045	Reactivation of super-enhancers by KLF4 in human Head and Neck Squamous Cell Carcinoma. <i>Oncogene</i> , 2020, 39, 262-277.	2.6	15
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10028	De novo RNA-Seq analysis in sensitive rice cultivar and comparative transcript profiling in contrasting genotypes reveal genetic biomarkers for fluoride-stress response. <i>Environmental Pollution</i> , 2020, 267, 115378.	3.7	8
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10049	Computational Analysis of Targeting SARS-CoV-2, Viral Entry Proteins ACE2 and TMPRSS2, and Interferon Genes by Host MicroRNAs. <i>Genes</i> , 2020, 11, 1354.	1.0	56
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10081	Hsp70-like proteins in <i>Pseudomonas aeruginosa</i> coordinately silence intragenic transcription. <i>Molecular Microbiology</i> , 2020, 115, 1138-1151.	1.2	14
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10138	Expression of Viral microRNAs in Serum and White Blood Cells of Cows Exposed to Bovine Leukemia Virus. <i>Frontiers in Veterinary Science</i> , 2020, 7, 536390.	0.9	6
10139	Leaf shape in <i>Populus tremula</i> is a complex, omnigenic trait. <i>Ecology and Evolution</i> , 2020, 10, 11922-11940.	0.8	19
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10755	Accumulation of long-chain fatty acids in the tumor microenvironment drives dysfunction in intrapancreatic CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	142
10756	Restriction of memory B cell differentiation at the germinal center B cell positive selection stage. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	23
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10760	Glutamine depletion regulates Slug to promote EMT and metastasis in pancreatic cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	101
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10762	Molecular Pathway Activation Markers Are Associated with Efficacy of Trastuzumab Therapy in Metastatic HER2-Positive Breast Cancer Better than Individual Gene Expression Levels. <i>Biochemistry (Moscow)</i> , 2020, 85, 758-772.	0.7	14
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10764	Processing Has Differential Effects on Microbiota-Accessible Carbohydrates in Whole Grains during <i>In Vitro</i> Fermentation. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	23
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10773	Immune and sex-biased gene expression in the threatened Mojave desert tortoise, <i>Gopherus agassizii</i> . <i>PLoS ONE</i> , 2020, 15, e0238202.	1.1	2
10774	Transcriptional and immunohistological assessment of immune infiltration in pancreatic cancer. <i>PLoS ONE</i> , 2020, 15, e0238380.	1.1	16
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10792	Treadmill exercise has minimal impact on obesogenic diet-related gut microbiome changes but alters adipose and hypothalamic gene expression in rats. <i>Nutrition and Metabolism</i> , 2020, 17, 71.	1.3	9
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10794	Seasonal dynamics and starvation impact on the gut microbiome of urochordate ascidian <i>Halocynthia roretzi</i> . <i>Animal Microbiome</i> , 2020, 2, 30.	1.5	16
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10899	Identifying gene signatures for cancer drug repositioning based on sample clustering. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, PP, 1-1.	1.9	6
10900	The S enantiomer of 2-hydroxyglutarate increases central memory CD8 populations and improves CAR-T therapy outcome. <i>Blood Advances</i> , 2020, 4, 4483-4493.	2.5	24
10901	Repetitive transcranial magnetic stimulation activates glial cells and inhibits neurogenesis after pneumococcal meningitis. <i>PLoS ONE</i> , 2020, 15, e0232863.	1.1	10
10902	CXCL4 Links Inflammation and Fibrosis by Reprogramming Monocyte-Derived Dendritic Cells in vitro. <i>Frontiers in Immunology</i> , 2020, 11, 2149.	2.2	26
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10906	Comparative de novo transcriptome analysis of barley varieties with different malting qualities. <i>Functional and Integrative Genomics</i> , 2020, 20, 801-812.	1.4	4
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11043	A long non-coding RNA <i>GATA6-AS1</i> adjacent to <i>GATA6</i> is required for cardiomyocyte differentiation from human pluripotent stem cells. <i>FASEB Journal</i> , 2020, 34, 14336-14352.	0.2	12
11044	Genetic variants modulate gene expression statin response in human lymphoblastoid cell lines. <i>BMC Genomics</i> , 2020, 21, 555.	1.2	15
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11046	Transcriptomic analysis links diverse hypothalamic cell types to fibroblast growth factor 1-induced sustained diabetes remission. <i>Nature Communications</i> , 2020, 11, 4458.	5.8	34
11047	Exhausted CD8+ T cells exhibit low and strongly inhibited TCR signaling during chronic LCMV infection. <i>Nature Communications</i> , 2020, 11, 4454.	5.8	32
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11051	Comparative study of preimplantation development following distinct assisted oocyte activation protocols in a PLC-zeta knockout mouse model. <i>Molecular Human Reproduction</i> , 2020, 26, 801-815.	1.3	11
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11054	Alignment and mapping methodology influence transcript abundance estimation. <i>Genome Biology</i> , 2020, 21, 239.	3.8	96
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11056	Exploring the virulence gene interactome with CRISPR-dCas9 in the human malaria parasite. <i>Molecular Systems Biology</i> , 2020, 16, e9569.	3.2	32
11057	Evidence for the Accumulation of Nonsynonymous Mutations and Favorable Pleiotropic Alleles During Wheat Breeding. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4001-4011.	0.8	6
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11192	Human transcription factors responsive to initial reprogramming predominantly undergo legitimate reprogramming during fibroblast conversion to iPSCs. <i>Scientific Reports</i> , 2020, 10, 19710.	1.6	9
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11260	The Role of Symbiotic Microorganisms, Nutrient Uptake and Rhizosphere Bacterial Community in Response of Pea ( <i>Pisum sativum</i> L.) Genotypes to Elevated Al Concentrations in Soil. <i>Plants</i> , 2020, 9, 1801.	1.6	12
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11298	Tissue-specific Gene Expression Changes Are Associated with Aging in Mice. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 430-442.	3.0	23
11299	Goals and approaches for each processing step for single-cell RNA sequencing data. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	31
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11307	Elevated glucose alters global gene expression and tenascin-C alternative splicing in mesangial cells. <i>Matrix Biology Plus</i> , 2020, 8, 100048.	1.9	5
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11386	Foxp3+ Regulatory T Cells Inhibit CCl4-Induced Liver Inflammation and Fibrosis by Regulating Tissue Cellular Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 584048.	2.2	30
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11388	Oral Microbial Species and Virulence Factors Associated with Oral Squamous Cell Carcinoma. <i>Microbial Ecology</i> , 2021, 82, 1030-1046.	1.4	29
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11439	Prediction of survival and recurrence in patients with pancreatic cancer by integrating multi-omics data. <i>Scientific Reports</i> , 2020, 10, 18951.	1.6	42
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11441	Evidence supporting the microbiota-gut-brain axis in a songbird. <i>Biology Letters</i> , 2020, 16, 20200430.	1.0	14
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11449	Epigenetic Analyses of Human Left Atrial Tissue Identifies Gene Networks Underlying Atrial Fibrillation. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e003085.	1.6	14
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11453	Gut microbiome profiling of a rural and urban South African cohort reveals biomarkers of a population in lifestyle transition. <i>BMC Microbiology</i> , 2020, 20, 330.	1.3	24
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11457	Screening of Salt Stress Responsive Genes in <i>Brachypodium distachyon</i> (L.) Beauv. by Transcriptome Analysis. <i>Plants</i> , 2020, 9, 1522.	1.6	6
11458	Transcriptomic Analysis of Shiga Toxin-Producing <i>Escherichia coli</i> during Initial Contact with Cattle Colonic Explants. <i>Microorganisms</i> , 2020, 8, 1662.	1.6	6
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11461	Contrasting Immunomodulatory Effects of Probiotic and Pathogenic Bacteria on Eastern Oyster, <i>Crassostrea Virginica</i> , Larvae. <i>Vaccines</i> , 2020, 8, 588.	2.1	20
11462	Zmat3 Is a Key Splicing Regulator in the p53 Tumor Suppression Program. <i>Molecular Cell</i> , 2020, 80, 452-469.e9.	4.5	44
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11901	Post-transcriptional splicing of nascent RNA contributes to widespread intron retention in plants. <i>Nature Plants</i> , 2020, 6, 780-788.	4.7	87
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12515	Technologies and Computational Analysis Strategies for CRISPR Applications. <i>Molecular Cell</i> , 2020, 79, 11-29.	4.5	28
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13062	5-Hydroxymethylcytosine signatures in circulating cell-free DNA as diagnostic and predictive biomarkers for coronary artery disease. <i>Clinical Epigenetics</i> , 2020, 12, 17.	1.8	15
13063	Co-expression network analysis predicts a key role of microRNAs in the adaptation of the porcine skeletal muscle to nutrient supply. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 10.	2.1	17
13064	Synthetic lethality between <i>VPS4A</i> and <i>VPS4B</i> triggers an inflammatory response in colorectal cancer. <i>EMBO Molecular Medicine</i> , 2020, 12, e10812.	3.3	28
13065	Reproducibility of Methods to Detect Differentially Expressed Genes from Single-Cell RNA Sequencing. <i>Frontiers in Genetics</i> , 2019, 10, 1331.	1.1	58
13066	Evaluation of SCD, ACACA and FASN Mutations: Effects on Pork Quality and Other Production Traits in Pigs Selected Based on RNA-Seq Results. <i>Animals</i> , 2020, 10, 123.	1.0	22
13067	Bioregional Alterations in Gut Microbiome Contribute to the Plasma Metabolomic Changes in Pigs Fed with Inulin. <i>Microorganisms</i> , 2020, 8, 111.	1.6	34
13068	Silencing Trisomy 21 with XIST in Neural Stem Cells Promotes Neuronal Differentiation. <i>Developmental Cell</i> , 2020, 52, 294-308.e3.	3.1	41
13069	Nr4a1 suppresses cocaine-induced behavior via epigenetic regulation of homeostatic target genes. <i>Nature Communications</i> , 2020, 11, 504.	5.8	61
13070	Interrogation of enhancer function by enhancer-targeting CRISPR epigenetic editing. <i>Nature Communications</i> , 2020, 11, 485.	5.8	139
13071	The Influence of Met Receptor Level on HGF-Induced Glycolytic Reprogramming in Head and Neck Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 471.	1.8	18
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13076	Reduced sialylation triggers homeostatic synapse and neuronal loss in middle-aged mice. <i>Neurobiology of Aging</i> , 2020, 88, 91-107.	1.5	24
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13090	Single-cell transcriptional profiles in human skeletal muscle. <i>Scientific Reports</i> , 2020, 10, 229.	1.6	188
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13095	Gut microbiota compositional and functional fingerprint in patients with alcohol use disorder and alcohol-associated liver disease. <i>Liver International</i> , 2020, 40, 878-888.	1.9	68
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13107	Fecal metatranscriptomics and glycomics suggest that bovine milk oligosaccharides are fully utilized by healthy adults. <i>Journal of Nutritional Biochemistry</i> , 2020, 79, 108340.	1.9	8
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13134	Transcriptome analysis of fibroblasts from schizophrenia patients reveals differential expression of schizophrenia-related genes. <i>Scientific Reports</i> , 2020, 10, 630.	1.6	22
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13139	Immune correlates of tuberculosis disease and risk translate across species. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	52
13140	Insights into high-pressure acclimation: comparative transcriptome analysis of sea cucumber <i>Apostichopus japonicus</i> at different hydrostatic pressure exposures. <i>BMC Genomics</i> , 2020, 21, 68.	1.2	6
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13158	Whole-transcriptome analysis of the toxic effects of zearalenone exposure on ceRNA networks in porcine granulosa cells. <i>Environmental Pollution</i> , 2020, 261, 114007.	3.7	26
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13198	Digestive tract microbiota of beef cattle that differed in feed efficiency. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	35
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13204	High-quality genome sequence of white lupin provides insight into soil exploration and seed quality. <i>Nature Communications</i> , 2020, 11, 492.	5.8	90
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13897	MAnorm2 for quantitatively comparing groups of ChIP-seq samples. <i>Genome Research</i> , 2021, 31, 131-145.	2.4	36
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13906	A comprehensive library of human transcription factors for cell fate engineering. <i>Nature Biotechnology</i> , 2021, 39, 510-519.	9.4	110
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13914	TCP5 controls leaf margin development by regulating KNOX and BEL-like transcription factors in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 1809-1821.	2.4	26
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13920	Human neuronal signaling and communication assays to assess functional neurotoxicity. <i>Archives of Toxicology</i> , 2021, 95, 229-252.	1.9	15
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13922	Galectin-9 bridges human B cells to vascular endothelium while programming regulatory pathways. <i>Journal of Autoimmunity</i> , 2021, 117, 102575.	3.0	18
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14041	A Tumor Suppressor Enhancer of <i>PTEN</i> in T-cell Development and Leukemia. <i>Blood Cancer Discovery</i> , 2021, 2, 92-109.	2.6	15
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14043	Humanized C3 Mouse: A Novel Accelerated Model of C3 Glomerulopathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 99-114.	3.0	8
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14050	Mucin as a Functional Niche Is a More Important Driver of <i>In Vitro</i> Gut Microbiota Composition and Functionality than Akkermansia muciniphila Supplementation. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	14
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14056	Sestrin2 maintains OXPHOS integrity to modulate cardiac substrate metabolism during ischemia and reperfusion. <i>Redox Biology</i> , 2021, 38, 101824.	3.9	15
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14060	Specific MiRNAs in naïve T cells associated with Hepatitis C Virus-induced Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2021, 12, 1-9.	1.2	7
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14062	The Rhl Quorum-Sensing System Is at the Top of the Regulatory Hierarchy under Phosphate-Limiting Conditions in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	32
14063	Alterations in Gut Microbiota Do Not Play a Causal Role in Diet-independent Weight Gain Caused by Ovariectomy. <i>Journal of the Endocrine Society</i> , 2021, 5, bvaa173.	0.1	6
14064	Hearing impairment due to <i>Mir183/96/182</i> mutations suggests both loss-of-function and gain-of-function effects. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	14
14065	Tracking gene expression, metabolic profiles, and biochemical analysis in the halotolerant basidiomycetous yeast <i>Rhodotorula mucilaginosa</i> EXF-1630 during benzo[a]pyrene and phenanthrene biodegradation under hypersaline conditions. <i>Environmental Pollution</i> , 2021, 271, 116358.	3.7	19
14066	Chronic circadian shift leads to adipose tissue inflammation and fibrosis. <i>Molecular and Cellular Endocrinology</i> , 2021, 521, 111110.	1.6	28
14067	IFAA: Robust Association Identification and Inference for Absolute Abundance in Microbiome Analyses. <i>Journal of the American Statistical Association</i> , 2021, 116, 1595-1608.	1.8	2
14068	Tolerance Patterns and Transcriptomic Response to Extreme and Fluctuating Salinities across Populations of the Intertidal Copepod <i>Tigriopus californicus</i> . <i>Physiological and Biochemical Zoology</i> , 2021, 94, 50-69.	0.6	6
14069	TWO-SIGMA: A novel two-component single cell model-based association method for single-cell RNA-seq data. <i>Genetic Epidemiology</i> , 2021, 45, 142-153.	0.6	11

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14071	Metagenomic sequencing and evaluation of the host response in the pediatric aerodigestive population. <i>Pediatric Pulmonology</i> , 2021, 56, 516-524.	1.0	3
14072	Comparing larval microbiomes of the eastern oyster ( <i>Crassostrea virginica</i> ) raised in different hatcheries. <i>Aquaculture</i> , 2021, 531, 735955.	1.7	22
14073	Genome-wide characterization of early response genes to abscisic acid coordinating multiple pathways in <i>Aegilops tauschii</i> . <i>Crop Journal</i> , 2021, 9, 934-944.	2.3	1
14074	Reduced lipolysis in lipoma phenocopies lipid accumulation in obesity. <i>International Journal of Obesity</i> , 2021, 45, 565-576.	1.6	14
14075	Relevance of the Unfolded Protein Response to Spaceflight-Induced Transcriptional Reprogramming in <i>Arabidopsis</i> . <i>Astrobiology</i> , 2021, 21, 367-380.	1.5	10
14076	BMP Ligand Trap ALK3-Fc Attenuates Osteogenesis and Heterotopic Ossification in Blast-Related Lower Extremity Trauma. <i>Stem Cells and Development</i> , 2021, 30, 91-105.	1.1	17
14077	Exercise during pregnancy mitigates negative effects of parental obesity on metabolic function in adult mouse offspring. <i>Journal of Applied Physiology</i> , 2021, 130, 605-616.	1.2	11
14078	BMP9 and BMP10 Act Directly on Vascular Smooth Muscle Cells for Generation and Maintenance of the Contractile State. <i>Circulation</i> , 2021, 143, 1394-1410.	1.6	35
14079	Benchmarking Computational Doublet-Detection Methods for Single-Cell RNA Sequencing Data. <i>Cell Systems</i> , 2021, 12, 176-194.e6.	2.9	99
14080	Enteroendocrine cells sense bacterial tryptophan catabolites to activate enteric and vagal neuronal pathways. <i>Cell Host and Microbe</i> , 2021, 29, 179-196.e9.	5.1	129
14081	Intercellular Transmission of Hepatic ER Stress in Obesity Disrupts Systemic Metabolism. <i>Cell Metabolism</i> , 2021, 33, 319-333.e6.	7.2	46
14082	Transcriptional landscape of rice roots at the single-cell resolution. <i>Molecular Plant</i> , 2021, 14, 384-394.	3.9	131
14083	Promoter-interacting expression quantitative trait loci are enriched for functional genetic variants. <i>Nature Genetics</i> , 2021, 53, 110-119.	9.4	62
14084	Transcriptomic organization of the human brain in post-traumatic stress disorder. <i>Nature Neuroscience</i> , 2021, 24, 24-33.	7.1	106
14085	CoolMPS for robust sequencing of single-nuclear RNAs captured by droplet-based method. <i>Nucleic Acids Research</i> , 2021, 49, e11-e11.	6.5	10
14086	Ribosome profiling reveals ribosome stalling on tryptophan codons and ribosome queuing upon oxidative stress in fission yeast. <i>Nucleic Acids Research</i> , 2021, 49, 383-399.	6.5	40
14087	<i>Cis</i> -acting variation is common across regulatory layers but is often buffered during embryonic development. <i>Genome Research</i> , 2021, 31, 211-224.	2.4	19

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14089	Altered gene expression profile of <i>Wolbachia pipientis w</i> AlbB strain following transinfection from its native host <i>Aedes albopictus</i> to <i>Aedes aegypti</i> cells. <i>Molecular Microbiology</i> , 2021, 115, 1229-1243.	1.2	3
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14091	Multi-omics study of silicosis reveals the potential therapeutic targets PGD <sub>2</sub> and TXA <sub>2</sub> . <i>Theranostics</i> , 2021, 11, 2381-2394.	4.6	40
14092	Functionally distinct roles for TET-oxidized 5-methylcytosine bases in somatic reprogramming to pluripotency. <i>Molecular Cell</i> , 2021, 81, 859-869.e8.	4.5	29
14093	Profiling neural editomes reveals a molecular mechanism to regulate RNA editing during development. <i>Genome Research</i> , 2021, 31, 27-39.	2.4	17
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14096	A Noncoding Variant Near PPP1R3B Promotes Liver Glycogen Storage and MetS, but Protects Against Myocardial Infarction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 372-387.	1.8	12
14097	Synchronization of proline, ascorbate and oxidative stress pathways under the combination of salinity and heat in tomato plants. <i>Environmental and Experimental Botany</i> , 2021, 183, 104351.	2.0	35
14098	Evolution of <i>Pseudomonas aeruginosa</i> toward higher fitness under standard laboratory conditions. <i>ISME Journal</i> , 2021, 15, 1165-1177.	4.4	11
14099	dittoSeq: universal user-friendly single-cell and bulk RNA sequencing visualization toolkit. <i>Bioinformatics</i> , 2021, 36, 5535-5536.	1.8	85
14100	Using RNA-seq to Assess Off-Target Effects of Antisense Oligonucleotides in Human Cell Lines. <i>Molecular Diagnosis and Therapy</i> , 2021, 25, 77-85.	1.6	8
14101	Bacterial community dynamics varies with soil management and irrigation practices in grapevines ( <i>Vitis vinifera</i> L.). <i>Applied Soil Ecology</i> , 2021, 158, 103807.	2.1	12
14102	Comparative microRNA profiling reveals microRNAs involved in rice resistant response to bacterial blight. <i>Crop Journal</i> , 2021, 9, 834-842.	2.3	5
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14107	Snow crab ( <i>Chionoecetes opilio</i> ) hepatopancreas transcriptome: Identification and testing of candidate molecular biomarkers of seismic survey impact. <i>Fisheries Research</i> , 2021, 234, 105794.	0.9	7
14108	Replication and meta-analyses nominate numerous eosinophilic esophagitis risk genes. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 255-266.	1.5	25
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14110	Broadly active zinc finger protein-guided transcriptional activation of HIV-1. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 18-29.	1.8	8
14111	Effect of sugar feedback regulation on major genes and proteins of photosynthesis in sugarcane leaves. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 321-333.	2.8	14
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14115	OCTAD: an open workspace for virtually screening therapeutics targeting precise cancer patient groups using gene expression features. <i>Nature Protocols</i> , 2021, 16, 728-753.	5.5	24
14116	Host transcriptomic profiling of COVID-19 patients with mild, moderate, and severe clinical outcomes. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 153-160.	1.9	69
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14125	The effects of postmortem delay on mouse and human microglia gene expression. <i>Glia</i> , 2021, 69, 1053-1060.	2.5	10
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14127	Phosphate availability and ectomycorrhizal symbiosis with <i>Pinus sylvestris</i> have independent effects on the <i>Paxillus involutus</i> transcriptome. <i>Mycorrhiza</i> , 2021, 31, 69-83.	1.3	7
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14129	Transcriptomic signatures and repurposing drugs for COVID-19 patients: findings of bioinformatics analyses. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1-15.	1.9	18
14130	Response of oligotrophic coastal microbial populations in the SE Mediterranean Sea to crude oil pollution; lessons from mesocosm studies. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 249, 107102.	0.9	13
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14135	$\beta$ -catenin regulates FOXP2 transcriptional activity via multiple binding sites. <i>FEBS Journal</i> , 2021, 288, 3261-3284.	2.2	11
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14144	Transcriptional changes of mouse ovary during follicle initial or cyclic recruitment mediated by extra hormone treatment. <i>Life Sciences</i> , 2021, 264, 118654.	2.0	3
14145	Exploration of Bacterial Bottlenecks and <i>Streptococcus pneumoniae</i> Pathogenesis by CRISPRi-Seq. <i>Cell Host and Microbe</i> , 2021, 29, 107-120.e6.	5.1	66
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14157	Effects of sodium butyrate stimulation on immune-related mRNA-miRNA network in intestine of grass carp. <i>Aquaculture Research</i> , 2021, 52, 309-322.	0.9	3
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14159	A temporal hierarchy underpins the transcription factor-DNA interactome of the maize UPR. <i>Plant Journal</i> , 2021, 105, 254-270.	2.8	7

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14161	Comparing in vitro human liver models to in vivo human liver using RNA-Seq. <i>Archives of Toxicology</i> , 2021, 95, 573-589.	1.9	47
14162	Whole genome analyses reveal significant convergence in obsessive-compulsive disorder between humans and dogs. <i>Science Bulletin</i> , 2021, 66, 187-196.	4.3	8
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14166	Akebia saponin E, as a novel PIKfyve inhibitor, induces lysosome-associated cytoplasmic vacuolation to inhibit proliferation of hepatocellular carcinoma cells. <i>Journal of Ethnopharmacology</i> , 2021, 266, 113446.	2.0	9
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14177	Comparative Genomic and Transcriptomic Analyses Revealed Twenty-Six Candidate Genes Involved in the Air-Breathing Development and Function of the Bighead Catfish <i>Clarias macrocephalus</i> . <i>Marine Biotechnology</i> , 2021, 23, 90-105.	1.1	4

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14180	Niche differentiation and evolution of the wood decay machinery in the invasive fungus <i>Serpula lacrymans</i> . <i>ISME Journal</i> , 2021, 15, 592-604.	4.4	16
14181	How the $\beta$ -kitome™ influences the characterization of bacterial communities in lepidopteran samples with low bacterial biomass. <i>Journal of Applied Microbiology</i> , 2021, 130, 1780-1793.	1.4	9
14182	An approach for normalization and quality control for NanoString RNA expression data. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	67
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14188	Murine induced pluripotent stem cell-derived neuroimmune cell culture models emphasize opposite immune effector functions of interleukin 13-primed microglia and macrophages in terms of neuroimmune toxicity. <i>Glia</i> , 2021, 69, 326-345.	2.5	4
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14197	Identification and characterization of two consistent osteoarthritis subtypes by transcriptome and clinical data integration. <i>Rheumatology</i> , 2021, 60, 1166-1175.	0.9	23
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14199	<i>Serendipita bescii</i> promotes winter wheat growth and modulates the host root transcriptome under phosphorus and nitrogen starvation. <i>Environmental Microbiology</i> , 2021, 23, 1876-1888.	1.8	15
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15662	Acquisition of innate odor preference depends on spontaneous and experiential activities during critical period. <i>ELife</i> , 2021, 10, .	2.8	17
15663	Transcriptome assembly and differential gene expression of the invasive avian malaria parasite <i>Plasmodium relictum</i> in Hawaii. <i>Ecology and Evolution</i> , 2021, 11, 4935-4944.	0.8	10
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15665	Identification of a putative candidate gene encoding 7-dehydrocholesterol reductase involved in brassinosteroids biosynthesis for compact plant architecture in Cucumber ( <i>Cucumis sativus</i> L.). <i>Theoretical and Applied Genetics</i> , 2021, 134, 2023-2034.	1.8	9
15666	Age and sex-associated variation in the multi-site microbiome of an entire social group of free-ranging rhesus macaques. <i>Microbiome</i> , 2021, 9, 68.	4.9	42
15667	Circulating microRNA signatures that predict liver fibrosis progression in patients with HIV-1/hepatitis C virus coinfections. <i>Aids</i> , 2021, 35, 1355-1363.	1.0	10
15668	Modeling preeclampsia using human induced pluripotent stem cells. <i>Scientific Reports</i> , 2021, 11, 5877.	1.6	26
15669	Nonsteroidal Anti-inflammatory Drugs Dampen the Cytokine and Antibody Response to SARS-CoV-2 Infection. <i>Journal of Virology</i> , 2021, 95, .	1.5	97
15670	Identification and functional analysis of microRNAs in the regulation of summer diapause in <i>Galeruca daurica</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 37, 100786.	0.4	4
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15675	Beneficial effects of elafibranor on NASH in E3L.CETP mice and differences between mice and men. <i>Scientific Reports</i> , 2021, 11, 5050.	1.6	10
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15679	Azithromycin and the microbiota of cystic fibrosis sputum. <i>BMC Microbiology</i> , 2021, 21, 96.	1.3	14

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15683	Transcriptome Analysis of Ginkgo biloba L. Leaves across Late Developmental Stages Based on RNA-Seq and Co-Expression Network. <i>Forests</i> , 2021, 12, 315.	0.9	1
15685	Transcriptome and DNA Methylation Profiles of Mouse Fetus and Placenta Generated by Round Spermatid Injection. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 632183.	1.8	4
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15693	Voluntary Wheel Running Did Not Alter Gene Expression in 5xfad Mice, but in Wild-Type Animals Exclusively after One-Day of Physical Activity. <i>Cells</i> , 2021, 10, 693.	1.8	2
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15712	Groucho co-repressor proteins regulate $\hat{I}^2$ cell development and proliferation by repressing <i>Foxa1</i> in the developing mouse pancreas. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
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15721	<i>GF2R</i> circular RNA hsa_circ_0131235 expression in the middle temporal cortex is associated with AD pathology. <i>Brain and Behavior</i> , 2021, 11, e02048.	1.0	12
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15761	Multiple sclerosis risk gene <i>Mertk</i> is required for microglial activation and subsequent remyelination. <i>Cell Reports</i> , 2021, 34, 108835.	2.9	61
15762	A myeloidâ€stromal niche and gp130 rescue in NOD2-driven Crohnâ€™s disease. <i>Nature</i> , 2021, 593, 275-281.	13.7	65
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15862	Genome-wide differential expression analysis explores antibacterial molecular mechanisms of zebrafish intestine upon pathogenic <i>Streptococcus agalactiae</i> challenge. <i>Aquaculture Reports</i> , 2021, 19, 100639.	0.7	2
15863	Light exposure mediates circadian rhythms of rhizosphere microbial communities. <i>ISME Journal</i> , 2021, 15, 2655-2664.	4.4	41
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15865	Chromosome 8 gain is associated with high-grade transformation in MPNST. <i>JCI Insight</i> , 2021, 6, .	2.3	23
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15886	A Plant Based Modified Biostimulant (Copper Chlorophyllin), Mediates Defense Response in <i>Arabidopsis thaliana</i> under Salinity Stress. <i>Plants</i> , 2021, 10, 625.	1.6	11
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15890	ZFTA Translocations Constitute Ependymoma Chromatin Remodeling and Transcription Factors. <i>Cancer Discovery</i> , 2021, 11, 2216-2229.	7.7	32



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15902	Shotgun transcriptome, spatial omics, and isothermal profiling of SARS-CoV-2 infection reveals unique host responses, viral diversification, and drug interactions. <i>Nature Communications</i> , 2021, 12, 1660.	5.8	132
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15913	MicroRNA expression classification for pediatric multiple sclerosis identification. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 15851-15860.	3.3	12
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15924	Sex-specific effects of in vitro fertilization on adult metabolic outcomes and hepatic transcriptome and proteome in mouse. <i>FASEB Journal</i> , 2021, 35, e21523.	0.2	13
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15928	Soil Metagenomics Reveals Effects of Continuous Sugarcane Cropping on the Structure and Functional Pathway of Rhizospheric Microbial Community. <i>Frontiers in Microbiology</i> , 2021, 12, 627569.	1.5	80
15930	Selecting Classification Methods for Small Samples of Next-Generation Sequencing Data. <i>Frontiers in Genetics</i> , 2021, 12, 642227.	1.1	3

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15959	A postbiotic from <i>Aspergillus oryzae</i> attenuates the impact of heat stress in ectothermic and endothermic organisms. <i>Scientific Reports</i> , 2021, 11, 6407.	1.6	14

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15981	Transcriptome analysis of ciliary-dependent MCH signaling in differentiating 3T3-L1 pre-adipocytes. <i>Scientific Reports</i> , 2021, 11, 4880.	1.6	4
15983	Comparative transcriptome and metabolome analysis of <i>Ostrinia furnacalis</i> female adults under UV-A exposure. <i>Scientific Reports</i> , 2021, 11, 6797.	1.6	8
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15989	Heparanase expression and activity are increased in platelets during clinical sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1319-1330.	1.9	15
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15995	Monocyte-derived S1P in the lymph node regulates immune responses. <i>Nature</i> , 2021, 592, 290-295.	13.7	35
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16005	Genetic loci mediating circadian clock output plasticity and crop productivity under barley domestication. <i>New Phytologist</i> , 2021, 230, 1787-1801.	3.5	14
16007	Hemoglobin Induces Early and Robust Biofilm Development in <i>Streptococcus pneumoniae</i> by a Pathway That Involves <i>comC</i> but Not the Cognate <i>comDE</i> Two-Component System. <i>Infection and Immunity</i> , 2021, 89, .	1.0	9
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16016	LINC01977 Promotes Breast Cancer Progression and Chemoresistance to Doxorubicin by Targeting miR-212-3p/GOLM1 Axis. <i>Frontiers in Oncology</i> , 2021, 11, 657094.	1.3	14
16017	Predicting transcriptional responses to cold stress across plant species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	46
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16019	Absence of RNA-binding protein FXR2P prevents prolonged phase of kainate-induced seizures. <i>EMBO Reports</i> , 2021, 22, e51404.	2.0	4
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16024	Early germline differentiation in bivalves: TDRD7 as a candidate investigational unit for <i>Ruditapes philippinarum</i> germ granule assembly. <i>Histochemistry and Cell Biology</i> , 2021, 156, 19-34.	0.8	1
16025	Antagonistic roles for Ataxin-2 structured and disordered domains in RNP condensation. <i>ELife</i> , 2021, 10, .	2.8	17
16027	Transportome-wide engineering of <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2021, 64, 52-63.	3.6	27
16028	Identification of microorganisms responsible for foam formation in mesophilic anaerobic digesters treating surplus activated sludge. <i>Water Research</i> , 2021, 191, 116779.	5.3	18
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16031	Longitudinal profiling of circulating miRNA during cardiac allograft rejection: a proof-of-concept study. <i>ESC Heart Failure</i> , 2021, 8, 1840-1849.	1.4	8
16032	Endometrium On-a-Chip Reveals Insulin- and Glucose-induced Alterations in the Transcriptome and Proteomic Secretome. <i>Endocrinology</i> , 2021, 162, .	1.4	18
16033	Implication of TIGIT+ human memory B cells in immune regulation. <i>Nature Communications</i> , 2021, 12, 1534.	5.8	41
16034	<i>Candida</i> pathogens induce protective mitochondria-associated type I interferon signalling and a damage-driven response in vaginal epithelial cells. <i>Nature Microbiology</i> , 2021, 6, 643-657.	5.9	49
16035	The Effects of Artificially Dosed Adult Rumen Contents on Abomasum Transcriptome and Associated Microbial Community Structure in Calves. <i>Genes</i> , 2021, 12, 424.	1.0	2
16036	In vivo CD8+ T cell CRISPR screening reveals control by Fli1 in infection and cancer. <i>Cell</i> , 2021, 184, 1262-1280.e22.	13.5	107

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16038	Transcriptomic analysis revealed distinctive modulations of arbuscular mycorrhizal fungi inoculation in halophyte <i>Suaeda salsa</i> under moderate salt conditions. <i>Environmental and Experimental Botany</i> , 2021, 183, 104337.	2.0	17
16039	Gene Expression Analysis Suggests Immunological Changes of Peripheral Blood Monocytes in the Progression of Patients With Coronary Artery Disease. <i>Frontiers in Genetics</i> , 2021, 12, 641117.	1.1	8
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16125	Transcriptomic analysis reveals potential pathways associated with salt resistance in pecan ( <i>Carya</i> ). <i>Journal of Experimental Botany</i> , 2021, 72, 1071-1081.	1.5	9
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16135	Identification of hub genes associated with neutrophils infiltration in colorectal cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3371-3380.	1.6	15
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16148	Transcriptome Analysis Identifies Candidate Genes and Signaling Pathways Associated With Feed Efficiency in Xiayan Chicken. <i>Frontiers in Genetics</i> , 2021, 12, 607719.	1.1	12
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16153	Transcriptional regulation of alcohol induced liver fibrosis in a translational porcine hepatocellular carcinoma model. <i>Biochimie</i> , 2021, 182, 73-84.	1.3	7
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16161	Integrative Genomic Analysis of Gemcitabine Resistance in Pancreatic Cancer by Patient-derived Xenograft Models. <i>Clinical Cancer Research</i> , 2021, 27, 3383-3396.	3.2	36
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16164	Mutant Huntingtin stalls ribosomes and represses protein synthesis in a cellular model of Huntington disease. <i>Nature Communications</i> , 2021, 12, 1461.	5.8	65
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16168	Rapid transcriptional and metabolic adaptation of intestinal microbes to host immune activation. <i>Cell Host and Microbe</i> , 2021, 29, 378-393.e5.	5.1	52
16169	The transcriptional landscape of <i>Arabidopsis thaliana</i> pattern-triggered immunity. <i>Nature Plants</i> , 2021, 7, 579-586.	4.7	172
16170	The ChAT-acetylcholine pathway promotes group 2 innate lymphoid cell responses and anti-helminth immunity. <i>Science Immunology</i> , 2021, 6, .	5.6	59
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16184	Phosphatidylinositol-3 kinase signaling controls survival and stemness of hematopoietic stem and progenitor cells. <i>Oncogene</i> , 2021, 40, 2741-2755.	2.6	3
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16188	<i>Paxbp1</i> controls a key checkpoint for cell growth and survival during early activation of quiescent muscle satellite cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	11
16189	Dynamic Expression of Imprinted Genes in the Developing and Postnatal Pituitary Gland. <i>Genes</i> , 2021, 12, 509.	1.0	9
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16192	Genetic Characterization of a <i>Fusarium</i> Head Blight Resistance QTL from <i>Triticum turgidum</i> ssp. <i>dicoccoides</i> . <i>Plant Molecular Biology Reporter</i> , 0, , 1.	1.0	2
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16196	<i>TSC1</i> Affects the Process of Renal Ischemia-Reperfusion Injury by Controlling Macrophage Polarization. <i>Frontiers in Immunology</i> , 2021, 12, 637335.	2.2	14
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16204	The Perils of Navigating Activity-Dependent Alternative Splicing of Neurexins. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 659681.	1.4	10
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16214	Candidate genes involved in cuticular hydrocarbon differentiation between cryptic, parabiocotic ant species. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	3
16215	Reproducing diabetic retinopathy features using newly developed human induced pluripotent stem cell-derived retinal Müller glial cells. <i>Glia</i> , 2021, 69, 1679-1693.	2.5	11

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16218	Barcoded oligonucleotides ligated on RNA amplified for multiplexed and parallel <i>in situ</i> analyses. <i>Nucleic Acids Research</i> , 2021, 49, e58-e58.	6.5	39
16219	Multi-cell type gene coexpression network analysis reveals coordinated interferon response and cross-cell type correlations in systemic lupus erythematosus. <i>Genome Research</i> , 2021, 31, 659-676.	2.4	23
16220	A human stem cell-derived test system for agents modifying neuronal N-methyl-d-aspartate-type glutamate receptor Ca <sup>2+</sup> -signalling. <i>Archives of Toxicology</i> , 2021, 95, 1703-1722.	1.9	11
16222	Resolving trained immunity with systems biology. <i>European Journal of Immunology</i> , 2021, 51, 773-784.	1.6	8
16223	Genomic, Transcriptomic, and Proteomic Profiling of Metastatic Breast Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 3243-3252.	3.2	14
16224	The AP-1 transcription factors c-Jun and JunB are essential for CD8 <sup>+</sup> conventional dendritic cell identity. <i>Cell Death and Differentiation</i> , 2021, 28, 2404-2420.	5.0	18
16225	Human Wharton's Jelly Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles Drive Oligodendroglial Maturation by Restraining MAPK/ERK and Notch Signaling Pathways. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 622539.	1.8	13
16226	Protocol for assaying chromatin accessibility using ATAC-seq in plants. <i>STAR Protocols</i> , 2021, 2, 100289.	0.5	3
16227	Transcriptomic studies on <i>Purpureocillium lilacinum</i> reveal molecular mechanisms of response to fluconazole and itraconazole. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 491-501.	0.8	1
16228	SOX9 modulates cancer biomarker and cilia genes in pancreatic cancer. <i>Human Molecular Genetics</i> , 2021, 30, 485-499.	1.4	7
16229	Antiretroviral Treatment-Induced Decrease in Immune Activation Contributes to Reduced Susceptibility to Tuberculosis in HIV-1/ <i>Mtb</i> Co-infected Persons. <i>Frontiers in Immunology</i> , 2021, 12, 645446.	2.2	5
16231	Regulation of endoplasmic reticulum stress and trophectoderm lineage specification by the mevalonate pathway in the mouse preimplantation embryo. <i>Molecular Human Reproduction</i> , 2021, 27, .	1.3	4
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16236	Temporal dissection of an enhancer cluster reveals distinct temporal and functional contributions of individual elements. <i>Molecular Cell</i> , 2021, 81, 969-982.e13.	4.5	47
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16239	ODC (Ornithine Decarboxylase)-Dependent Putrescine Synthesis Maintains MerTK (MER) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Biology</i> , 2021, 41, e144-e159.	1.1	23
16240	Gene co-expression analysis of tomato seed maturation reveals tissue-specific regulatory networks and hubs associated with the acquisition of desiccation tolerance and seed vigour. <i>BMC Plant Biology</i> , 2021, 21, 124.	1.6	15
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16410	Reduced Nucleoprotein Availability Impairs Negative-Sense RNA Virus Replication and Promotes Host Recognition. <i>Journal of Virology</i> , 2021, 95, .	1.5	26
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16413	The chromatin remodeler DDM1 prevents transposon mobility through deposition of histone variant H2A.W. <i>Nature Cell Biology</i> , 2021, 23, 391-400.	4.6	73
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16420	High-throughput fitness screening and transcriptomics identify a role for a type IV secretion system in the pathogenesis of Crohn's disease-associated <i>Escherichia coli</i> . <i>Nature Communications</i> , 2021, 12, 2032.	5.8	38
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17137	Association of preoperative infections, nasal <i>Staphylococcus aureus</i> colonization and gut microbiota with left ventricular assist device outcomes. <i>European Journal of Heart Failure</i> , 2021, 23, 1404-1415.	2.9	9
17139	Experimental and natural evidence of SARS-CoV-2-infection-induced activation of type I interferon responses. <i>IScience</i> , 2021, 24, 102477.	1.9	49
17140	The liver-clock coordinates rhythmicity of peripheral tissues in response to feeding. <i>Nature Metabolism</i> , 2021, 3, 829-842.	5.1	70
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17144	MIR-NATs repress MAPT translation and aid proteostasis in neurodegeneration. <i>Nature</i> , 2021, 594, 117-123.	13.7	29
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17147	Declining lamin B1 expression mediates age-dependent decreases of hippocampal stem cell activity. <i>Cell Stem Cell</i> , 2021, 28, 967-977.e8.	5.2	40
17148	Separating measurement and expression models clarifies confusion in single-cell RNA sequencing analysis. <i>Nature Genetics</i> , 2021, 53, 770-777.	9.4	112
17149	TOP1 inhibition therapy protects against SARS-CoV-2-induced lethal inflammation. <i>Cell</i> , 2021, 184, 2618-2632.e17.	13.5	80
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17153	Microbial Sharing between Pediatric Patients and Therapy Dogs during Hospital Animal-Assisted Intervention Programs. <i>Microorganisms</i> , 2021, 9, 1054.	1.6	9
17155	Ultraviolet light-induced collagen degradation inhibits melanoma invasion. <i>Nature Communications</i> , 2021, 12, 2742.	5.8	25
17156	Tumor subtype defines distinct pathways of molecular and clinical progression in primary prostate cancer. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	17
17158	Pharmacological activation of STING blocks SARS-CoV-2 infection. <i>Science Immunology</i> , 2021, 6, .	5.6	123
17159	Functional mapping of androgen receptor enhancer activity. <i>Genome Biology</i> , 2021, 22, 149.	3.8	18
17160	Transcriptional Analysis of Liver Tissue Identifies Distinct Phenotypes of Indeterminate Pediatric Acute Liver Failure. <i>Hepatology Communications</i> , 2021, 5, 1373-1384.	2.0	15
17161	Protein composition and associated material properties of cobweb spidersâ€™ gumfoot glue droplets. <i>Integrative and Comparative Biology</i> , 2021, 61, 1459-1480.	0.9	10
17162	Leukemia stemness and co-occurring mutations drive resistance to IDH inhibitors in acute myeloid leukemia. <i>Nature Communications</i> , 2021, 12, 2607.	5.8	61



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17179	<i>Deinococcus radiodurans</i> UWO298 Dependence on Background Radiation for Optimal Growth. <i>Frontiers in Genetics</i> , 2021, 12, 644292.	1.1	7
17180	Cervical Cancer Stem-Like Cell Transcriptome Profiles Predict Response to Chemoradiotherapy. <i>Frontiers in Oncology</i> , 2021, 11, 639339.	1.3	6

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17188	Characterization of the differential expressed genes and transcriptomic pathway analysis in the liver of sub-adult red drum ( <i>Sciaenops ocellatus</i> ) exposed to Deepwater Horizon chemically dispersed oil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112098.	2.9	2
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17212	Cabozantinib and dasatinib synergize to induce tumor regression in non-clear cell renal cell carcinoma. <i>Cell Reports Medicine</i> , 2021, 2, 100267.	3.3	4
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17238	Unsupervised tensor decomposition-based method to extract candidate transcription factors as histone modification bookmarks in post-mitotic transcriptional reactivation. <i>PLoS ONE</i> , 2021, 16, e0251032.	1.1	3
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17262	Transcriptional Start Site Coverage Analysis in Plasma Cell-Free DNA Reveals Disease Severity and Tissue Specificity of COVID-19 Patients. <i>Frontiers in Genetics</i> , 2021, 12, 663098.	1.1	4
17263	Phenotypic Characterization and Differential Gene Expression Analysis Reveal That Dwarf Mutant <i>dwf</i> Dwarfism Is Associated with Gibberellin in Eggplant. <i>Horticulturae</i> , 2021, 7, 114.	1.2	5
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17279	SARS-CoV-2 infects human adult donor eyes and hESC-derived ocular epithelium. <i>Cell Stem Cell</i> , 2021, 28, 1205-1220.e7.	5.2	44
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17307	UMI4Cats: an R package to analyze chromatin contact profiles obtained by UMI-4C. <i>Bioinformatics</i> , 2021, 37, 4240-4242.	1.8	3
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17309	Identification of diagnostic markers and lipid dysregulation in oesophageal squamous cell carcinoma through lipidomic analysis and machine learning. <i>British Journal of Cancer</i> , 2021, 125, 351-357.	2.9	10
17310	The epigenetic regulator G9a attenuates stress-induced resistance and metabolic transcriptional programs across different stressors and species. <i>BMC Biology</i> , 2021, 19, 112.	1.7	10
17312	Dynamics of cattle sperm sncRNAs during maturation, from testis to ejaculated sperm. <i>Epigenetics and Chromatin</i> , 2021, 14, 24.	1.8	21
17313	Targeting Smyd3 by next-generation antisense oligonucleotides suppresses liver tumor growth. <i>IScience</i> , 2021, 24, 102473.	1.9	6
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17509	SARS-CoV-2 infection of primary human lung epithelium for COVID-19 modeling and drug discovery. <i>Cell Reports</i> , 2021, 35, 109055.	2.9	186
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17592	Duvernoy's Gland Transcriptomics of the Plains Black-Headed Snake, <i>Tantilla nigriceps</i> (Squamata), <i>TJ ETQq0 0 0 rgBT /Overlock 10 T</i>	1.5	7
17593	Altered transcriptome in cumulus cells of infertile women with advanced endometriosis with and without endometrioma. <i>Reproductive BioMedicine Online</i> , 2021, 42, 952-962.	1.1	7
17594	Systemic and adipocyte transcriptional and metabolic dysregulation in idiopathic intracranial hypertension. <i>JCI Insight</i> , 2021, 6, .	2.3	45
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17628	Whole transcriptome RNA-seq reveals key regulatory factors involved in type 2 diabetes pathology in peripheral fat of Asian Indians. <i>Scientific Reports</i> , 2021, 11, 10632.	1.6	10
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17655	Enhancers are activated by p300/CBP activity-dependent PIC assembly, RNAPII recruitment, and pause release. <i>Molecular Cell</i> , 2021, 81, 2166-2182.e6.	4.5	94
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17657	Chemical-genetic interrogation of RNA polymerase mutants reveals structure-function relationships and physiological tradeoffs. <i>Molecular Cell</i> , 2021, 81, 2201-2215.e9.	4.5	10
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17659	Comparative analysis reveals distinctive epigenetic features of the human cerebellum. <i>PLoS Genetics</i> , 2021, 17, e1009506.	1.5	12
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17661	Genomic and proteomic profiles of biofilms on microplastics are decoupled from artificial surface properties. <i>Environmental Microbiology</i> , 2021, 23, 3099-3115.	1.8	43
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17687	Transcriptomics analysis of differentially expressed genes in subcutaneous and perirenal adipose tissue of sheep as affected by their pre- and early postnatal malnutrition histories. <i>BMC Genomics</i> , 2021, 22, 338.	1.2	7
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17707	Transcriptional and epi-transcriptional dynamics of SARS-CoV-2 during cellular infection. <i>Cell Reports</i> , 2021, 35, 109108.	2.9	25
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17758	Vaccine-induced ICOS+CD38+ circulating Tfh are sensitive biosensors of age-related changes in inflammatory pathways. <i>Cell Reports Medicine</i> , 2021, 2, 100262.	3.3	26
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17787	Radiomics and gene expression profile to characterise the disease and predict outcome in patients with lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3643-3655.	3.3	53
17788	Programmable RNA editing with compact CRISPR-“Cas13 systems from uncultivated microbes. <i>Nature Methods</i> , 2021, 18, 499-506.	9.0	182
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17792	Robust single-cell discovery of RNA targets of RNA-binding proteins and ribosomes. <i>Nature Methods</i> , 2021, 18, 507-519.	9.0	77
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17837	Circulating bacterial signature is linked to metabolic disease and shifts with metabolic alleviation after bariatric surgery. <i>Genome Medicine</i> , 2021, 13, 105.	3.6	14
17838	High-fat diet-activated fatty acid oxidation mediates intestinal stemness and tumorigenicity. <i>Cell Reports</i> , 2021, 35, 109212.	2.9	85
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17851	Translation and codon usage regulate Argonaute slicer activity to trigger small RNA biogenesis. <i>Nature Communications</i> , 2021, 12, 3492.	5.8	24
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17869	Inhibition of c-Fos expression attenuates IgE-mediated mast cell activation and allergic inflammation by counteracting an inhibitory AP1/Egr1/IL-4 axis. <i>Journal of Translational Medicine</i> , 2021, 19, 261.	1.8	25
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17871	Direct derivation of human alveolospheres for SARS-CoV-2 infection modeling and drug screening. <i>Cell Reports</i> , 2021, 35, 109218.	2.9	38
17872	ELV-N32 and RvD6 isomer decrease pro-inflammatory cytokines, senescence programming, ACE2 and SARS-CoV-2-spike protein RBD binding in injured cornea. <i>Scientific Reports</i> , 2021, 11, 12787.	1.6	11
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17876	Endothelial SOCS3 maintains homeostasis and promotes survival in endotoxemic mice. <i>JCI Insight</i> , 2021, 6, .	2.3	20
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18057	Implementation of fecal microbiota transplantation in a medical center for recurrent or refractory <i>Clostridioides difficile</i> infection and report of preliminary outcome. <i>Biomedical Journal</i> , 2022, 45, 504-511.	1.4	7

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18063	Impact of Interleukin 10 Deficiency on Intestinal Epithelium Responses to Inflammatory Signals. <i>Frontiers in Immunology</i> , 2021, 12, 690817.	2.2	13
18065	Melanoma dedifferentiation induced by IFN- $\gamma$ epigenetic remodeling in response to anti-PD-1 therapy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	35
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18067	Transcriptome-wide association study of post-trauma symptom trajectories identified GRIN3B as a potential biomarker for PTSD development. <i>Neuropsychopharmacology</i> , 2021, 46, 1811-1820.	2.8	15
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18081	Protein and Microbial Biomarkers in Sputum Discern Acute and Latent Tuberculosis in Investigation of Pastoral Ethiopian Cohort. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 595554.	1.8	5
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18106	TDP-43 stabilizes <i>G3BP1</i> mRNA: relevance to amyotrophic lateral sclerosis/frontotemporal dementia. <i>Brain</i> , 2021, 144, 3461-3476.	3.7	22
18107	Splice site m6A methylation prevents binding of U2AF35 to inhibit RNA splicing. <i>Cell</i> , 2021, 184, 3125-3142.e25.	13.5	103
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18130	Systems Biomedicine of Primary and Metastatic Colorectal Cancer Reveals Potential Therapeutic Targets. <i>Frontiers in Oncology</i> , 2021, 11, 597536.	1.3	9
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18144	Lithium increases mitochondrial respiration in iPSC-derived neural precursor cells from lithium responders. <i>Molecular Psychiatry</i> , 2021, 26, 6789-6805.	4.1	29
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18151	The transcriptome of anal papillae of <i>Aedes aegypti</i> reveals their importance in xenobiotic detoxification and adds significant knowledge on ion, water and ammonia transport mechanisms. <i>Journal of Insect Physiology</i> , 2021, 132, 104269.	0.9	14
18152	Stromal interaction molecule 1 (STIM1) knock down attenuates invasion and proliferation and enhances the expression of thyroid-specific proteins in human follicular thyroid cancer cells. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5827-5846.	2.4	10
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18154	Plasma Testosterone Levels and Atherosclerotic Plaque Gene Expression in Men With Advanced Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 693351.	1.1	3
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18166	HLA-DR Marks Recently Divided Antigen-Specific Effector CD4 T Cells in Active Tuberculosis Patients. <i>Journal of Immunology</i> , 2021, 207, 523-533.	0.4	33
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18215	Impairing flow-mediated endothelial remodeling reduces extravasation of tumor cells. <i>Scientific Reports</i> , 2021, 11, 13144.	1.6	12
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18408	Transcriptome Analysis of Oleaginous Fungus <i>Mucor circinelloides</i> WJ11 in Response to Exogenous Soybean Oil as Carbon Source. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110233.	0.2	4
18409	RUNX1-mediated alpha herpesvirus-host trans-species chromatin interaction promotes viral transcription. <i>Science Advances</i> , 2021, 7, .	4.7	11
18410	Identifying ceRNA Networks Associated With the Susceptibility and Persistence of Atrial Fibrillation Through Weighted Gene Co-Expression Network Analysis. <i>Frontiers in Genetics</i> , 2021, 12, 653474.	1.1	9
18411	Integrated Analysis of microRNA and mRNA Transcriptome Reveals the Molecular Mechanism of <i>Solanum lycopersicum</i> Response to <i>Bemisia tabaci</i> and Tomato chlorosis virus. <i>Frontiers in Microbiology</i> , 2021, 12, 693574.	1.5	5
18412	Transcriptome Analysis of Microglia Reveals That the TLR2/IRF7 Signaling Axis Mediates Neuroinflammation After Subarachnoid Hemorrhage. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 645649.	1.7	7
18414	Analysis of H3K4me3-ChIP-Seq and RNA-Seq data to understand the putative role of miRNAs and their target genes in breast cancer cell lines. <i>Genomics and Informatics</i> , 2021, 19, e17.	0.4	1
18415	Defining the resilience of the human salivary microbiota by a 520-day longitudinal study in a confined environment: the Mars500 mission. <i>Microbiome</i> , 2021, 9, 152.	4.9	5
18416	An SNP Mutation of Gene RsPP Converts Petal Color From Purple to White in Radish ( <i>Raphanus sativus</i> ) Tj ETQq0 0,0,rgBT /Overlock 10	1.7	1
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18418	Role of Long Noncoding RNAs ZIMSTRG.11348 and UeMSTRG.02678 in Temperature-Dependent Culm Swelling in <i>Zizania latifolia</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6020.	1.8	1
18419	Chamber-enriched gene expression profiles in failing human hearts with reduced ejection fraction. <i>Scientific Reports</i> , 2021, 11, 11839.	1.6	14
18420	Triple RNA-Seq characterizes aphid gene expression in response to infection with unequally virulent strains of the endosymbiont <i>Hamiltonella defensa</i> . <i>BMC Genomics</i> , 2021, 22, 449.	1.2	10
18421	Olfactory expression of trace amine-associated receptors requires cooperative cis-acting enhancers. <i>Nature Communications</i> , 2021, 12, 3797.	5.8	6
18422	PagERF16 of <i>Populus</i> Promotes Lateral Root Proliferation and Sensitizes to Salt Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 669143.	1.7	14
18423	Combined gene family characterization and RNA-Seq to study the response of $\hat{1}^2$ -ketoacyl-CoA synthase to abiotic stress in rice ( <i>Oryza sativa</i> L.). <i>Plant Growth Regulation</i> , 2021, 95, 97-110.	1.8	1
18424	MYC-Mediated Ribosomal Gene Expression Sensitizes Enzalutamide-resistant Prostate Cancer Cells to EP300/CREBBP Inhibitors. <i>American Journal of Pathology</i> , 2021, 191, 1094-1107.	1.9	14
18426	A Bayesian Nonparametric Analysis for Zero-Inflated Multivariate Count Data with Application to Microbiome Study. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2021, 70, 961-979.	0.5	4



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18428	High Neutrophil to Lymphocyte Ratio and Its Gene Signatures Correlate With Diastolic Dysfunction in Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 614757.	1.1	19
18429	Profiling of Extracellular Small RNAs Highlights a Strong Bias towards Non-Vesicular Secretion. <i>Cells</i> , 2021, 10, 1543.	1.8	11
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18432	Critical COVID-19 is associated with distinct leukocyte phenotypes and transcriptome patterns. <i>Journal of Internal Medicine</i> , 2021, 290, 677-692.	2.7	20
18433	HIV-1 Vpr Induces Widespread Transcriptomic Changes in CD4 <sup>+</sup> T Cells Early Postinfection. <i>MBio</i> , 2021, 12, e0136921.	1.8	12
18434	Deep and accurate detection of m6A RNA modifications using miCLIP2 and m6Aboost machine learning. <i>Nucleic Acids Research</i> , 2021, 49, e92-e92.	6.5	50
18436	Spatial abundance and distribution of picocyanobacterial communities in two contrasting lakes revealed using environmental DNA metabarcoding. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	7
18437	TimeCycle: topology inspired method for the detection of cycling transcripts in circadian time-series data. <i>Bioinformatics</i> , 2021, 37, 4405-4413.	1.8	3
18438	MHC class I H2-Kb negatively regulates neural progenitor cell proliferation by inhibiting FGFR signaling. <i>PLoS Biology</i> , 2021, 19, e3001311.	2.6	14
18439	miRNAs generated from Meg3-Mirg locus are downregulated during aging. <i>Aging</i> , 2021, 13, 15875-15897.	1.4	2
18441	An In Vitro Model of Avian Skin Reveals Evolutionarily Conserved Transcriptional Regulation of Epidermal Barrier Formation. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2829-2837.	0.3	6
18442	Neonatal susceptibility to meningitis results from the immaturity of epithelial barriers and gut microbiota. <i>Cell Reports</i> , 2021, 35, 109319.	2.9	26
18443	Revealing molecular pathways for cancer cell fitness through a genetic screen of the cancer transcriptome. <i>Cell Reports</i> , 2021, 35, 109321.	2.9	8
18444	Comparative Transcriptome Analysis Provides Insights into Response of <i>Ulva compressa</i> to Fluctuating Salinity Conditions. <i>Journal of Phycology</i> , 2021, 57, 1295-1308.	1.0	9
18445	SDImpute: A statistical block imputation method based on cell-level and gene-level information for dropouts in single-cell RNA-seq data. <i>PLoS Computational Biology</i> , 2021, 17, e1009118.	1.5	8
18446	Effects of Atlantic salmon ( <i>Salmo salar</i> ) fed low- and high HUFA diets on growth and midgut intestinal health. <i>Aquaculture</i> , 2021, 539, 736653.	1.7	13

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18449	Genetic and molecular determinants of polymicrobial interactions in <i>Fusobacterium nucleatum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	36
18450	Reshaping of bacterial molecular hydrogen metabolism contributes to the outgrowth of commensal <i>E. coli</i> during gut inflammation. <i>ELife</i> , 2021, 10, .	2.8	9
18452	Changes in Digestive Microbiota, Rumen Fermentations and Oxidative Stress around Parturition Are Alleviated by Live Yeast Feed Supplementation to Gestating Ewes. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 447.	1.5	8
18456	Spatial distribution of LTi-like cells in intestinal mucosa regulates type 3 innate immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
18457	Transcriptome analysis of gene expression changes upon enzymatic dissociation in skeletal myoblasts. <i>Genes To Cells</i> , 2021, 26, 530-540.	0.5	6
18458	Identifying molecular targets for reverse aging using integrated network analysis of transcriptomic and epigenomic changes during aging. <i>Scientific Reports</i> , 2021, 11, 12317.	1.6	8
18459	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
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18468	Construction and Validation of an Autophagy-Related Prognostic Signature and a Nomogram for Bladder Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 632387.	1.3	5
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18471	Bioinformatics analysis of the key potential ceRNA biomarkers in human thymic epithelial tumors. <i>Medicine (United States)</i> , 2021, 100, e26271.	0.4	4
18472	Loss of zebrafish <i>atp6v1e1b</i> , encoding a subunit of vacuolar ATPase, recapitulates human ARCL type 2C syndrome and identifies multiple pathobiological signatures. <i>PLoS Genetics</i> , 2021, 17, e1009603.	1.5	3
18473	Changes in soil microbial community and activity caused by application of dimethachlor and linuron. <i>Scientific Reports</i> , 2021, 11, 12786.	1.6	20
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18477	Microglia show differential transcriptomic response to A $\beta$ peptide aggregates ex vivo and in vivo. <i>Life Science Alliance</i> , 2021, 4, e202101108.	1.3	17

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18479	Commercially Available Blocking Oligonucleotides Effectively Suppress Unwanted Hemolysis-Related miRNAs in a Large Whole-Blood RNA Cohort. <i>Journal of Molecular Diagnostics</i> , 2021, 23, 671-682.	1.2	8
18480	The Mediator complex kinase module is necessary for fructose regulation of liver glycogen levels through induction of glucose-6-phosphatase catalytic subunit (G6pc). <i>Molecular Metabolism</i> , 2021, 48, 101227.	3.0	5
18482	LncRNA DINOR is a virulence factor and global regulator of stress responses in <i>Candida auris</i> . <i>Nature Microbiology</i> , 2021, 6, 842-851.	5.9	31
18483	Meta-analysis of RNA-Seq studies reveals genes with dominant functions during flower bud endo- to eco-dormancy transition in <i>Prunus</i> species. <i>Scientific Reports</i> , 2021, 11, 13173.	1.6	9
18485	MyD88 signaling by neurons induces chemokines that recruit protective leukocytes to the virus-infected CNS. <i>Science Immunology</i> , 2021, 6, .	5.6	12
18486	Using Cell Type-Specific Genes to Identify Cell-Type Transitions Between Different in vitro Culture Conditions. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 644261.	1.8	1
18487	Identification and Comparative Analysis of Long Non-coding RNAs in High- and Low-Fecundity Goat Ovaries During Estrus. <i>Frontiers in Genetics</i> , 2021, 12, 648158.	1.1	4
18489	Identification of ferroptosis as a novel mechanism for antitumor activity of natural product derivative a2 in gastric cancer. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1513-1525.	5.7	42
18490	Protein mimetic amyloid inhibitor potently abrogates cancer-associated mutant p53 aggregation and restores tumor suppressor function. <i>Nature Communications</i> , 2021, 12, 3962.	5.8	53
18492	CDX2 expression in the hematopoietic lineage promotes leukemogenesis via TGF $\beta$ 2 inhibition. <i>Molecular Oncology</i> , 2021, 15, 2318-2329.	2.1	6
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18494	RNAseq and quantitative proteomic analysis of <i>Dictyostelium</i> knock-out cells lacking the core autophagy proteins ATG9 and/or ATG16. <i>BMC Genomics</i> , 2021, 22, 444.	1.2	7
18495	The role of Sp140 revealed in IgE and mast cell responses in Collaborative Cross mice. <i>JCI Insight</i> , 2021, 6, .	2.3	8
18497	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -Dioxin (TCDD)-Inducible Poly-ADP-Ribose Polymerase (TIPARP/PARP7) Catalytic Mutant Mice ( <i>Tiparp</i> H532A) Exhibit Increased Sensitivity to TCDD-Induced Hepatotoxicity and Lethality. <i>Toxicological Sciences</i> , 2021, 183, 154-169.	1.4	8
18498	The phenylpropanoid pathway inhibitor piperonylic acid induces broad-spectrum pest and disease resistance in plants. <i>Plant, Cell and Environment</i> , 2021, 44, 3122-3139.	2.8	31
18499	Single-Cell RNA Sequencing Uncovers Paracrine Functions of the Epicardial-Derived Cells in Arrhythmic Cardiomyopathy. <i>Circulation</i> , 2021, 143, 2169-2187.	1.6	22
18500	Replicative senescence dictates the emergence of disease-associated microglia and contributes to A $\beta$ pathology. <i>Cell Reports</i> , 2021, 35, 109228.	2.9	113

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18503	Transcription factor enrichment analysis (TFEA) quantifies the activity of multiple transcription factors from a single experiment. <i>Communications Biology</i> , 2021, 4, 661.	2.0	21
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18505	The RNA Atlas expands the catalog of human non-coding RNAs. <i>Nature Biotechnology</i> , 2021, 39, 1453-1465.	9.4	75
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18507	Human tRNAs with inosine 34 are essential to efficiently translate eukarya-specific low-complexity proteins. <i>Nucleic Acids Research</i> , 2021, 49, 7011-7034.	6.5	17
18508	Transcriptomic exploration of a high sucrose mutant in comparison with the low sucrose mother genotype in sugarcane during sugar accumulating stage. <i>GCB Bioenergy</i> , 2021, 13, 1448-1465.	2.5	11
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18511	Tumors exploit FTO-mediated regulation of glycolytic metabolism to evade immune surveillance. <i>Cell Metabolism</i> , 2021, 33, 1221-1233.e11.	7.2	138
18512	A phenotypically supervised single-cell analysis protocol to study within-cell-type heterogeneity of cultured mammalian cells. <i>STAR Protocols</i> , 2021, 2, 100561.	0.5	1
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18514	CRISPR screens in physiologic medium reveal conditionally essential genes in human cells. <i>Cell Metabolism</i> , 2021, 33, 1248-1263.e9.	7.2	77
18515	The amino acid substitution affects cellular response to mistranslation. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	10
18516	Fluctuating Environments Maintain Genetic Diversity through Neutral Fitness Effects and Balancing Selection. <i>Molecular Biology and Evolution</i> , 2021, 38, 4362-4375.	3.5	26
18517	Convergence of cytokine dysregulation and antibody deficiency in common variable immunodeficiency with inflammatory complications. <i>Journal of Allergy and Clinical Immunology</i> , 2021, , .	1.5	13
18518	Extensive remodeling of the extracellular matrix during aging contributes to age-dependent impairments of muscle stem cell functionality. <i>Cell Reports</i> , 2021, 35, 109223.	2.9	49

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18520	TERRA transcription destabilizes telomere integrity to initiate break-induced replication in human ALT cells. <i>Nature Communications</i> , 2021, 12, 3760.	5.8	60
18521	Dynamic innate immune response determines susceptibility to SARS-CoV-2 infection and early replication kinetics. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	139
18522	Whole-genome Sequencing of Follicular Thyroid Carcinomas Reveal Recurrent Mutations in MicroRNA Processing Subunit <i>DGCR8</i> . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3265-3282.	1.8	17
18523	imPlatelet classifier: image-converted RNA biomarker profiles enable blood-based cancer diagnostics. <i>Molecular Oncology</i> , 2021, 15, 2688-2701.	2.1	16
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18525	Apc-mutant cells act as supercompetitors in intestinal tumour initiation. <i>Nature</i> , 2021, 594, 436-441.	13.7	108
18526	Heteromeric HSFA2/HSFA3 complexes drive transcriptional memory after heat stress in Arabidopsis. <i>Nature Communications</i> , 2021, 12, 3426.	5.8	100
18527	A unified atlas of CD8 T cell dysfunctional states in cancer and infection. <i>Molecular Cell</i> , 2021, 81, 2477-2493.e10.	4.5	57
18529	Multi-omics profiling of living human pancreatic islet donors reveals heterogeneous beta cell trajectories towards type 2 diabetes. <i>Nature Metabolism</i> , 2021, 3, 1017-1031.	5.1	76
18530	Gene Expression and Survival of Acute Lymphoblastic Leukemia Cells After Allogeneic Transplant. <i>Anticancer Research</i> , 2021, 41, 2781-2793.	0.5	1
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18532	Foxp3 enhancers synergize to maximize regulatory T cell suppressive capacity. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	5
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18536	Insights Into the Mechanisms Implicated in <i>Pinus pinaster</i> Resistance to Pinewood Nematode. <i>Frontiers in Plant Science</i> , 2021, 12, 690857.	1.7	15
18537	Loss of Nnt Increases Expression of Oxidative Phosphorylation Complexes in C57BL/6J Hearts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6101.	1.8	6
18538	Gene expression changes and DNA damage after ex vivo exposure of peripheral blood cells to various CT photon spectra. <i>Scientific Reports</i> , 2021, 11, 12060.	1.6	7

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18541	Comparative transcriptome analysis reveals genes and pathways associated with anthocyanins in strawberry. <i>Journal of Berry Research</i> , 2021, 11, 317-332.	0.7	7
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18546	Transcriptome Profile Analysis of Strawberry Leaves Reveals Flowering Regulation under Blue Light Treatment. <i>International Journal of Genomics</i> , 2021, 2021, 1-18.	0.8	9
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18549	A protein interactions map of multiple organ systems associated with COVID-19 disease. <i>Genomics and Informatics</i> , 2021, 19, e14.	0.4	2
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18551	Micafungin-Induced Cell Wall Damage Stimulates Morphological Changes Consistent with Microcycle Conidiation in <i>Aspergillus nidulans</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 525.	1.5	6
18552	Sasso Pisano Geothermal Field Environment Harbours Diverse Ktedonobacteria Representatives and Illustrates Habitat-Specific Adaptations. <i>Microorganisms</i> , 2021, 9, 1402.	1.6	5
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18554	Multifaceted regulation of hepatic lipid metabolism by YY1. <i>Life Science Alliance</i> , 2021, 4, e202000928.	1.3	13
18555	Effect of mupirocin for <i>Staphylococcus aureus</i> decolonization on the microbiome of the nose and throat in community and nursing home dwelling adults. <i>PLoS ONE</i> , 2021, 16, e0252004.	1.1	4
18556	Computational systems biology approaches for modeling gene networks driving epithelial-mesenchymal transitions. <i>Computational and Systems Oncology</i> , 2021, 1, e1021.	1.1	12
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18558	T cells, particularly activated CD4+ cells, maintain anti-CD20-mediated NK cell viability and antibody dependent cellular cytotoxicity. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 237-249.	2.0	7
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18566	Establishment of a fluorescent reporter of RNA-polymerase II activity to identify dormant cells. <i>Nature Communications</i> , 2021, 12, 3318.	5.8	2
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18568	Adrenomedullin Expression Characterizes Leukemia Stem Cells and Associates With an Inflammatory Signature in Acute Myeloid Leukemia. <i>Frontiers in Oncology</i> , 2021, 11, 684396.	1.3	6
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18572	Comparative anatomical and transcriptomic analyses of the color variation of leaves in <i>Aquilaria sinensis</i> . <i>PeerJ</i> , 2021, 9, e11586.	0.9	1
18573	Cell-specific and divergent roles of the CD40L-CD40 axis in atherosclerotic vascular disease. <i>Nature Communications</i> , 2021, 12, 3754.	5.8	39
18574	How Machine Learning and Statistical Models Advance Molecular Diagnostics of Rare Disorders Via Analysis of RNA Sequencing Data. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 647277.	1.6	12
18575	Combining whole-cell patch clamp and dye loading in acute brain slices with bulk RNA sequencing in embryonic to aged mice. <i>STAR Protocols</i> , 2021, 2, 100439.	0.5	3
18576	Divergent immunometabolic changes in adipose tissue and skeletal muscle with ageing in healthy humans. <i>Journal of Physiology</i> , 2022, 600, 921-947.	1.3	18
18577	Intrinsically disordered Meninoma-1 stabilizes the BAF complex to cause AML. <i>Molecular Cell</i> , 2021, 81, 2332-2348.e9.	4.5	14
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18579	ORFik: a comprehensive R toolkit for the analysis of translation. <i>BMC Bioinformatics</i> , 2021, 22, 336.	1.2	16
18580	Physiological Characterization and Transcriptomic Properties of GnRH Neurons Derived From Human Stem Cells. <i>Endocrinology</i> , 2021, 162, .	1.4	10
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18771	Stress modulates Ahi1-dependent nuclear localization of ten-eleven translocation protein 2. <i>Human Molecular Genetics</i> , 2021, 30, 2149-2160.	1.4	10
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18790	Exploring metal ion metabolisms to improve xylose fermentation in <i>Saccharomyces Cerevisiae</i> . <i>Microbial Biotechnology</i> , 2021, 14, 2101-2115.	2.0	8
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18841	RNfuzzyApp: an R shiny RNA-seq data analysis app for visualisation, differential expression analysis, time-series clustering and enrichment analysis. <i>F1000Research</i> , 2021, 10, 654.	0.8	11
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18899	Fused Graphical Lasso Recovers Flowering Time Mutation Genes in <i>Arabidopsis thaliana</i> . <i>Inventions</i> , 2021, 6, 52.	1.3	2
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19109	Profiling of Primary and Mature miRNA Expression in Atherosclerosis-Associated Cell Types. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2149-2167.	1.1	17
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19241	Differential degradation of RNA species by autophagy-related pathways in Arabidopsis. <i>Journal of Experimental Botany</i> , 2021, 72, 6867-6881.	2.4	5
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19245	Single-cell transcriptome of bronchoalveolar lavage fluid reveals sequential change of macrophages during SARS-CoV-2 infection in ferrets. <i>Nature Communications</i> , 2021, 12, 4567.	5.8	43
19247	Exposure to Fine Particulate Matter Air Pollution Alters mRNA and miRNA Expression in Bone Marrow-Derived Endothelial Progenitor Cells from Mice. <i>Genes</i> , 2021, 12, 1058.	1.0	5
19248	Haplotype-resolved germline and somatic alterations in renal medullary carcinomas. <i>Genome Medicine</i> , 2021, 13, 114.	3.6	5
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19263	Sex-biased gene expression and recent sex chromosome turnover. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200107.	1.8	18
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19801	Comprehensive mapping of SARS-CoV-2 interactions in vivo reveals functional virus-host interactions. <i>Nature Communications</i> , 2021, 12, 5113.	5.8	53
19802	Comprehensive molecular profiling of UV-induced metastatic melanoma in Nme1/Nme2-deficient mice reveals novel markers of survival in human patients. <i>Oncogene</i> , 2021, 40, 6329-6342.	2.6	8
19803	Identification of a KLF5-dependent program and drug development for skeletal muscle atrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
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19994	The genetics and evolution of eye color in domestic pigeons ( <i>Columba livia</i> ). <i>PLoS Genetics</i> , 2021, 17, e1009770.	1.5	6
19995	A Hybrid Nanofiber/Paper Cell Culture Platform for Building a 3D Blood-Brain Barrier Model. <i>Small Methods</i> , 2021, 5, 2100592.	4.6	9
19996	Evading immune surveillance via tyrosine phosphorylation of nuclear PCNA. <i>Cell Reports</i> , 2021, 36, 109537.	2.9	6
19997	Soybean-Derived Antihypertensive Peptide LSW (Leu-Ser-Trp) Antagonizes the Damage of Angiotensin II to Vascular Endothelial Cells through the Trans-vesicular Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10536-10549.	2.4	16
19998	Coral microbiome manipulation elicits metabolic and genetic restructuring to mitigate heat stress and evade mortality. <i>Science Advances</i> , 2021, 7, .	4.7	114
19999	Conditional stomatal closure in a fern shares molecular features with flowering plant active stomatal responses. <i>Current Biology</i> , 2021, 31, 4560-4570.e5.	1.8	12
20000	Severe deficiency of the voltage-gated sodium channel NaV1.2 elevates neuronal excitability in adult mice. <i>Cell Reports</i> , 2021, 36, 109495.	2.9	43
20001	A bacterial effector protein uncovers a plant metabolic pathway involved in tolerance to bacterial wilt disease. <i>Molecular Plant</i> , 2021, 14, 1281-1296.	3.9	34
20002	Changes in the Fecal Microbiota Associated with a Broad-Spectrum Antimicrobial Administration in Hospitalized Neonatal Foals with Probiotics Supplementation. <i>Animals</i> , 2021, 11, 2283.	1.0	2

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20003	Neonatal exposure to a wild-derived microbiome protects mice against diet-induced obesity. <i>Nature Metabolism</i> , 2021, 3, 1042-1057.	5.1	23
20004	The memory of neuronal mitochondrial stress is inherited transgenerationally via elevated mitochondrial DNA levels. <i>Nature Cell Biology</i> , 2021, 23, 870-880.	4.6	53
20005	Transcriptional landscape of cellular networks reveal interactions driving the dormancy mechanisms in cancer. <i>Scientific Reports</i> , 2021, 11, 15806.	1.6	6
20006	The Plant Salicylic Acid Signalling Pathway Regulates the Infection of a Biotrophic Pathogen in Grasses Associated with an <i>Epichloa</i> Endophyte. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 633.	1.5	32
20008	Excess dietary carbohydrate affects mitochondrial integrity as observed in brown adipose tissue. <i>Cell Reports</i> , 2021, 36, 109488.	2.9	11
20009	Integrative genomics reveals paths to sex dimorphism in <i>Salix purpurea</i> L. <i>Horticulture Research</i> , 2021, 8, 170.	2.9	12
20010	Genomic DNA methylation analysis reveals that BLNK is a key potential gene in the regulation of autophagy-related thyroid cancer progression. <i>Genome</i> , 2021, 64, 801-812.	0.9	2
20011	Aiolos regulates eosinophil migration into tissues. <i>Mucosal Immunology</i> , 2021, 14, 1271-1281.	2.7	10
20012	Generation of hiPSC-Derived Functional Dopaminergic Neurons in Alginate-Based 3D Culture. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 708389.	1.8	13
20013	The Transcriptomic Profile of Monocytes from Patients With Sjögren's Syndrome Is Associated With Inflammatory Parameters and Is Mimicked by Circulating Mediators. <i>Frontiers in Immunology</i> , 2021, 12, 701656.	2.2	13
20014	Association of CASC18/miR-20a-3p/TGFB2 ceRNA axis with occult lymph node metastasis in tongue squamous cell carcinoma. <i>Molecular Medicine</i> , 2021, 27, 85.	1.9	8
20015	Identification of Novel Metabolism-Associated Subtypes for Pancreatic Cancer to Establish an Eighteen-Gene Risk Prediction Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 691161.	1.8	6
20017	Interferon drives HCV scarring of the epigenome and creates targetable vulnerabilities following viral clearance. <i>Hepatology</i> , 2022, 75, 983-996.	3.6	15
20020	Integrated Analysis of mRNA and Non-coding RNA Transcriptome in Pepper ( <i>Capsicum chinense</i> ) Hybrid at Seedling and Flowering Stages. <i>Frontiers in Genetics</i> , 2021, 12, 685788.	1.1	15
20021	Overdominance at the Gene Expression Level Plays a Critical Role in the Hybrid Root Growth of <i>Brassica napus</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9246.	1.8	9
20022	Seeing the forest through the trees: prioritising potentially functional interactions from Hi-C. <i>Epigenetics and Chromatin</i> , 2021, 14, 41.	1.8	3
20025	Cardiac pathologies in mouse loss of imprinting models are due to misexpression of H19 long noncoding RNA. <i>ELife</i> , 2021, 10, .	2.8	8
20026	Lewy Body-like Inclusions in Human Midbrain Organoids Carrying Glucocerebrosidase and $\alpha$ -Synuclein Mutations. <i>Annals of Neurology</i> , 2021, 90, 490-505.	2.8	43



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20028	A Genomic Catalog of Stress Response Genes in Anaerobic Fungi for Applications in Bioproduction. <i>Frontiers in Fungal Biology</i> , 2021, 2, .	0.9	1
20030	Alpha-Synuclein-induced DNA Methylation and Gene Expression in Microglia. <i>Neuroscience</i> , 2021, 468, 186-198.	1.1	8
20031	Transcriptome analysis reveals the hepatoprotective mechanism of soybean meal peptides against alcohol-induced acute liver injury mice. <i>Food and Chemical Toxicology</i> , 2021, 154, 112353.	1.8	14
20032	IgG Immune Complexes Inhibit Na <sup>+</sup> ve T Cell Proliferation and Suppress Effector Function in Cytotoxic T Cells. <i>Frontiers in Immunology</i> , 2021, 12, 713704.	2.2	3
20033	Transcriptome Analysis in a Primary Human Muscle Cell Differentiation Model for Myotonic Dystrophy Type 1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8607.	1.8	9
20036	Evidence of disrupted rhombic lip development in the pathogenesis of Dandy-Walker malformation. <i>Acta Neuropathologica</i> , 2021, 142, 761-776.	3.9	15
20039	Cellular antioxidant mechanisms control immunoglobulin light chain-mediated proximal tubule injury. <i>Free Radical Biology and Medicine</i> , 2021, 171, 80-90.	1.3	1
20040	Detecting chromosomal interactions in Capture Hi-C data with CHiCAGO and companion tools. <i>Nature Protocols</i> , 2021, 16, 4144-4176.	5.5	21
20042	<i>Physcomitrium patens</i> Infection by <i>Colletotrichum gloeosporioides</i> : Understanding the Fungal-Bryophyte Interaction by Microscopy, Phenomics and RNA Sequencing. <i>Journal of Fungi (Basel)</i> , 2021, 7, 784314.	1.5	1
20043	In vitro Colon Fermentation of Soluble Arabinoxylan Is Modified Through Milling and Extrusion. <i>Frontiers in Nutrition</i> , 2021, 8, 707763.	1.6	10
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20045	Transcriptome Profiling Reveals Differential Gene Expression of Secreted Proteases and Highly Specific Gene Repertoires Involved in <i>Lactarius</i> - <i>Pinus</i> Symbioses. <i>Frontiers in Plant Science</i> , 2021, 12, 714393.	1.7	12
20046	Local Plants, Not Soils, Are the Primary Source of Foliar Fungal Community Assembly in a C4 Grass. <i>Microbial Ecology</i> , 2022, 84, 122-130.	1.4	4
20048	Acquired resistance to PRMT5 inhibition induces concomitant collateral sensitivity to paclitaxel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
20049	RNase III and RNase E Influence Posttranscriptional Regulatory Networks Involved in Virulence Factor Production, Metabolism, and Regulatory RNA Processing in <i>Bordetella pertussis</i> . <i>MSphere</i> , 2021, 6, e0065021.	1.3	3
20050	m <sup>6</sup> A-express: uncovering complex and condition-specific m <sup>6</sup> A regulation of gene expression. <i>Nucleic Acids Research</i> , 2021, 49, e116-e116.	6.5	24
20051	Secretome screening reveals immunomodulating functions of IFN- $\gamma$ , PAP and GDF-7 on regulatory T-cells. <i>Scientific Reports</i> , 2021, 11, 16767.	1.6	6

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20053	Combined genetic and chemical screens indicate protective potential for EGFR inhibition to cardiomyocytes under hypoxia. <i>Scientific Reports</i> , 2021, 11, 16661.	1.6	3
20054	Genome-wide identification and comparative analysis of Cry toxin receptor families in 7 insect species with a focus on <i>Spodoptera litura</i> . <i>Insect Science</i> , 2022, 29, 783-800.	1.5	6
20055	Assessment of reference genes at six different developmental stages of <i>Schistosoma mansoni</i> for quantitative RT-PCR. <i>Scientific Reports</i> , 2021, 11, 16816.	1.6	9
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20057	Genome-Resolved Metagenomics of the Chicken Gut Microbiome. <i>Frontiers in Microbiology</i> , 2021, 12, 726923.	1.5	30
20060	CD11b+ lung dendritic cells at different stages of maturation induce Th17 or Th2 differentiation. <i>Nature Communications</i> , 2021, 12, 5029.	5.8	34
20061	Identification of Circular RNA Expression Profiles in White Adipocytes and Their Roles in Adipogenesis. <i>Frontiers in Physiology</i> , 2021, 12, 728208.	1.3	9
20063	Krill Oil Treatment Increases Distinct PUFAs and Oxylipins in Adipose Tissue and Liver and Attenuates Obesity-Associated Inflammation via Direct and Indirect Mechanisms. <i>Nutrients</i> , 2021, 13, 2836.	1.7	16
20064	Exposure to Parasitic Protists and Helminths Changes the Intestinal Community Structure of Bacterial Communities in a Cohort of Mother-Child Binomials from a Semirural Setting in Mexico. <i>MSphere</i> , 2021, 6, e0008321.	1.3	9
20065	Searchlight: automated bulk RNA-seq exploration and visualisation using dynamically generated R scripts. <i>BMC Bioinformatics</i> , 2021, 22, 411.	1.2	10
20066	A systematic review of datasets that can help elucidate relationships among gene expression, race, and immunohistochemistry-defined subtypes in breast cancer. <i>Cancer Biology and Therapy</i> , 2021, 22, 1-13.	1.5	2
20067	Haplotype-Specific Expression Analysis of MHC Class II Genes in Healthy Individuals and Rheumatoid Arthritis Patients. <i>Frontiers in Immunology</i> , 2021, 12, 707217.	2.2	10
20069	Identification and Characterization of Pleiotropic High-Persistence Mutations in the Beta Subunit of the Bacterial RNA Polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0052221.	1.4	2
20070	Comparative transcriptomic analysis of SARS-CoV-2 infected cell model systems reveals differential innate immune responses. <i>Scientific Reports</i> , 2021, 11, 17146.	1.6	21
20071	The Marine Gastropod <i>Crepidula fornicata</i> Remains Resilient to Ocean Acidification Across Two Life History Stages. <i>Frontiers in Physiology</i> , 2021, 12, 702864.	1.3	5
20072	Identification of Dysregulated Mechanisms and Potential Biomarkers in Ischemic Stroke Onset. <i>International Journal of General Medicine</i> , 2021, Volume 14, 4731-4744.	0.8	5
20074	Selective Targeting of Class I Histone Deacetylases in a Model of Human Osteosarcoma. <i>Cancers</i> , 2021, 13, 4199.	1.7	7

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20076	Yippee like 4 (Ypel4) is essential for normal mouse red blood cell membrane integrity. <i>Scientific Reports</i> , 2021, 11, 15898.	1.6	6
20077	Multi-Tissue Transcriptomic-Informed In Silico Investigation of Drugs for the Treatment of Dengue Fever Disease. <i>Viruses</i> , 2021, 13, 1540.	1.5	1
20079	Cell-type-specific Hox regulatory strategies orchestrate tissue identity. <i>Current Biology</i> , 2021, 31, 4246-4255.e4.	1.8	40
20080	Molecular Subtypes of Oral Squamous Cell Carcinoma Based on Immunosuppression Genes Using a Deep Learning Approach. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 687245.	1.8	7
20083	Addiction-Associated Genetic Variants Implicate Brain Cell Type- and Region-Specific Cis-Regulatory Elements in Addiction Neurobiology. <i>Journal of Neuroscience</i> , 2021, 41, 9008-9030.	1.7	15
20086	Genetic and physiological traits conferring tolerance to ocean acidification in mesophotic corals. <i>Global Change Biology</i> , 2021, 27, 5276-5294.	4.2	13
20087	Neonatal Exposure to BPA, BDE-99, and PCB Produces Persistent Changes in Hepatic Transcriptome Associated With Gut Dysbiosis in Adult Mouse Livers. <i>Toxicological Sciences</i> , 2021, 184, 83-103.	1.4	10
20088	Identification of a novel 10 immune-related genes signature as a prognostic biomarker panel for gastric cancer. <i>Cancer Medicine</i> , 2021, 10, 6546-6560.	1.3	9
20089	Microaerobic Lifestyle at Nanomolar O <sub>2</sub> Concentrations Mediated by Low-Affinity Terminal Oxidases in Abundant Soil Bacteria. <i>MSystems</i> , 2021, 6, e0025021.	1.7	12
20090	Identification of Exosomal MicroRNA Signature by Liquid Biopsy in Hereditary Hemorrhagic Telangiectasia Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9450.	1.8	3
20091	REST is a major negative regulator of endocrine differentiation during pancreas organogenesis. <i>Genes and Development</i> , 2021, 35, 1229-1242.	2.7	13
20092	Genome-Scale Analysis of <i>Acetobacterium woodii</i> Identifies Translational Regulation of Acetogenesis. <i>MSystems</i> , 2021, 6, e0069621.	1.7	8
20093	Maternal cecal microbiota transfer rescues early-life antibiotic-induced enhancement of type 1 diabetes in mice. <i>Cell Host and Microbe</i> , 2021, 29, 1249-1265.e9.	5.1	32
20094	Pre-pregnancy BMI-associated miRNA and mRNA expression signatures in the placenta highlight a sexually-dimorphic response to maternal underweight status. <i>Scientific Reports</i> , 2021, 11, 15743.	1.6	9
20095	Transcriptomic landscape of blood platelets in healthy donors. <i>Scientific Reports</i> , 2021, 11, 15679.	1.6	22
20096	Transcriptomic Analyses of the Adenoma-Carcinoma Sequence Identify Hallmarks Associated With the Onset of Colorectal Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 704531.	1.3	12
20097	Genotoxic stress and viral infection induce transient expression of APOBEC3A and pro-inflammatory genes through two distinct pathways. <i>Nature Communications</i> , 2021, 12, 4917.	5.8	28

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20100	Intragenic tRNA-promoted R-loops orchestrate transcription interference for plant oxidative stress responses. <i>Plant Cell</i> , 2021, 33, 3574-3591.	3.1	11
20101	ZEB1 promotes pathogenic Th1 and Th17 cell differentiation in multiple sclerosis. <i>Cell Reports</i> , 2021, 36, 109602.	2.9	22
20102	Inflammatory cytokines TNF- $\alpha$ and IL-17 enhance the efficacy of cystic fibrosis transmembrane conductance regulator modulators. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	25
20103	Expression Dysregulation as a Mediator of Fitness Costs in Antibiotic Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0050421.	1.4	5
20104	Association between circulating bile acid alterations and nonalcoholic steatohepatitis independent of obesity and diabetes mellitus. <i>Liver International</i> , 2021, 41, 2892-2902.	1.9	13
20105	Recovery from heat shock requires the microRNA pathway in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2021, 17, e1009734.	1.5	15
20106	Tumor Necrosis Factor Alpha-Induced Interleukin-1 Alpha Synthesis and Cell Death Is Increased in Mouse Epithelial Cells Infected With <i>Chlamydia muridarum</i> . <i>Journal of Infectious Diseases</i> , 2021, 224, S47-S55.	1.9	0
20107	Comparative Transcriptome Profiling of Resistant and Susceptible Taxodium Trees in Responding to the Infection by <i>Pestalotiopsis maculans</i> . <i>Forests</i> , 2021, 12, 1090.	0.9	2
20111	Cell Walls Are Remodeled to Alleviate nY <sub>2</sub> O <sub>3</sub> Cytotoxicity by Elaborate Regulation of <i>de Novo</i> Synthesis and Vesicular Transport. <i>ACS Nano</i> , 2021, 15, 13166-13177.	7.3	13
20113	Mutations in the transcription factor FOXO1 mimic positive selection signals to promote germinal center B cell expansion and lymphomagenesis. <i>Immunity</i> , 2021, 54, 1807-1824.e14.	6.6	12
20114	Attenuation of cytosolic translation by <i>RNA</i> oxidation is involved in singlet oxygen-mediated transcriptomic responses. <i>Plant, Cell and Environment</i> , 2021, 44, 3597-3615.	2.8	8
20115	Inhibition of WHSC1 Allows for Reprogramming of the Immune Compartment in Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8742.	1.8	6
20116	Low molecular weight polysialic acid prevents lipopolysaccharide-induced inflammatory dopaminergic neurodegeneration in humanized <i>SIGLEC11</i> transgenic mice. <i>Glia</i> , 2021, 69, 2845-2862.	2.5	12
20117	Co-transcriptional RNA cleavage by Drosha homolog Pac1 triggers transcription termination in fission yeast. <i>Nucleic Acids Research</i> , 2021, 49, 8610-8624.	6.5	2
20118	Integrated transcriptome and proteome analysis of developing embryo reveals the mechanisms underlying the high levels of oil accumulation in <i>Carya cathayensis</i> Sarg.. <i>Tree Physiology</i> , 2022, 42, 684-702.	1.4	10
20119	Optimal Brassinosteroid Levels Are Required for Soybean Growth and Mineral Nutrient Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8400.	1.8	9
20120	Metabolic preconditioning in CD4+ T cells restores inducible immune tolerance in lupus-prone mice. <i>JCI Insight</i> , 2021, 6, .	2.3	10

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20122	CcrZ is a pneumococcal spatiotemporal cell cycle regulator that interacts with FtsZ and controls DNA replication by modulating the activity of DnaA. <i>Nature Microbiology</i> , 2021, 6, 1175-1187.	5.9	24
20123	Hypogalactia in mammary quarters adjacent to lipopolysaccharide-infused quarters is associated with transcriptional changes in immune genes. <i>Journal of Dairy Science</i> , 2021, 104, 9276-9286.	1.4	6
20124	Differential DNA methylation and changing cell-type proportions as fibrotic stage progresses in NAFLD. <i>Clinical Epigenetics</i> , 2021, 13, 152.	1.8	25
20125	Cytokinins initiate secondary growth in the Arabidopsis root through a set of LBD genes. <i>Current Biology</i> , 2021, 31, 3365-3373.e7.	1.8	46
20126	Lung Epithelial Signaling Mediates Early Vaccine-Induced CD4 <sup>+</sup> T Cell Activation and Mycobacterium tuberculosis Control. <i>MBio</i> , 2021, 12, e0146821.	1.8	11
20127	Phytosterol accumulation results in ventricular arrhythmia, impaired cardiac function and death in mice. <i>Scientific Reports</i> , 2021, 11, 17449.	1.6	3
20128	Cocultivation of Anaerobic Fungi with Rumen Bacteria Establishes an Antagonistic Relationship. <i>MBio</i> , 2021, 12, e0144221.	1.8	12
20129	Identification of Key Transcription Factors Related to Bacterial Spot Resistance in Pepper through Regulatory Network Analyses. <i>Genes</i> , 2021, 12, 1351.	1.0	6
20130	Decreased production of epithelial-derived antimicrobial molecules at mucosal barriers during early life. <i>Mucosal Immunology</i> , 2021, 14, 1358-1368.	2.7	9
20132	DEATIOLATED1 has a role in the circadian clock of the liverwort <i>Marchantia polymorpha</i> . <i>New Phytologist</i> , 2021, 232, 595-609.	3.5	6
20133	Spatial and Temporal Dynamics of Prokaryotic and Viral Community Assemblages in a Lotic System (Manatee Springs, Florida). <i>Applied and Environmental Microbiology</i> , 2021, 87, e0064621.	1.4	10
20134	Subanesthetic ketamine rapidly alters medial prefrontal miRNAs involved in ubiquitin-mediated proteolysis. <i>PLoS ONE</i> , 2021, 16, e0256390.	1.1	4
20135	Identifying novel transcript biomarkers for hepatocellular carcinoma (HCC) using RNA-Seq datasets and machine learning. <i>BMC Cancer</i> , 2021, 21, 962.	1.1	10
20137	The fungal community outperforms the bacterial community in predicting plant health status. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6499-6513.	1.7	18
20138	CCM2-deficient endothelial cells undergo a ROCK-dependent reprogramming into senescence-associated secretory phenotype. <i>Angiogenesis</i> , 2021, 24, 843-860.	3.7	12
20139	TCF3 Regulates the Proliferation and Apoptosis of Human Spermatogonial Stem Cells by Targeting PODXL. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 695545.	1.8	8
20140	Robust Prognostic Subtyping of Muscle-Invasive Bladder Cancer Revealed by Deep Learning-Based Multi-Omics Data Integration. <i>Frontiers in Oncology</i> , 2021, 11, 689626.	1.3	10

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20142	Key Gene and Functional Pathways Identified in Unexplained Recurrent Spontaneous Abortion Using Targeted RNA Sequencing and Clinical Analysis. <i>Frontiers in Immunology</i> , 2021, 12, 717832.	2.2	10
20144	m6A writer complex promotes timely differentiation and survival of retinal progenitor cells in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2021, 567, 171-176.	1.0	3
20145	The gut microbiome in sickle cell disease: Characterization and potential implications. <i>PLoS ONE</i> , 2021, 16, e0255956.	1.1	24
20146	Epigenetic Therapies in Ovarian Cancer Alter Repetitive Element Expression in a TP53-Dependent Manner. <i>Cancer Research</i> , 2021, 81, 5176-5189.	0.4	15
20147	Defining Gene Functions in Tumorigenesis by Ex vivo Ablation of Floxed Alleles in Malignant Peripheral Nerve Sheath Tumor Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0
20148	Impact of Antibiotic Resistance Genes in Gut Microbiome of Patients With Cirrhosis. <i>Gastroenterology</i> , 2021, 161, 508-521.e7.	0.6	33
20150	The DNA methylation landscape of multiple myeloma shows extensive inter- and inpatient heterogeneity that fuels transcriptomic variability. <i>Genome Medicine</i> , 2021, 13, 127.	3.6	9
20151	Multicellular Human Cardiac Organoids Transcriptomically Model Distinct Tissue-Level Features of Adult Myocardium. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8482.	1.8	20
20152	Comparative transcriptome analysis of R3a and Avr3a-mediated defense responses in transgenic tomato. <i>PeerJ</i> , 2021, 9, e11965.	0.9	2
20153	Resource Allocation During the Transition to Diazotrophy in <i>Klebsiella oxytoca</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 718487.	1.5	5
20154	N6-methyladenosine-Mediated Upregulation of WTAPP1 Promotes WTAP Translation and Wnt Signaling to Facilitate Pancreatic Cancer Progression. <i>Cancer Research</i> , 2021, 81, 5268-5283.	0.4	46
20155	Application of miRNA-seq in neuropsychiatry: A methodological perspective. <i>Computers in Biology and Medicine</i> , 2021, 135, 104603.	3.9	7
20156	SEaCorAl: Identifying and contrasting the regulation-correlation bias in RNA-Seq paired expression data of patient groups. <i>Computers in Biology and Medicine</i> , 2021, 135, 104567.	3.9	4
20157	Ultrastructure observation and transcriptome analysis of Chinese chestnut ( <i>Castanea mollissima</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	1
20158	Cystatin B-deficiency triggers ectopic histone H3 tail cleavage during neurogenesis. <i>Neurobiology of Disease</i> , 2021, 156, 105418.	2.1	13
20159	Transcription factor BZR2 activates chitinase Cht20.2 transcription to confer resistance to wheat stripe rust. <i>Plant Physiology</i> , 2021, 187, 2749-2762.	2.3	21
20160	Gene expression atlas of energy balance brain regions. <i>JCI Insight</i> , 2021, 6, .	2.3	6

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20162	Systematic dissection of $\beta$ 70 sequence diversity and function in bacteria. <i>Cell Reports</i> , 2021, 36, 109590.	2.9	2
20163	Chondrocytes from Osteoarthritis Patients Adopt Distinct Phenotypes in Response to Central TH1/TH2/TH17 Cytokines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9463.	1.8	8
20164	Overexpression of the Ubiquitin Specific Proteases USP43, USP41, USP27x and USP6 in Osteosarcoma Cell Lines: Inhibition of Osteosarcoma Tumor Growth and Lung Metastasis Development by the USP Antagonist PR619. <i>Cells</i> , 2021, 10, 2268.	1.8	16
20166	Mammalian and Invertebrate Models as Complementary Tools for Gaining Mechanistic Insight on Muscle Responses to Spaceflight. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9470.	1.8	12
20167	A New Model Trypanosomatid, <i>Novymonas esmeraldas</i> : Genomic Perception of Its <i>Candidatus</i> Pandoraea novymonadis Endosymbiont. <i>MBio</i> , 2021, 12, e0160621.	1.8	8
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20169	Combining an Alarmin HMGN1 Peptide with PD-L1 Blockade Results in Robust Antitumor Effects with a Concomitant Increase of Stem-Like/Progenitor Exhausted CD8+ T Cells. <i>Cancer Immunology Research</i> , 2021, 9, 1214-1228.	1.6	12
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20174	TP53 Mutation Related and Directly Regulated lncRNA Prognosis Markers in Hepatocellular Carcinoma. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 4427-4437.	1.0	5
20176	IFN- $\gamma$ Is a Rheostat for Development of Psoriasiform Inflammation. <i>Journal of Investigative Dermatology</i> , 2022, 142, 155-165.e3.	0.3	12
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20187	An in vitro platform supports generation of human innate lymphoid cells from CD34+ hematopoietic progenitors that recapitulate ex vivo identity. <i>Immunity</i> , 2021, 54, 2417-2432.e5.	6.6	32
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20191	Sequential inverse dysregulation of the RNA helicases DDX3X and DDX3Y facilitates MYC-driven lymphomagenesis. <i>Molecular Cell</i> , 2021, 81, 4059-4075.e11.	4.5	42
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20193	Temporal and nutritional effects on the weaner pig ileal microbiota. <i>Animal Microbiome</i> , 2021, 3, 58.	1.5	2
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20205	Transgenic mice for in vivo epigenome editing with CRISPR-based systems. <i>Nature Methods</i> , 2021, 18, 965-974.	9.0	56
20206	Decoupling Lineage-Associated Genes in Acute Myeloid Leukemia Reveals Inflammatory and Metabolic Signatures Associated With Outcomes. <i>Frontiers in Oncology</i> , 2021, 11, 705627.	1.3	7



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20234	The IL-33-ILC2 pathway protects from amebic colitis. <i>Mucosal Immunology</i> , 2022, 15, 165-175.	2.7	12
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20240	Citrus transcription factor CsHB5 regulates abscisic acid biosynthetic genes and promotes senescence. <i>Plant Journal</i> , 2021, 108, 151-168.	2.8	15
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20248	Global gene expression and chromatin accessibility of the peripheral nervous system in animal models of persistent pain. <i>Journal of Neuroinflammation</i> , 2021, 18, 185.	3.1	6
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20252	Global analysis of <i>Saccharomyces cerevisiae</i> growth in mucin. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	1
20253	Genome-Wide Transcriptomic Analysis of <i>n</i> -Caproic Acid Production in <i>Ruminococcaceae</i> Bacterium CPB6 with Lactate Supplementation. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1533-1544.	0.9	7
20254	HISTONE DEACETYLASE 6 suppresses salicylic acid biosynthesis to repress autoimmunity. <i>Plant Physiology</i> , 2021, 187, 2592-2607.	2.3	8
20256	<i>ZSWIM7</i> Is Associated With Human Female Meiosis and Familial Primary Ovarian Insufficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e254-e263.	1.8	13
20257	Transcriptomic Profiling of Canine Atrial Fibrillation Models After One Week of Sustained Arrhythmia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e009887.	2.1	6
20258	Basal and Luminal Molecular Subtypes in Naturally-Occurring Canine Urothelial Carcinoma are Associated with Tumor Immune Signatures and Dog Breed. <i>Bladder Cancer</i> , 2021, 7, 317-333.	0.2	3
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20266	Developmental and evolutionary dynamics of cis-regulatory elements in mouse cerebellar cells. <i>Science</i> , 2021, 373, .	6.0	51
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20271	Hypoxic stress suppresses lung tumor-secreted exosomal miR101 to activate macrophages and induce inflammation. <i>Cell Death and Disease</i> , 2021, 12, 776.	2.7	14
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20274	The role of epigenetic modifications, long-range contacts, enhancers and topologically associating domains in the regulation of glioma grade-specific genes. <i>Scientific Reports</i> , 2021, 11, 15668.	1.6	2
20275	Assembly of fungal mycelium-carbon nanotube composites and their application in pyrene removal. <i>Journal of Hazardous Materials</i> , 2021, 415, 125743.	6.5	18
20276	Zea mays Volatiles that Influence Oviposition and Feeding Behaviors of <i>Spodoptera frugiperda</i> . <i>Journal of Chemical Ecology</i> , 2021, 47, 799-809.	0.9	25
20277	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. <i>Science Immunology</i> , 2021, 6, .	5.6	267
20278	Overcoming microenvironmental resistance to PD-1 blockade in genetically engineered lung cancer models. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	44
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20280	Noncoding Variation and Transcriptional Plasticity Promote Thermal Adaptation in Oysters by Altering Energy Metabolism. <i>Molecular Biology and Evolution</i> , 2021, 38, 5144-5155.	3.5	25
20281	Functional genomics atlas of synovial fibroblasts defining rheumatoid arthritis heritability. <i>Genome Biology</i> , 2021, 22, 247.	3.8	27
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20283	Patient-derived organoids model cervical tissue dynamics and viral oncogenesis in cervical cancer. <i>Cell Stem Cell</i> , 2021, 28, 1380-1396.e6.	5.2	88
20284	Integrated multi-omics analysis of RB-loss identifies widespread cellular programming and synthetic weaknesses. <i>Communications Biology</i> , 2021, 4, 977.	2.0	1
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20290	Chromosome-scale assembly and evolution of the tetraploid <i>Salvia splendens</i> (Lamiaceae) genome. <i>Horticulture Research</i> , 2021, 8, 177.	2.9	27
20291	Spatio-Temporal Multiscale Analysis of Western Diet-Fed Mice Reveals a Translationally Relevant Sequence of Events during NAFLD Progression. <i>Cells</i> , 2021, 10, 2516.	1.8	24
20296	Widespread translational control regulates retinal development in mouse. <i>Nucleic Acids Research</i> , 2021, 49, 9648-9664.	6.5	7
20297	Pituitary Somatotroph Adenoma-derived Exosomes: Characterization of Nonhormonal Actions. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 379-397.	1.8	6
20298	Towards Engineering an Ecosystem: A Review of Computational Approaches to Explore and Exploit the Human Microbiome for Healthcare. , 0, , 1.		0
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20303	Alterations in subgingival microbiota during full-fixed appliance orthodontic treatment—A prospective study. <i>Orthodontics and Craniofacial Research</i> , 2022, 25, 260-268.	1.2	5
20304	Generation of hypothalamic arcuate organoids from human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2021, 28, 1657-1670.e10.	5.2	72
20305	Antimicrobial mechanisms of g-C3N4 nanosheets against the oomycetes <i>Phytophthora capsici</i> : Disrupting metabolism and membrane structures and inhibiting vegetative and reproductive growth. <i>Journal of Hazardous Materials</i> , 2021, 417, 126121.	6.5	18
20306	Cold Regulation of Genes Encoding Ion Transport Systems in the Oligotrophic Bacterium <i>Caulobacter crescentus</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0071021.	1.2	6
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20310	Low Toxicological Impact of Commercial Pristine Multi-Walled Carbon Nanotubes on the Yeast <i>Saccharomyces cerevisiae</i> . <i>Nanomaterials</i> , 2021, 11, 2272.	1.9	1
20311	Targeting extracellular and juxtamembrane FGFR2 mutations in chemotherapy-refractory cholangiocarcinoma. <i>Npj Precision Oncology</i> , 2021, 5, 80.	2.3	10
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20315	Single cell transcriptomic analysis of external genitalia reveals complex and sexually dimorphic cell populations in the early genital tubercle. <i>Developmental Biology</i> , 2021, 477, 145-154.	0.9	5
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20317	Genetic variance and transcriptional regulation modulate terpenoid biosynthesis in trichomes of <i>Nicotiana tabacum</i> under drought. <i>Industrial Crops and Products</i> , 2021, 167, 113501.	2.5	6
20318	MyD88 is an essential regulator of NK cell-mediated clearance of MCMV infection. <i>Molecular Immunology</i> , 2021, 137, 94-104.	1.0	4
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20322	Transcriptomic and Mutational Analysis Discovering Distinct Molecular Characteristics Among Chinese Thymic Epithelial Tumor Patients. <i>Frontiers in Oncology</i> , 2021, 11, 647512.	1.3	6
20323	Integrative transcriptomic profiling of a mouse model of hypertension-accelerated diabetic kidney disease. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	4
20324	Copper Intoxication in Group B <i>Streptococcus</i> Triggers Transcriptional Activation of the <i>copA</i> Operon That Contributes to Enhanced Virulence during Acute Infection. <i>Journal of Bacteriology</i> , 2021, 203, e0031521.	1.0	12
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20326	Dynamics of the fecal microbiome and antimicrobial resistome in commercial piglets during the weaning period. <i>Scientific Reports</i> , 2021, 11, 18091.	1.6	5
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20328	Chinese gut microbiota and its associations with staple food type, ethnicity, and urbanization. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 71.	2.9	37
20329	Analytic Pearson residuals for normalization of single-cell RNA-seq UMI data. <i>Genome Biology</i> , 2021, 22, 258.	3.8	44
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20332	Parallel Murine and Human Aortic Wall Genomics Reveals Metabolic Reprogramming as Key Driver of Abdominal Aortic Aneurysm Progression. <i>Journal of the American Heart Association</i> , 2021, 10, e020231.	1.6	15
20333	Elevated transcription of transposable elements is accompanied by het-siRNA-driven de novo DNA methylation in grapevine embryogenic callus. <i>BMC Genomics</i> , 2021, 22, 676.	1.2	4
20334	Timing of Transcriptomic Peripheral Blood Mononuclear Cell Responses of Sheep to <i>Fasciola hepatica</i> Infection Differs From Those of Cattle, Reflecting Different Disease Phenotypes. <i>Frontiers in Immunology</i> , 2021, 12, 729217.	2.2	4
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20338	Chromosome-scale genome assembly and population genomics provide insights into the adaptation, domestication, and flavonoid metabolism of Chinese plum. <i>Plant Journal</i> , 2021, 108, 1174-1192.	2.8	16
20339	Developmental chromatin programs determine oncogenic competence in melanoma. <i>Science</i> , 2021, 373, eabc1048.	6.0	80
20340	Blood transcriptomics reveal the evolution and resolution of the immune response in tuberculosis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	36
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20343	Exercise-induced angiogenesis is dependent on metabolically primed ATF3/4+ endothelial cells. <i>Cell Metabolism</i> , 2021, 33, 1793-1807.e9.	7.2	28
20346	Integrated Analysis of Prognostic Genes Associated With Ischemia-Reperfusion Injury in Renal Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 747020.	2.2	6
20347	Transcriptome and Resequencing Analyses Provide Insight into Differences in Organic Acid Accumulation in Two Pear Varieties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9622.	1.8	5
20348	BAP1 enhances Polycomb repression by counteracting widespread H2AK119ub1 deposition and chromatin condensation. <i>Molecular Cell</i> , 2021, 81, 3526-3541.e8.	4.5	46
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20352	Benthic micro- and macro-community succession and coral recruitment under overfishing and nutrient enrichment. <i>Ecology</i> , 2021, 102, e03536.	1.5	12
20354	Adhesion receptor ADGRG2/GPR64 is in the GI-tract selectively expressed in mature intestinal tuft cells. <i>Molecular Metabolism</i> , 2021, 51, 101231.	3.0	11
20355	Heme Oxygenase-1 at the Nexus of Endothelial Cell Fate Decision Under Oxidative Stress. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702974.	1.8	3

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20358	Comparative Immunogenomics of Canine Natural Killer Cells as Immunotherapy Target. <i>Frontiers in Immunology</i> , 2021, 12, 670309.	2.2	11
20359	Cardiac-specific $\beta$ -catenin deletion dysregulates energetic metabolism and mitochondrial function in perinatal cardiomyocytes. <i>Mitochondrion</i> , 2021, 60, 59-69.	1.6	10
20360	Troy/Tnfrsf19 marks epidermal cells that govern interfollicular epidermal renewal and cornification. <i>Stem Cell Reports</i> , 2021, 16, 2379-2394.	2.3	2
20361	Transcriptome analysis of human dorsal striatum implicates attenuated canonical WNT signaling in neuroinflammation and in age-related impairment of striatal neurogenesis and synaptic plasticity. <i>Restorative Neurology and Neuroscience</i> , 2021, 39, 247-266.	0.4	2
20362	The two-component system <i>RstAB</i> regulates production of a polysaccharide capsule with a role in virulence in the marine pathogen <i>Photobacterium damsela</i> subsp. <i>damsela</i> . <i>Environmental Microbiology</i> , 2021, 23, 4859-4880.	1.8	4
20363	Integrative Transcriptome Profiling Reveals SKA3 as a Novel Prognostic Marker in Non-Muscle Invasive Bladder Cancer. <i>Cancers</i> , 2021, 13, 4673.	1.7	5
20365	Gene Body Methylation Confers Transcription Robustness in Mangroves During Long-Term Stress Adaptation. <i>Frontiers in Plant Science</i> , 2021, 12, 733846.	1.7	2
20366	Epicardial differentiation drives fibro-fatty remodeling in arrhythmogenic cardiomyopathy. <i>Science Translational Medicine</i> , 2021, 13, eabf2750.	5.8	16
20367	Tissue-resident macrophages promote early dissemination of multiple myeloma via IL-6 and TNF $\alpha$ . <i>Blood Advances</i> , 2021, 5, 3592-3608.	2.5	17
20370	TIP60 governs the auto-ubiquitination of UHRF1 through USP7 dissociation from the UHRF1/USP7 complex. <i>International Journal of Oncology</i> , 2021, 59, .	1.4	7
20371	Kefir modulates gut microbiota and reduces DMH-associated colorectal cancer via regulation of intestinal inflammation in adulthood offsprings programmed by neonatal overfeeding. <i>Food Research International</i> , 2022, 152, 110708.	2.9	8
20372	TCF/LEF regulation of the topologically associated domain ADI promotes mESCs to exit the pluripotent ground state. <i>Cell Reports</i> , 2021, 36, 109705.	2.9	4
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20375	Thrombospondin-4 Is a Soluble Dermal Inflammatory Signal That Selectively Promotes Fibroblast Migration and Keratinocyte Proliferation for Skin Regeneration and Wound Healing. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 745637.	1.8	15
20376	SRCP: a comprehensive pipeline for accurate annotation and quantification of circRNAs. <i>Genome Biology</i> , 2021, 22, 277.	3.8	8
20378	Inhibition of Granuloma Triglyceride Synthesis Imparts Control of Mycobacterium tuberculosis Through Curtailed Inflammatory Responses. <i>Frontiers in Immunology</i> , 2021, 12, 722735.	2.2	11



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20381	LncRNA ENSG00000254615 Modulates Proliferation and 5-FU Resistance by Regulating p21 and Cyclin D1 in Colorectal Cancer. <i>Cancer Investigation</i> , 2021, 39, 696-710.	0.6	6
20382	Ectopic activation of the miR-200câ€“EpCAM axis enhances antitumor T cell responses in models of adoptive cell therapy. <i>Science Translational Medicine</i> , 2021, 13, eabg4328.	5.8	8
20384	The combined action of <i>Esrrb</i> and <i>Nr5a2</i> is essential for murine naïve pluripotency. <i>Development</i> (Cambridge), 2021, 148, .	1.2	26
20385	Genetic profiles of subcutaneous panniculitis-like T-cell lymphoma and clinicopathological impact of <i>HAVCR2</i> mutations. <i>Blood Advances</i> , 2021, 5, 3919-3930.	2.5	26
20386	Hi-C profiling of cancer spheroids identifies 3D-growth-specific chromatin interactions in breast cancer endocrine resistance. <i>Clinical Epigenetics</i> , 2021, 13, 175.	1.8	10
20387	<i>IGSF11</i> is required for pericentric heterochromatin dissociation during meiotic diplotene. <i>PLoS Genetics</i> , 2021, 17, e1009778.	1.5	7
20388	A protocol for characterization of extremely preterm infant gut microbiota in double-blind clinical trials. <i>STAR Protocols</i> , 2021, 2, 100652.	0.5	3
20389	Modelling human liver fibrosis in the context of non-alcoholic steatohepatitis using a microphysiological system. <i>Communications Biology</i> , 2021, 4, 1080.	2.0	13
20390	Targeting the methyltransferase <i>SETD8</i> impairs tumor cell survival and overcomes drug resistance independently of p53 status in multiple myeloma. <i>Clinical Epigenetics</i> , 2021, 13, 174.	1.8	11
20391	Brainâ€“derived neurotrophic factor predominantly regulates the expression of synapseâ€“related genes in the striatum: Insights from <i>in vitro</i> transcriptomics. <i>Neuropsychopharmacology Reports</i> , 2021, 41, 485-495.	1.1	7
20392	Effects of oral administration of timothy hay and psyllium on the growth performance and fecal microbiota of preweaning calves. <i>Journal of Dairy Science</i> , 2021, 104, 12472-12485.	1.4	3
20393	Genome-Wide Transcriptional Changes of <i>Rhodosporidium kratochvilovae</i> at Low Temperature. <i>Frontiers in Microbiology</i> , 2021, 12, 727105.	1.5	5
20394	Transcriptomic changes during stage progression of mycosis fungoides. <i>British Journal of Dermatology</i> , 2022, 186, 520-531.	1.4	4
20395	Fragmentation of Apolipoprotein E4 is Required for Differential Expression of Inflammation and Activation Related Genes in Microglia Cells. <i>International Journal of Neurodegenerative Disorders</i> , 2021, 4, .	0.2	2
20398	Identification and Characterization of Secondary Wall-Associated NAC Genes and Their Involvement in Hormonal Responses in Tobacco ( <i>Nicotiana tabacum</i> ). <i>Frontiers in Plant Science</i> , 2021, 12, 712254.	1.7	5
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20401	Gut Metabolites Are More Predictive of Disease and Cohoused States than Gut Bacterial Features in a Polycystic Ovary Syndrome-Like Mouse Model. <i>MSystems</i> , 2021, 6, e0114920.	1.7	8
20402	Intestinal Transcriptomic and Histologic Profiling Reveals Tissue Repair Mechanisms Underlying Resistance to the Parasite <i>Ceratomyxa shasta</i> . <i>Pathogens</i> , 2021, 10, 1179.	1.2	8
20404	Identification of potential pathways associated with indole-3-butyric acid in citrus bud germination via transcriptomic analysis. <i>Functional and Integrative Genomics</i> , 2021, 21, 619-631.	1.4	2
20405	Transcriptome Analysis Reveals Differential Gene Expression in Garlic Aerial Bulbs in Response to Gibberellin Application. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2967-2979.	2.8	1
20406	Non-invasive evaluation of subjective sensitive skin by transcriptomics using mRNA in skin surface lipids. <i>Experimental Dermatology</i> , 2022, 31, 172-181.	1.4	4
20407	Morphological, physiological, and transcriptional responses to low nitrogen stress in <i>Populus deltoides</i> Marsh. clones with contrasting nitrogen use efficiency. <i>BMC Genomics</i> , 2021, 22, 697.	1.2	3
20408	CTCF knockout in zebrafish induces alterations in regulatory landscapes and developmental gene expression. <i>Nature Communications</i> , 2021, 12, 5415.	5.8	27
20409	Systems Analysis Reveals Ageing-Related Perturbations in Retinoids and Sex Hormones in Alzheimer's and Parkinson's Diseases. <i>Biomedicines</i> , 2021, 9, 1310.	1.4	8
20410	Reduced TREM2 activation in microglia of patients with Alzheimer's disease. <i>FEBS Open Bio</i> , 2021, 11, 3063-3080.	1.0	12
20411	High Arsenic Levels Increase Activity Rather than Diversity or Abundance of Arsenic Metabolism Genes in Paddy Soils. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0138321.	1.4	9
20412	Intracytoplasm mitochondrial transplantation for mesenchymal stem cells engineering and tissue regeneration. <i>Bioengineering and Translational Medicine</i> , 2022, 7, e10250.	3.9	14
20413	Novel <i>Alcaligenes ammonioxydans</i> sp. nov. from wastewater treatment sludge oxidizes ammonia to $N_2$ with a previously unknown pathway. <i>Environmental Microbiology</i> , 2021, 23, 6965-6980.	1.8	33
20414	Host-symbiont transcriptomic changes during natural bleaching and recovery in the leaf coral <i>Pavona decussata</i> . <i>Science of the Total Environment</i> , 2022, 806, 150656.	3.9	10
20415	Pre-Weaning Inulin Supplementation Alters the Ileal Transcriptome in Pigs Regarding Lipid Metabolism. <i>Veterinary Sciences</i> , 2021, 8, 207.	0.6	4
20416	The transcription factor ORA59 exhibits dual DNA binding specificity that differentially regulates ethylene- and jasmonic acid-induced genes in plant immunity. <i>Plant Physiology</i> , 2021, 187, 2763-2784.	2.3	11
20419	Integrated analysis identifies a novel lncRNA prognostic signature associated with aerobic glycolysis and hub pathways in breast cancer. <i>Cancer Medicine</i> , 2021, 10, 7877-7892.	1.3	6
20420	Infection with endosymbiotic <i>Spiroplasma</i> disrupts tsetse ( <i>Glossina fuscipes fuscipes</i> ) metabolic and reproductive homeostasis. <i>PLoS Pathogens</i> , 2021, 17, e1009539.	2.1	9

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20425	Whole-Genome and Transcriptome Sequencing of <i>Phlebotomus portentosus</i> Reveals Its Associated Ectomycorrhizal Niche and Conserved Pathways Involved in Fruiting Body Development. <i>Frontiers in Microbiology</i> , 2021, 12, 732458.	1.5	8
20426	Transcriptome analyses reveal tau isoform-driven changes in transposable element and gene expression. <i>PLoS ONE</i> , 2021, 16, e0251611.	1.1	6
20427	Transcriptional profiling of <i>Dermacentor variabilis</i> (Acari: Ixodidae) provides insights into the role of the Haller's organ in spatial DEET recognition. <i>Ticks and Tick-borne Diseases</i> , 2022, 13, 101827.	1.1	6
20428	The Foliar Microbiome Suggests that Fungal and Bacterial Agents May be Involved in the Beech Leaf Disease Pathosystem. <i>Phytobiomes Journal</i> , 2021, 5, 335-349.	1.4	12
20429	The pattern of DNA methylation alteration, and its association with the changes of gene expression and alternative splicing during phosphate starvation in tomato. <i>Plant Journal</i> , 2021, 108, 841-858.	2.8	17
20430	In vitro CSC-derived cardiomyocytes exhibit the typical microRNA-mRNA blueprint of endogenous cardiomyocytes. <i>Communications Biology</i> , 2021, 4, 1146.	2.0	15
20431	Lgr6 marks epidermal stem cells with a nerve-dependent role in wound re-epithelialization. <i>Cell Stem Cell</i> , 2021, 28, 1582-1596.e6.	5.2	44
20432	Novel interferon-sensitive genes unveiled by correlation-driven gene selection and systems biology. <i>Scientific Reports</i> , 2021, 11, 18043.	1.6	3
20433	Role of miR-2392 in driving SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 37, 109839.	2.9	52
20434	Transposon-triggered innate immune response confers cancer resistance to the blind mole rat. <i>Nature Immunology</i> , 2021, 22, 1219-1230.	7.0	45
20435	UTX condensation underlies its tumour-suppressive activity. <i>Nature</i> , 2021, 597, 726-731.	13.7	98
20436	OCT2 pre-positioning facilitates cell fate transition and chromatin architecture changes in humoral immunity. <i>Nature Immunology</i> , 2021, 22, 1327-1340.	7.0	11
20437	TrkA specific signalling pathways are critical for mechanical allodynia development and bone alterations in a mouse model of rheumatoid arthritis. <i>Pain</i> , 2021, Publish Ahead of Print, .	2.0	2
20438	The <i>Candida glabrata</i> Upc2A transcription factor is a global regulator of antifungal drug resistance pathways. <i>PLoS Genetics</i> , 2021, 17, e1009582.	1.5	22
20439	A Modified Nucleoside 6-Thio-2-Deoxyguanosine Exhibits Antitumor Activity in Gliomas. <i>Clinical Cancer Research</i> , 2021, 27, 6800-6814.	3.2	10
20440	Multiple transcriptomic profiling: potential novel metabolism-related genes predict prepubertal testis damage caused by DEHP exposure. <i>Environmental Science and Pollution Research</i> , 2022, 29, 13478-13490.	2.7	5
20441	Rate of recipient-derived alveolar macrophage development and major histocompatibility complex cross-decoration after lung transplantation in humans. <i>American Journal of Transplantation</i> , 2022, 22, 574-587.	2.6	6

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20443	Pulse processing affects gas production by gut bacteria during in vitro fecal fermentation. <i>Food Research International</i> , 2021, 147, 110453.	2.9	7
20444	Isoflucypram cardiovascular toxicity in zebrafish ( <i>Danio rerio</i> ). <i>Science of the Total Environment</i> , 2021, 787, 147529.	3.9	16
20445	Non-canonical NRF2 activation promotes a pro-diabetic shift in hepatic glucose metabolism. <i>Molecular Metabolism</i> , 2021, 51, 101243.	3.0	13
20446	Hypothalamic and ovarian transcriptome profiling reveals potential candidate genes in low and high egg production of white Muscovy ducks ( <i>Cairina moschata</i> ). <i>Poultry Science</i> , 2021, 100, 101310.	1.5	31
20447	Transcriptomic landscape of skin lesions in cutaneous leishmaniasis reveals a strong CD8 <sup>+</sup> T cell immunosenescence signature linked to immunopathology. <i>Immunology</i> , 2021, 164, 754-765.	2.0	8
20448	Multiomics Analysis Reveals Distinct Immunogenomic Features of Lung Cancer with Ground-Glass Opacity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1180-1192.	2.5	37
20449	Transcriptome analysis provides strategies for postharvest lotus seeds preservation. <i>Postharvest Biology and Technology</i> , 2021, 179, 111583.	2.9	11
20450	Distinct transcriptional programs stratify ovarian cancer cell lines into the five major histological subtypes. <i>Genome Medicine</i> , 2021, 13, 140.	3.6	49
20451	Microbial Abundance and Diversity in Subsurface Lower Oceanic Crust at Atlantis Bank, Southwest Indian Ridge. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0151921.	1.4	5
20452	Triangulation of microbial fingerprinting in anaerobic digestion reveals consistent fingerprinting profiles. <i>Water Research</i> , 2021, 202, 117422.	5.3	12
20453	Assessing the potential use of a feed additive based on biochar on broilers feeding upon productive performance, pH of digestive organs, cecum fermentation and bacterial community. <i>Animal Feed Science and Technology</i> , 2021, 279, 115039.	1.1	14
20454	Early Leukocyte Responses in Ex-Vivo Models of Healing and Non-Healing Human <i>Leishmania (Viannia) panamensis</i> Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 687607.	1.8	2
20455	Combined glyoxalase 1 dysfunction and vitamin B6 deficiency in a schizophrenia model system causes mitochondrial dysfunction in the prefrontal cortex. <i>Redox Biology</i> , 2021, 45, 102057.	3.9	12
20457	Persistent mRNA localization defects and cell death in ALS neurons caused by transient cellular stress. <i>Cell Reports</i> , 2021, 36, 109685.	2.9	18
20458	CdGAP promotes prostate cancer metastasis by regulating epithelial-to-mesenchymal transition, cell cycle progression, and apoptosis. <i>Communications Biology</i> , 2021, 4, 1042.	2.0	9
20459	METTL3-mediated RNA m6A Hypermethylation Promotes Tumorigenesis and GH Secretion of Pituitary Somatotroph Adenomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 136-149.	1.8	8
20460	Selenoprotein T Protects Endothelial Cells against Lipopolysaccharide-Induced Activation and Apoptosis. <i>Antioxidants</i> , 2021, 10, 1427.	2.2	4

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20461	A general role for TANGO1, encoded by <i>MIA3</i> , in secretory pathway organization and function. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	15
20462	The HSP/co-chaperone network in environmental cold adaptation of <i>Chilo suppressalis</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 187, 780-788.	3.6	10
20464	Targeted RNA Sequencing of Formalin-Fixed, Paraffin-Embedded Temporal Arteries From Giant Cell Arteritis Cases Reveals Viral Signatures. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, .	3.1	2
20466	Mechanisms of responsiveness to and resistance against trabectedin in murine models of human myxoid liposarcoma. <i>Genomics</i> , 2021, 113, 3439-3448.	1.3	2
20469	Aspirin inhibits prostaglandins to prevents colon tumor formation via down-regulating Wnt production. <i>European Journal of Pharmacology</i> , 2021, 906, 174173.	1.7	7
20470	TRIM8 modulates the EWS/FLI oncoprotein to promote survival in Ewing sarcoma. <i>Cancer Cell</i> , 2021, 39, 1262-1278.e7.	7.7	49
20471	Mutant collagen COL11A1 enhances cancerous invasion. <i>Oncogene</i> , 2021, 40, 6299-6307.	2.6	20
20472	The leukemic oncogene EVI1 hijacks a MYC super-enhancer by CTCF-facilitated loops. <i>Nature Communications</i> , 2021, 12, 5679.	5.8	31
20474	Platelets contribute to disease severity in COVID-19. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 3139-3153.	1.9	111
20475	UV-induced reduction in Polycomb repression promotes epidermal pigmentation. <i>Developmental Cell</i> , 2021, 56, 2547-2561.e8.	3.1	13
20476	Muscle-secreted neurturin couples myofiber oxidative metabolism and slow motor neuron identity. <i>Cell Metabolism</i> , 2021, 33, 2215-2230.e8.	7.2	22
20477	Aged and young mice differentially respond to tape-stripping in epidermal gene expression. <i>Experimental Dermatology</i> , 2022, 31, 312-319.	1.4	2
20478	Alpha-synuclein alters the faecal viromes of rats in a gut-initiated model of Parkinson's disease. <i>Communications Biology</i> , 2021, 4, 1140.	2.0	6
20479	Noncanonical mono(ADP-ribosyl)ation of zinc finger SZF proteins counteracts ubiquitination for protein homeostasis in plant immunity. <i>Molecular Cell</i> , 2021, 81, 4591-4604.e8.	4.5	17
20480	The antioxidant ability, histology, proximate, amino acid and fatty acid compositions, and transcriptome analysis of muscle in juvenile hybrid grouper ( <i>Epinephelus fuscoguttatus</i> × <i>E. tilapia</i> ). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>		
20481	miR-124 promotes apoptosis and inhibits the proliferation of vessel endothelial cells through P38/MAPK and PI3K/AKT pathways, making it a potential mechanism of vessel endothelial injury in acute myocardial infarction. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1383.	0.8	7
20482	Telomere dysfunction is associated with dark-induced bleaching in the reef coral <i>Stylophora pistillata</i> . <i>Molecular Ecology</i> , 2022, 31, 6087-6099.	2.0	8
20484	Integrative mRNA-miRNA interaction analysis reveals the molecular mechanism of skin color variation between wild-type and yellow mutant rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100914.	0.4	5

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20485	FlowCT for the analysis of large immunophenotypic data sets and biomarker discovery in cancer immunology. <i>Blood Advances</i> , 2022, 6, 690-703.	2.5	19
20486	Berberine reverses multidrug resistance in <i>Candida albicans</i> by hijacking the drug efflux pump Mdr1p. <i>Science Bulletin</i> , 2021, 66, 1895-1905.	4.3	20
20487	Breeding Strategy Shapes the Composition of Bacterial Communities in Female Nile Tilapia Reared in a Recirculating Aquaculture System. <i>Frontiers in Microbiology</i> , 2021, 12, 709611.	1.5	2
20491	A Novel Sulfone Derivative Controls <i>Lasiodiplodia theobromae</i> in Tea Leaf Spot by Reducing the Ergosterol Content. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, MPMI-12-20-0343.	1.4	3
20492	A monocyte/dendritic cell molecular signature of SARS-CoV-2-related multisystem inflammatory syndrome in children with severe myocarditis. <i>Med</i> , 2021, 2, 1072-1092.e7.	2.2	38
20493	Impaired macrophage trafficking and increased helper T-cell recruitment with loss of cadherin-11 in atherosclerotic immune response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H756-H769.	1.5	8
20494	Functional characterization of HIC, a P2Y1 agonist, as a p53 stabilizer for prostate cancer cell death induction. <i>Future Medicinal Chemistry</i> , 2021, 13, 1845-1864.	1.1	4
20495	Mammary-specific expression of Trim24 establishes a mouse model of human metaplastic breast cancer. <i>Nature Communications</i> , 2021, 12, 5389.	5.8	14
20496	Hierarchical chromatin features reveal the toxin production in <i>Bungarus multicinctus</i> . <i>Chinese Medicine</i> , 2021, 16, 90.	1.6	5
20500	Analysis of the Reversible Impact of the Chemodrug Busulfan on Mouse Testes. <i>Cells</i> , 2021, 10, 2403.	1.8	5
20501	Genome-wide identification of lncRNAs, miRNAs, mRNAs and their regulatory networks involved in tapping panel dryness in rubber tree ( <i>Hevea brasiliensis</i> ). <i>Tree Physiology</i> , 2022, 42, 629-645.	1.4	8
20502	Common tumor-suppressive signaling of thyroid hormone receptor beta in breast and thyroid cancer cells. <i>Molecular Carcinogenesis</i> , 2021, 60, 874-885.	1.3	8
20503	The CXC Chemokine Receptors in Four-Eyed Sleeper ( <i>Bostrychus sinensis</i> ) and Their Involvement in Responding to Skin Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10022.	1.8	3
20504	Global transcriptome profiling reveals genes responding to overproduction of a small secretory, a high cysteine- and a high glycosylation-bearing protein in <i>Yarrowia lipolytica</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021, 31, e00646.	2.1	13
20505	Construction of transcriptional regulatory networks using total RNA-seq data. <i>STAR Protocols</i> , 2021, 2, 100769.	0.5	0
20506	Protocol to generate and characterize biofouling transformants of a model marine diatom. <i>STAR Protocols</i> , 2021, 2, 100716.	0.5	0
20507	Microbiome-mediated response to pulse fire disturbance outweighs the effects of fire legacy on plant performance. <i>New Phytologist</i> , 2022, 233, 2071-2082.	3.5	6
20508	Protein kinase R and the integrated stress response drive immunopathology caused by mutations in the RNA deaminase ADAR1. <i>Immunity</i> , 2021, 54, 1948-1960.e5.	6.6	62

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20850	Intestinal antiviral signaling is controlled by autophagy gene <i>Epg5</i> independent of the microbiota. <i>Autophagy</i> , 2022, 18, 1062-1077.	4.3	6
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20859	Regulatory variants at 2q33.1 confer schizophrenia risk by modulating distal gene <i>TYW5</i> expression. <i>Brain</i> , 2022, 145, 770-786.	3.7	8
20860	Placental gene network modules are associated with maternal stress during pregnancy and infant temperament. <i>FASEB Journal</i> , 2021, 35, e21922.	0.2	4
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20863	Uterine glands impact embryo survival and stromal cell decidualization in mice. <i>FASEB Journal</i> , 2021, 35, e21938.	0.2	7
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20865	Antigen Presenting Cells Link the Female Genital Tract Microbiome to Mucosal Inflammation, With Hormonal Contraception as an Additional Modulator of Inflammatory Signatures. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 733619.	1.8	8

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20867	Transcriptome Profiling Based on Different Time Points After Hatching Provides a Core Set of Gene Resource for Understanding Larval Immune Response Mechanisms Against <i>Vibrio anguillarum</i> Infection in <i>Amphioctopus fangsiao</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	6
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20876	Protein Aggregation Is an Early Manifestation of Phospholamban p.(Arg14del)â€”Related Cardiomyopathy: Development of PLN-R14delâ€”Related Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2021, 14, e008532.	1.6	17
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20883	Enriched H3K4me3 marks at Pm-0 resistance-related genes prime courgette against <i>Podosphaera xanthii</i> . <i>Plant Physiology</i> , 2022, 188, 576-592.	2.3	4
20884	Early-Stage Primary Anti-inflammatory Therapy Enhances the Regenerative Efficacy of Platelet-Rich Plasma in a Rabbit Achilles Tendinopathy Model. <i>American Journal of Sports Medicine</i> , 2021, 49, 3357-3371.	1.9	6
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20886	YAP establishes epiblast responsiveness to inductive signals for germ cell fate. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	10
20887	Spliceostatin A interaction with SF3B limits U1 snRNP availability and causes premature cleavage and polyadenylation. <i>Cell Chemical Biology</i> , 2021, 28, 1356-1365.e4.	2.5	8
20888	The Th1 cell regulatory circuitry is largely conserved between human and mouse. <i>Life Science Alliance</i> , 2021, 4, e202101075.	1.3	1
20889	Serum amyloid A delivers retinol to intestinal myeloid cells to promote adaptive immunity. <i>Science</i> , 2021, 373, eabf9232.	6.0	45



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20893	Cooperation between melanoma cell states promotes metastasis through heterotypic cluster formation. <i>Developmental Cell</i> , 2021, 56, 2808-2825.e10.	3.1	37
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20910	Blood transcriptional response to treatment-resistant depression during electroconvulsive therapy. <i>Journal of Psychiatric Research</i> , 2021, 141, 92-103.	1.5	5
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20914	Combined glucocorticoid resistance and hyperlactatemia contributes to lethal shock in sepsis. <i>Cell Metabolism</i> , 2021, 33, 1763-1776.e5.	7.2	28
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20918	LIN37-DREAM prevents DNA end resection and homologous recombination at DNA double-strand breaks in quiescent cells. <i>ELife</i> , 2021, 10, .	2.8	14
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20921	Accelerated aging of the brain transcriptome by the common chemotherapeutic doxorubicin. <i>Experimental Gerontology</i> , 2021, 152, 111451.	1.2	9
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20925	Regulation of the Muscarinic M3 Receptor by Myocardin-Related Transcription Factors. <i>Frontiers in Physiology</i> , 2021, 12, 710968.	1.3	5
20926	The NF- $\hat{I}$ B Transcriptional Footprint Is Essential for SARS-CoV-2 Replication. <i>Journal of Virology</i> , 2021, 95, e0125721.	1.5	69
20927	Cyclic Hypoxia Conditioning Alters the Content of Myoblast-Derived Extracellular Vesicles and Enhances Their Cell-Protective Functions. <i>Biomedicines</i> , 2021, 9, 1211.	1.4	4
20928	The Effects of Adoptively Transferred IL-23/IL-18-Polarized Neutrophils on Tumor and Collagen-Induced Arthritis in Mice. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 4669-4686.	1.6	9
20929	Protocol for using heterologous spike-ins to normalize for technical variation in chromatin immunoprecipitation. <i>STAR Protocols</i> , 2021, 2, 100609.	0.5	4
20930	Nitazoxanide induced myocardial injury in zebrafish embryos by activating oxidative stress response. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9740-9752.	1.6	9
20931	miRNome profiling in Duchenne muscular dystrophy; identification of asymptomatic and manifesting female carriers. <i>Bioscience Reports</i> , 2021, 41, .	1.1	0
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20936	Blocked pollen release prevents fruit formation in the halophyte <i>Elaeagnus angustifolia</i> in non-saline habitats. <i>Environmental and Experimental Botany</i> , 2021, 189, 104566.	2.0	1
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20938	Extensive Translational Regulation through the Proliferative Transition of <i>Trypanosoma cruzi</i> Revealed by Multi-Omics. <i>MSphere</i> , 2021, 6, e0036621.	1.3	10
20939	JUN promotes hypertrophic skin scarring via CD36 in preclinical in vitro and in vivo models. <i>Science Translational Medicine</i> , 2021, 13, eabb3312.	5.8	32
20940	Electronic cigarette smoke reduces ribosomal protein gene expression to impair protein synthesis in primary human airway epithelial cells. <i>Scientific Reports</i> , 2021, 11, 17517.	1.6	7
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20943	Periodic root branching is influenced by light through an HY1-HY5-auxin pathway. <i>Current Biology</i> , 2021, 31, 3834-3847.e5.	1.8	27
20944	Vaginal microbiome topic modeling of laboring Ugandan women with and without fever. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 75.	2.9	5
20945	Integrated Bioinformatics Analysis of Potential mRNA and miRNA Regulatory Networks in Mice With Ischemic Stroke Treated by Electroacupuncture. <i>Frontiers in Neurology</i> , 2021, 12, 719354.	1.1	0
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20947	Evidence for accelerated aging in mammary epithelia of women carrying germline BRCA1 or BRCA2 mutations. <i>Nature Aging</i> , 2021, 1, 838-849.	5.3	27
20949	Novel variants in <i>KAT6B</i> spectrum of disorders expand our knowledge of clinical manifestations and molecular mechanisms. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2021, 9, e1809.	0.6	4
20950	Enhancer decommissioning imposes an epigenetic barrier to sensory hair cell regeneration. <i>Developmental Cell</i> , 2021, 56, 2471-2485.e5.	3.1	37
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20952	Disease-specific eQTL screening reveals an anti-fibrotic effect of AGXT2 in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2021, 75, 514-523.	1.8	16
20953	RNA sequencing and immunofluorescence of the myotendinous junction of mature horses and humans. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C453-C470.	2.1	6

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20957	Mechanism of Fuzheng Kangâ€™mai Formula Regulating Tumor Microenvironment in Non-Small Cell Lung Cancer. <i>Chinese Journal of Integrative Medicine</i> , 2022, 28, 425-433.	0.7	2
20958	<i>TRANS-ACTING SIRNA3</i> -derived short interfering RNAs confer cleavage of mRNAs in rice. <i>Plant Physiology</i> , 2022, 188, 347-362.	2.3	6
20959	TDP-43 condensation properties specify its RNA-binding and regulatory repertoire. <i>Cell</i> , 2021, 184, 4680-4696.e22.	13.5	121
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20961	Hydrocarbon substrate richness impacts microbial abundance, microbiome composition, and hydrocarbon loss. <i>Applied Soil Ecology</i> , 2021, 165, 104015.	2.1	3
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20964	Exploring the mechanisms by which reindeer droppings induce fen peat methane production. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108318.	4.2	3
20965	Targeting Aurora B kinase prevents and overcomes resistance to EGFR inhibitors in lung cancer by enhancing BIM- and PUMA-mediated apoptosis. <i>Cancer Cell</i> , 2021, 39, 1245-1261.e6.	7.7	58
20966	Formation of spermatogonia and fertile oocytes in golden hamsters requires piRNAs. <i>Nature Cell Biology</i> , 2021, 23, 992-1001.	4.6	29
20967	Comparison of merging strategies for building machine learning models on multiple independent gene expression data sets. <i>Statistical Analysis and Data Mining</i> , 0, , .	1.4	1
20968	Genomic and physiological analyses of the zebrafish atrioventricular canal reveal molecular building blocks of the secondary pacemaker region. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6669-6687.	2.4	6
20970	Human cytomegalovirus expands a CD8 <sup>+</sup> T cell population with loss of <i>BCL11B</i> expression and gain of NK cell identity. <i>Science Immunology</i> , 2021, 6, eabe6968.	5.6	25
20973	The influence of alfalfa switchgrass intercropping on microbial community structure and function. <i>Environmental Microbiology</i> , 2021, 23, 6828-6843.	1.8	5
20974	Novel Approach Combining Transcriptional and Evolutionary Signatures to Identify New Multiciliation Genes. <i>Genes</i> , 2021, 12, 1452.	1.0	3
20975	Systematic Analysis of Monoallelic Gene Expression and Chromatin Accessibility Across Multiple Tissues in Hybrid Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 717555.	1.8	0
20976	Functional characterization of T2D-associated SNP effects on baseline and ER stress-responsive $\hat{I}^2$ cell transcriptional activation. <i>Nature Communications</i> , 2021, 12, 5242.	5.8	13

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20981	The Expression of IbMYB1 Is Essential to Maintain the Purple Color of Leaf and Storage Root in Sweet Potato [ <i>Ipomoea batatas</i> (L.) Lam]. <i>Frontiers in Plant Science</i> , 2021, 12, 688707.	1.7	7
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20985	A Computational Framework to Identify Transcriptional and Network Differences between Hepatocellular Carcinoma and Normal Liver Tissue and Their Applications in Repositioning Drugs. <i>BioMed Research International</i> , 2021, 2021, 1-11.	0.9	1
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20988	Selective HIF stabilization alleviates hepatocellular steatosis and ballooning in a rodent model of 70% liver resection. <i>Clinical Science</i> , 2021, 135, 2285-2305.	1.8	5
20989	Transcriptional Profile of the Industrial Hybrid <i>Saccharomyces pastorianus</i> Reveals Temperature-Dependent Allele Expression Bias and Preferential Orthologous Protein Assemblies. <i>Molecular Biology and Evolution</i> , 2021, 38, 5437-5452.	3.5	15
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20991	Social groups constrain the spatiotemporal dynamics of wild sifaka gut microbiomes. <i>Molecular Ecology</i> , 2021, 30, 6759-6775.	2.0	16
20992	The role of pollination in controlling <i>Ginkgo biloba</i> ovule development. <i>New Phytologist</i> , 2021, 232, 2353-2368.	3.5	8
20993	Genomic analysis unveils mechanisms of northward invasion and signatures of plateau adaptation in the Asian house rat. <i>Molecular Ecology</i> , 2021, 30, 6596-6610.	2.0	10
20994	Histone H3 lysine 27 acetylation profile undergoes two global shifts in undernourished children and suggests altered one-carbon metabolism. <i>Clinical Epigenetics</i> , 2021, 13, 182.	1.8	7

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20996	Specific Î²-Defensins Stimulate Pruritus through Activation of Sensory Neurons. <i>Journal of Investigative Dermatology</i> , 2022, 142, 594-602.	0.3	8
20999	Uncovering Transcriptional Responses to Fractional Gravity in Arabidopsis Roots. <i>Life</i> , 2021, 11, 1010.	1.1	10
21001	Chronic 3D Vascular-Immune Interface Established by Coculturing Pressurized Resistance Arteries and Immune Cells. <i>Hypertension</i> , 2021, 78, 1648-1661.	1.3	7
21002	Isolation and characterization of urine microvesicles from prostate cancer patients: different approaches, different visions. <i>BMC Urology</i> , 2021, 21, 137.	0.6	8
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21005	Differentiation of the High Night Temperature Response in Leaf Segments of Rice Cultivars with Contrasting Tolerance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10451.	1.8	2
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21008	Transcriptomic Time-Series Analyses of Gene Expression Profile During Zygotic Embryo Development in <i>Picea mongolica</i> . <i>Frontiers in Genetics</i> , 2021, 12, 738649.	1.1	3
21009	Comparative Transcriptome Analysis in Monocyte-Derived Macrophages of Asymptomatic GBA Mutation Carriers and Patients with GBA-Associated Parkinson's Disease. <i>Genes</i> , 2021, 12, 1545.	1.0	9
21011	Effects of Light Intensity and Spectral Composition on the Transcriptome Profiles of Leaves in Shade Grown Tea Plants ( <i>Camellia sinensis</i> L.) and Regulatory Network of Flavonoid Biosynthesis. <i>Molecules</i> , 2021, 26, 5836.	1.7	36
21013	In Silico Methods for the Identification of Diagnostic and Favorable Prognostic Markers in Acute Myeloid Leukemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9601.	1.8	8
21014	RNA Solutions: Synthesizing Information to Support Transcriptomics (RNASSIST). <i>Bioinformatics</i> , 2021, , .	1.8	0
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21016	Orexin receptors 1 and 2 in serotonergic neurons differentially regulate peripheral glucose metabolism in obesity. <i>Nature Communications</i> , 2021, 12, 5249.	5.8	17
21017	NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity. <i>Blood Cancer Discovery</i> , 2021, 2, 648-665.	2.6	37
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21019	Blood small extracellular vesicles derived miRNAs to differentiate pancreatic ductal adenocarcinoma from chronic pancreatitis. <i>Clinical and Translational Medicine</i> , 2021, 11, e520.	1.7	10

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21161	Glucocorticoid-induced Fingerprints on Visceral Adipose Tissue Transcriptome and Epigenome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 150-166.	1.8	5
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21189	Intrathymic differentiation of natural antibody-producing plasma cells in human neonates. <i>Nature Communications</i> , 2021, 12, 5761.	5.8	12
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21200	Acclimation of photosynthesis and lipids biosynthesis to prolonged nitrogen and phosphorus limitation in <i>Nannochloropsis gaditana</i> . <i>Algal Research</i> , 2021, 58, 102368.	2.4	18
21201	Integrative analysis of metabolome and transcriptome reveals the mechanism of color formation in white root ( <i>Salvia miltiorrhiza</i> ). <i>Industrial Crops and Products</i> , 2021, 170, 113784.	2.5	20
21202	Adipocyte-driven unfolded protein response is a shared transcriptomic signature of metastatic prostate carcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119101.	1.9	3
21203	Topoxalin increases chemotherapy efficacy in drug-resistant breast cancer cells overexpressing the multidrug transporter gene ABCB1. <i>Translational Oncology</i> , 2021, 14, 101181.	1.7	4
21204	Transcriptomics reveal triphenyltin-induced molecular toxicity in the marine mussel <i>Perna viridis</i> . <i>Science of the Total Environment</i> , 2021, 790, 148040.	3.9	7
21205	Effects of sodium salicylate and time postpartum on mammary tissue proliferation, gene transcript profile, and DNA methylation. <i>Journal of Dairy Science</i> , 2021, 104, 11259-11276.	1.4	1
21206	Wisdom of the crowds: A suggested polygenic plan for small-RNA-mediated regulation in bacteria. <i>IScience</i> , 2021, 24, 103096.	1.9	7
21207	Dataset for: Modeling chemotherapy induced neurotoxicity with human induced pluripotent stem cell (iPSC)-derived sensory neurons. <i>Data in Brief</i> , 2021, 38, 107320.	0.5	2
21208	Impaired GSH biosynthesis disrupts eye development, lens morphogenesis and PAX6 function. <i>Ocular Surface</i> , 2021, 22, 190-203.	2.2	10
21209	The n-butanol fraction of the Xiao-Chai-Hu decoction alleviates the endocrine disturbance in the liver of mice exposed to lead. <i>Journal of Ethnopharmacology</i> , 2021, 279, 114381.	2.0	4
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21212	Interleukin-22 mitigates acute respiratory distress syndrome (ARDS). <i>PLoS ONE</i> , 2021, 16, e0254985.	1.1	9
21213	Transcriptomic analysis reveals a role of phenylpropanoid pathway in the enhancement of chilling tolerance by pre-storage cold acclimation in cucumber fruit. <i>Scientia Horticulturae</i> , 2021, 288, 110282.	1.7	19
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21215	Effect of in vitro growth on mouse oocyte competency, mitochondria and transcriptome. <i>Reproduction</i> , 2021, 162, 307-318.	1.1	8
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21218	Mitogen-induced transcriptional programming in human fibroblasts. <i>Gene</i> , 2021, 800, 145842.	1.0	4
21219	Immunogenomics of Colorectal Cancer Response to Checkpoint Blockade: Analysis of the KEYNOTE 177 Trial and Validation Cohorts. <i>Gastroenterology</i> , 2021, 161, 1179-1193.	0.6	62
21220	The SON RNA splicing factor is required for intracellular trafficking structures that promote centriole assembly and ciliogenesis. <i>Molecular Biology of the Cell</i> , 2021, 32, ar4.	0.9	5
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21225	Placental Changes in the serotonin transporter ( <i>Slc6a4</i> ) knockout mouse suggest a role for serotonin in controlling nutrient acquisition. <i>Placenta</i> , 2021, 115, 158-168.	0.7	8
21226	Discovery of Antimicrobial Peptide Macrocycles Through Bacterial Display. <i>Methods in Molecular Biology</i> , 2022, 2371, 287-298.	0.4	6
21227	Multi-omics responses of red algae <i>Pyropia haitanensis</i> to intertidal desiccation during low tides. <i>Algal Research</i> , 2021, 58, 102376.	2.4	26
21228	Transcript responses to drought in Kentucky bluegrass ( <i>Poa pratensis</i> L.) germplasm varying in their tolerance to drought stress. <i>Environmental and Experimental Botany</i> , 2021, 190, 104571.	2.0	5
21229	Transcriptomic study of the mechanism by which the Kai Yu Zhong Yu recipe improves oocyte quality in a stressed mouse model. <i>Journal of Ethnopharmacology</i> , 2021, 278, 114298.	2.0	1
21230	Comparative transcriptome analysis of the molecular mechanism underlying the golden red colour in mutant Taiwanese loach. <i>Aquaculture</i> , 2021, 543, 736979.	1.7	12
21231	The probiotic <i>Lactobacillus rhamnosus</i> mimics the dark-driven regulation of appetite markers and melatonin receptors' expression in zebrafish ( <i>Danio rerio</i> ) larvae: Understanding the role of the gut microbiome. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 256, 110634.	0.7	14
21232	Identification of a novel mutation gene signature HAMP for cholangiocarcinoma through comprehensive TCGA and GEO data mining. <i>International Immunopharmacology</i> , 2021, 99, 108039.	1.7	9
21233	Full-length sequencing of <i>Ginkgo biloba</i> L. reveals the synthesis of terpenoids during seed development. <i>Industrial Crops and Products</i> , 2021, 170, 113714.	2.5	10
21234	Transcriptome profiling of Jerusalem artichoke seedlings ( <i>Helianthus tuberosus</i> L.) under polyethylene glycol-simulated drought stress. <i>Industrial Crops and Products</i> , 2021, 170, 113696.	2.5	6



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21236	Splicing factor Srsf5 deletion disrupts alternative splicing and causes noncompaction of ventricular myocardium. <i>IScience</i> , 2021, 24, 103097.	1.9	4
21237	Effect of arabinogalactan on the gut microbiome: A randomized, double-blind, placebo-controlled, crossover trial in healthy adults. <i>Nutrition</i> , 2021, 90, 111273.	1.1	12
21238	Transcriptome analysis reveals important candidate gene families related to oligosaccharides biosynthesis in <i>Morinda officinalis</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 167, 1061-1071.	2.8	8
21239	Cycling between growth and production phases increases cyanobacteria bioproduction of lactate. <i>Metabolic Engineering</i> , 2021, 68, 131-141.	3.6	21
21240	In vitro expansion of cirrhosis derived liver epithelial cells with defined small molecules. <i>Stem Cell Research</i> , 2021, 56, 102523.	0.3	5
21241	The Flagellin:Allergen Fusion Protein rFlaA:Betv1 Induces a MyD88 <sup>â</sup> and MAPK-Dependent Activation of Glucose Metabolism in Macrophages. <i>Cells</i> , 2021, 10, 2614.	1.8	13
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21245	In silico drug repurposing for the treatment of heart diseases using gene expression data and molecular docking techniques. <i>Biochemical and Biophysical Research Communications</i> , 2021, 572, 138-144.	1.0	1
21246	Mixtures of rare earth elements show antagonistic interactions in <i>Chlamydomonas reinhardtii</i> . <i>Environmental Pollution</i> , 2021, 287, 117594.	3.7	8
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21248	Subtype-Specific Analyses Reveal Infiltrative Basal Cell Carcinomas Are Highly Interactive with their Environment. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2380-2390.	0.3	13
21249	B-cells are abnormal in psychosocial stress and regulate meningeal myeloid cell activation. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 226-238.	2.0	13
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21252	Application of transcriptome analysis to understand the adverse effects of hydrogen peroxide exposure on brain function in common carp ( <i>Cyprinus carpio</i> ). <i>Environmental Pollution</i> , 2021, 286, 117240.	3.7	11
21253	Transcriptome and metabolome analyses revealed the response mechanism of apple to different phosphorus stresses. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 639-650.	2.8	45
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21256	Survival of the fittest: Prokaryotic communities within a SWRO desalination plant. <i>Desalination</i> , 2021, 514, 115152.	4.0	6
21257	Transcriptomic signature of extinction learning in the brain of the fire-bellied toad, <i>Bombina orientalis</i> . <i>Neurobiology of Learning and Memory</i> , 2021, 184, 107502.	1.0	4
21258	Temporal transcriptomic alterations of cadmium exposed human iPSC-derived renal proximal tubule-like cells. <i>Toxicology in Vitro</i> , 2021, 76, 105229.	1.1	9
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21261	Transcriptional Profiling of Tumorspheres Reveals TRPM4 as a Novel Stemness Regulator in Breast Cancer. <i>Biomedicines</i> , 2021, 9, 1368.	1.4	9
21262	Applications of single-cell genomics and computational strategies to study common disease and population-level variation. <i>Genome Research</i> , 2021, 31, 1728-1741.	2.4	11
21263	Dynamically expressed genes provide candidate viability biomarkers in a model coccidian. <i>PLoS ONE</i> , 2021, 16, e0258157.	1.1	5
21264	Effect of dark environment on intestinal flora and expression of genes related to liver metabolism in zebrafish ( <i>Danio rerio</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 249, 109100.	1.3	5
21265	Integrated small RNA, mRNA, and degradome sequencing reveals the important role of miRNAs in the interactions between parasitic plant <i>Cuscuta australis</i> and its host <i>Trifolium repens</i> . <i>Scientia Horticulturae</i> , 2021, 289, 110458.	1.7	5
21266	Establishment of myoblast cell line and identification of key genes regulating myoblast differentiation in a marine teleost, <i>Sebastes schlegelii</i> . <i>Gene</i> , 2021, 802, 145869.	1.0	17
21267	Transcriptome and metabolome profiling revealing anthocyanin and phenolic acid biosynthetic mechanisms in sweet osmanthus pericarp. <i>Scientia Horticulturae</i> , 2021, 289, 110489.	1.7	6
21268	Nlx6.1 enhances neural stem cell activation and attenuates glial scar formation and neuroinflammation in the adult injured spinal cord. <i>Experimental Neurology</i> , 2021, 345, 113826.	2.0	13
21269	Evaluating adaptive stress response gene signatures using transcriptomics. <i>Computational Toxicology</i> , 2021, 20, 100179.	1.8	5
21270	MicFunPred: A conserved approach to predict functional profiles from 16S rRNA gene sequence data. <i>Genomics</i> , 2021, 113, 3635-3643.	1.3	22
21271	Extensive NEUROG3 occupancy in the human pancreatic endocrine gene regulatory network. <i>Molecular Metabolism</i> , 2021, 53, 101313.	3.0	20
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21273	Conformational Changes of ROR $\beta$ During Response Element Recognition and Coregulator Engagement. <i>Journal of Molecular Biology</i> , 2021, 433, 167258.	2.0	4

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21275	Transcriptomic analysis reveals key genes associated with the biosynthesis regulation of phenolics in fresh-cut pitaya fruit ( <i>Hylocereus undatus</i> ). <i>Postharvest Biology and Technology</i> , 2021, 181, 111684.	2.9	15
21276	A quantitative metabolic analysis reveals <i>Acetobacterium woodii</i> as a flexible and robust host for formate-based bioproduction. <i>Metabolic Engineering</i> , 2021, 68, 68-85.	3.6	18
21277	Chronic adolescent stress increases exploratory behavior but does not appear to change the acute stress response in adult male C57BL/6 mice. <i>Neurobiology of Stress</i> , 2021, 15, 100388.	1.9	3
21278	Bacterial community structure and putative nitrogen-cycling functional traits along a charosphere gradient under waterlogged conditions. <i>Soil Biology and Biochemistry</i> , 2021, 162, 108420.	4.2	21
21279	Gene expression correlates of advanced epigenetic age and psychopathology in postmortem cortical tissue. <i>Neurobiology of Stress</i> , 2021, 15, 100371.	1.9	14
21280	Farming systems influence the compositional, structural, and functional characteristics of the sugarcane-associated microbiome. <i>Microbiological Research</i> , 2021, 252, 126866.	2.5	2
21281	Non-coding Natural Antisense Transcripts: Analysis and Application. <i>Journal of Biotechnology</i> , 2021, 340, 75-101.	1.9	12
21282	Large within, and between, species differences in marine cellular responses: Unpredictability in a changing environment. <i>Science of the Total Environment</i> , 2021, 794, 148594.	3.9	10
21283	RNA editing signatures identify melanoma patients who respond to Pembrolizumab or Nivolumab treatment. <i>Translational Oncology</i> , 2021, 14, 101197.	1.7	2
21284	Biological adaptive mechanisms displayed by a freshwater plant to live in aquatic and terrestrial environments. <i>Environmental and Experimental Botany</i> , 2021, 191, 104623.	2.0	12
21285	Comparative transcriptomics reveals osmotic and ionic stress key genes contributing to the difference in the salinity tolerance of two pak choi cultivars. <i>Environmental and Experimental Botany</i> , 2021, 191, 104621.	2.0	3
21286	Effects of Silver Nanoparticles and Silver Nitrate on mRNA and microRNA Expression in Human Hepatocellular Carcinoma Cells (HepG2). <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5414-5428.	0.9	6
21287	Adding alfalfa to an annual crop rotation shifts the composition and functional responses of tomato rhizosphere microbial communities. <i>Applied Soil Ecology</i> , 2021, 167, 104102.	2.1	18
21288	Psychobiology of Stress and Adolescent Depression (PSY SAD) Study: Protocol overview for an fMRI-based multi-method investigation. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 17, 100334.	1.3	2
21289	MIDGET: Detecting differential gene expression on microarray data. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 211, 106418.	2.6	2
21290	A RING type ubiquitin ligase PhCUL4 is involved in thermotolerance of <i>Pyropia haitanensis</i> . <i>Algal Research</i> , 2021, 59, 102448.	2.4	6
21291	Polyketide synthase genes and molecular trade-offs in the ichthyotoxic species <i>Prymnesium parvum</i> . <i>Science of the Total Environment</i> , 2021, 795, 148878.	3.9	10

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21293	Early adaptive chromatin remodeling events precede pathologic phenotypes and are reinforced in the failing heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 160, 73-86.	0.9	17
21294	FPS-ZM1 inhibits LPS-induced microglial inflammation by suppressing JAK/STAT signaling pathway. <i>International Immunopharmacology</i> , 2021, 100, 108117.	1.7	11
21295	MTADV 5-MER peptide suppresses chronic inflammations as well as autoimmune pathologies and unveils a new potential target-Serum Amyloid A. <i>Journal of Autoimmunity</i> , 2021, 124, 102713.	3.0	8
21296	Compartmentalization of mRNAs in the giant, unicellular green alga <i>Acetabularia acetabulum</i> . <i>Algal Research</i> , 2021, 59, 102440.	2.4	2
21297	Characterizing algal microbiomes using long-read nanopore sequencing. <i>Algal Research</i> , 2021, 59, 102456.	2.4	13
21298	Evolutionarily conserved transcriptional landscape of the heart defining the chamber specific physiology. <i>Genomics</i> , 2021, 113, 3782-3792.	1.3	1
21299	Physiological and dynamic transcriptome analysis of two potato varieties reveal response of lignin and MAPK signal to dry rot caused by <i>Fusarium sulphureum</i> . <i>Scientia Horticulturae</i> , 2021, 289, 110470.	1.7	4
21300	Identification of joint gene players implicated in the pathogenesis of HTLV-1 and BLV through a comprehensive system biology analysis. <i>Microbial Pathogenesis</i> , 2021, 160, 105153.	1.3	11
21301	A NAC transcription factor BrNAC087 is involved in gibberellin-delayed leaf senescence in Chinese flowering cabbage. <i>Postharvest Biology and Technology</i> , 2021, 181, 111673.	2.9	14
21302	Integrated analysis of miRNA-mRNA regulatory networks of potato ( <i>Solanum tuberosum</i> L.) in response to cadmium stress. <i>Ecotoxicology and Environmental Safety</i> , 2021, 224, 112682.	2.9	20
21303	The salmon louse genome: Copepod features and parasitic adaptations. <i>Genomics</i> , 2021, 113, 3666-3680.	1.3	17
21304	Antagonistic epistasis of Hnf4 $\beta$ and FoxO1 metabolic networks through enhancer interactions in $\beta$ -cell function. <i>Molecular Metabolism</i> , 2021, 53, 101256.	3.0	5
21305	Bacterial diversity in organic and conventional Minas Frescal cheese production using targeted 16S rRNA sequencing. <i>International Dairy Journal</i> , 2021, 122, 105139.	1.5	4
21306	Early life adversity predicts brain-gut alterations associated with increased stress and mood. <i>Neurobiology of Stress</i> , 2021, 15, 100348.	1.9	22
21307	Identification and characterization of circRNAs in the liver of blunt snout bream ( <i>Megalobrama</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 2021, 124, 104185.	1.0	16
21308	Hepatic mTORC1 signaling activates ATF4 as part of its metabolic response to feeding and insulin. <i>Molecular Metabolism</i> , 2021, 53, 101309.	3.0	16
21309	Discrete genetic loci in human gut <i>Bacteroides thetaiotaomicron</i> confer pectin metabolism. <i>Carbohydrate Polymers</i> , 2021, 272, 118534.	5.1	10

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21310	Distinct transcriptomic profiles of naïve CD4+ T cells distinguish HIV-1 infected patients initiating antiretroviral therapy at acute or chronic phase of infection. <i>Genomics</i> , 2021, 113, 3487-3500.	1.3	6
21311	Comparative transcriptome analysis reveals potential testosterone function-related regulatory genes/pathways of Leydig cells in immature and mature buffalo ( <i>Bubalus bubalis</i> ) testes. <i>Gene</i> , 2021, 802, 145870.	1.0	3
21312	Co-occurring microorganisms regulate the succession of cyanobacterial harmful algal blooms. <i>Environmental Pollution</i> , 2021, 288, 117682.	3.7	39
21313	Diet and exercise reduce pre-existing NASH and fibrosis and have additional beneficial effects on the vasculature, adipose tissue and skeletal muscle via organ-crosstalk. <i>Metabolism: Clinical and Experimental</i> , 2021, 124, 154873.	1.5	28
21314	Amyloid beta acts synergistically as a pro-inflammatory cytokine. <i>Neurobiology of Disease</i> , 2021, 159, 105493.	2.1	29
21315	Effects of bioturbation by tubificid worms on biogeochemical processes, bacterial community structure and diversity in heterotrophic wetland sediments. <i>Science of the Total Environment</i> , 2021, 795, 148842.	3.9	9
21316	<i>Mycobacterium abscessus</i> biofilms produce an extracellular matrix and have a distinct mycolic acid profile. <i>Cell Surface</i> , 2021, 7, 100051.	1.5	23
21317	Multiple targets identified with genome wide profiling of small RNA and mRNA expression are linked to fracture healing in mice. <i>Bone Reports</i> , 2021, 15, 101115.	0.2	3
21318	Combinatorial therapy in tumor microenvironment: Where do we stand?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188585.	3.3	48
21319	Transcriptome-wide study in the green microalga <i>Messastrum gracile</i> SE-MC4 identifies prominent roles of photosynthetic integral membrane protein genes during exponential growth stage. <i>Phytochemistry</i> , 2021, 192, 112936.	1.4	4
21320	Comparative study of the effects of biocides and metal oxide nanoparticles on microbial community structure in a stream impacted by hydraulic fracturing. <i>Chemosphere</i> , 2021, 284, 131255.	4.2	5
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21322	Diapause differentially modulates the transcriptomes of fat body and flight muscle in the Colorado potato beetle. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100906.	0.4	5
21323	Integrative analysis reveals clinically relevant molecular fingerprints in pancreatic cancer. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 11-21.	2.3	3
21324	Transcriptome analysis revealed multiple immune processes and energy metabolism pathways involved in the defense response of the large yellow croaker <i>Larimichthys crocea</i> against <i>Pseudomonas plecoglossicida</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100886.	0.4	6
21325	Systems level insights into the impact of airborne exposure on SARS-CoV-2 pathogenesis and COVID-19 outcome – A multi-omics big data study. <i>Gene Reports</i> , 2021, 25, 101312.	0.4	4
21326	High throughput screening of novel AAV capsids identifies variants for transduction of adult NSCs within the subventricular zone. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 23, 33-50.	1.8	16
21327	Using ICLite for deconvolution of bulk transcriptional data from mixed cell populations. <i>STAR Protocols</i> , 2021, 2, 100847.	0.5	1

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21328	Plant genotype and seasonality drive fine changes in olive root microbiota. <i>Current Plant Biology</i> , 2021, 28, 100219.	2.3	13
21329	Humic acids enrich the plant microbiota with bacterial candidates for the suppression of pathogens. <i>Applied Soil Ecology</i> , 2021, 168, 104146.	2.1	13
21330	Topography effect on <i>Aspergillus flavus</i> occurrence and aflatoxin B1 contamination associated with peanut. <i>Current Research in Microbial Sciences</i> , 2021, 2, 100021.	1.4	1
21331	Effect of virgin low density polyethylene microplastic ingestion on intestinal histopathology and microbiota of gilthead sea bream. <i>Aquaculture</i> , 2021, 545, 737245.	1.7	26
21332	Transcriptomic analyses of the acute aerial and ammonia stress response in the gill and liver of large-scale loach ( <i>Paramisgurnus dabryanus</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 250, 109185.	1.3	11
21333	Localized reshaping of the fungal community in response to a forest fungal pathogen reveals resilience of Mediterranean mycobiota. <i>Science of the Total Environment</i> , 2021, 800, 149582.	3.9	7
21334	CreA-mediated repression of gene expression occurs at low monosaccharide levels during fungal plant biomass conversion in a time and substrate dependent manner. <i>Cell Surface</i> , 2021, 7, 100050.	1.5	16
21335	Changes in the root fungal microbiome of strawberry following application of residues of the biofumigant oilseed radish. <i>Applied Soil Ecology</i> , 2021, 168, 104116.	2.1	7
21336	Transcriptome analysis reveals that high temperatures alter modes of lipid metabolism in juvenile turbot ( <i>Scophthalmus maximus</i> ) liver. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100887.	0.4	21
21337	Transcriptome analysis of growth variation in early juvenile stage sandfish <i>Holothuria scabra</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100904.	0.4	2
21338	Metagenomic analysis of MWWTP effluent treated via solar photo-Fenton at neutral pH: Effects upon microbial community, priority pathogens, and antibiotic resistance genes. <i>Science of the Total Environment</i> , 2021, 801, 149599.	3.9	13
21339	Transcriptome analysis reveals key genes and pathways associated with egg production in Nandan-Yao domestic chicken. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100889.	0.4	13
21340	Integrative physiological, transcriptome, and metabolome analysis reveals the effects of nitrogen sufficiency and deficiency conditions in apple leaves and roots. <i>Environmental and Experimental Botany</i> , 2021, 192, 104633.	2.0	38
21341	Effects of acute deltamethrin exposure on kidney transcriptome and intestinal microbiota in goldfish ( <i>Carassius auratus</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112716.	2.9	23
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23958	WNT signaling memory is required for ACTIVIN to function as a morphogen in human gastruloids. <i>ELife</i> , 2018, 7, .	2.8	64
23959	Condensin controls cellular RNA levels through the accurate segregation of chromosomes instead of directly regulating transcription. <i>ELife</i> , 2018, 7, .	2.8	24
23960	FoxA1 and FoxA2 drive gastric differentiation and suppress squamous identity in NKX2-1-negative lung cancer. <i>ELife</i> , 2018, 7, .	2.8	59
23961	Enhanced ER proteostasis and temperature differentially impact the mutational tolerance of influenza hemagglutinin. <i>ELife</i> , 2018, 7, .	2.8	25
23962	The cargo receptor SURF4 promotes the efficient cellular secretion of PCSK9. <i>ELife</i> , 2018, 7, .	2.8	72
23963	Single cell functional genomics reveals the importance of mitochondria in cell-to-cell phenotypic variation. <i>ELife</i> , 2019, 8, .	2.8	28
23964	Differing isoforms of the cobalamin binding photoreceptor AerR oppositely regulate photosystem expression. <i>ELife</i> , 2018, 7, .	2.8	13
23965	New insights into the cellular temporal response to proteostatic stress. <i>ELife</i> , 2018, 7, .	2.8	47
23966	Transition between fermentation and respiration determines history-dependent behavior in fluctuating carbon sources. <i>ELife</i> , 2018, 7, .	2.8	44
23967	Intergenerational epigenetic inheritance of cancer susceptibility in mammals. <i>ELife</i> , 2019, 8, .	2.8	43
23968	Plasmodium-specific atypical memory B cells are short-lived activated B cells. <i>ELife</i> , 2018, 7, .	2.8	66
23969	A new experimental platform facilitates assessment of the transcriptional and chromatin landscapes of aging yeast. <i>ELife</i> , 2018, 7, .	2.8	56
23970	Compensatory growth renders Tcf7l1a dispensable for eye formation despite its requirement in eye field specification. <i>ELife</i> , 2019, 8, .	2.8	21
23971	H3K9me3 is required for inheritance of small RNAs that target a unique subset of newly evolved genes. <i>ELife</i> , 2019, 8, .	2.8	36
23972	Identification and characterisation of hypomethylated DNA loci controlling quantitative resistance in <i>Arabidopsis</i> . <i>ELife</i> , 2019, 8, .	2.8	73

#	ARTICLE	IF	CITATIONS
23973	Targets and genomic constraints of ectopic Dnmt3b expression. <i>ELife</i> , 2018, 7, .	2.8	26
23974	Transcriptomic analysis reveals reduced transcriptional activity in the malaria parasite <i>Plasmodium cynomolgi</i> during progression into dormancy. <i>ELife</i> , 2018, 7, .	2.8	39
23975	ASH1-catalyzed H3K36 methylation drives gene repression and marks H3K27me2/3-competent chromatin. <i>ELife</i> , 2018, 7, .	2.8	50
23976	Combined transcriptome and proteome profiling reveals specific molecular brain signatures for sex, maturation and circalunar clock phase. <i>ELife</i> , 2019, 8, .	2.8	51
23977	Stem cells repurpose proliferation to contain a breach in their niche barrier. <i>ELife</i> , 2018, 7, .	2.8	38
23978	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
23979	Muscle-specific stress fibers give rise to sarcomeres in cardiomyocytes. <i>ELife</i> , 2018, 7, .	2.8	67
23980	Screening for insulin-independent pathways that modulate glucose homeostasis identifies androgen receptor antagonists. <i>ELife</i> , 2018, 7, .	2.8	16
23981	A combination of transcription factors mediates inducible interchromosomal contacts. <i>ELife</i> , 2019, 8, .	2.8	16
23982	The Hox transcription factor <i>Ubx</i> stabilizes lineage commitment by suppressing cellular plasticity in <i>Drosophila</i> . <i>ELife</i> , 2019, 8, .	2.8	22
23983	Proteotoxicity from aberrant ribosome biogenesis compromises cell fitness. <i>ELife</i> , 2019, 8, .	2.8	88
23984	Convergent recruitment of TALE homeodomain life cycle regulators to direct sporophyte development in land plants and brown algae. <i>ELife</i> , 2019, 8, .	2.8	44
23985	Beta-catenin signaling regulates barrier-specific gene expression in circumventricular organ and ocular vasculatures. <i>ELife</i> , 2019, 8, .	2.8	74
23986	Guy1, a Y-linked embryonic signal, regulates dosage compensation in <i>Anopheles stephensi</i> by increasing X gene expression. <i>ELife</i> , 2019, 8, .	2.8	15
23987	Flura-seq identifies organ-specific metabolic adaptations during early metastatic colonization. <i>ELife</i> , 2019, 8, .	2.8	46
23988	Amplification of a broad transcriptional program by a common factor triggers the meiotic cell cycle in mice. <i>ELife</i> , 2019, 8, .	2.8	78
23989	Predominance of cis-regulatory changes in parallel expression divergence of sticklebacks. <i>ELife</i> , 2019, 8, .	2.8	79
23990	Dynamic repression by <i>BCL6</i> controls the genome-wide liver response to fasting and steatosis. <i>ELife</i> , 2019, 8, .	2.8	44

#	ARTICLE	IF	CITATIONS
23991	Gene-centric functional dissection of human genetic variation uncovers regulators of hematopoiesis. <i>ELife</i> , 2019, 8, .	2.8	14
23992	Renal medullary carcinomas depend upon SMARCB1 loss and are sensitive to proteasome inhibition. <i>ELife</i> , 2019, 8, .	2.8	32
23993	A de novo evolved gene in the house mouse regulates female pregnancy cycles. <i>ELife</i> , 2019, 8, .	2.8	37
23994	A tRNA modification balances carbon and nitrogen metabolism by regulating phosphate homeostasis. <i>ELife</i> , 2019, 8, .	2.8	49
23995	Seminal fluid compromises visual perception in honeybee queens reducing their survival during additional mating flights. <i>ELife</i> , 2019, 8, .	2.8	21
23996	Endothelial EphB4 maintains vascular integrity and transport function in adult heart. <i>ELife</i> , 2019, 8, .	2.8	38
23997	Circulating T cell-monocyte complexes are markers of immune perturbations. <i>ELife</i> , 2019, 8, .	2.8	67
23998	Identification of RBPMS as a mammalian smooth muscle master splicing regulator via proximity of its gene with super-enhancers. <i>ELife</i> , 2019, 8, .	2.8	25
23999	Mucosal infection rewires TNF $\epsilon$ ' signaling dynamics to skew susceptibility to recurrence. <i>ELife</i> , 2019, 8, .	2.8	24
24000	A Myt1 family transcription factor defines neuronal fate by repressing non-neuronal genes. <i>ELife</i> , 2019, 8, .	2.8	21
24001	FMRP has a cell-type-specific role in CA1 pyramidal neurons to regulate autism-related transcripts and circadian memory. <i>ELife</i> , 2019, 8, .	2.8	70
24002	An evolutionary recent IFN/IL-6/CEBP axis is linked to monocyte expansion and tuberculosis severity in humans. <i>ELife</i> , 2019, 8, .	2.8	27
24003	In vivo Firre and Dlx4 deletion elucidates roles for autosomal gene regulation. <i>ELife</i> , 2019, 8, .	2.8	18
24004	The Tudor SND1 protein is an m6A RNA reader essential for replication of Kaposi's sarcoma-associated herpesvirus. <i>ELife</i> , 2019, 8, .	2.8	107
24005	TLE3 loss confers AR inhibitor resistance by facilitating GR-mediated human prostate cancer cell growth. <i>ELife</i> , 2019, 8, .	2.8	25
24006	Lola regulates <i>Drosophila</i> adult midgut homeostasis via non-canonical hippo signaling. <i>ELife</i> , 2020, 9, .	2.8	4
24007	A genetic selection reveals functional metastable structures embedded in a toxin-encoding mRNA. <i>ELife</i> , 2019, 8, .	2.8	12
24008	<i>Toxoplasma gondii</i> infection drives conversion of NK cells into ILC1-like cells. <i>ELife</i> , 2019, 8, .	2.8	91

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24009	Altered gating of Kv1.4 in the nucleus accumbens suppresses motivation for reward. <i>ELife</i> , 2019, 8, .	2.8	6
24010	CTCF confers local nucleosome resiliency after DNA replication and during mitosis. <i>ELife</i> , 2019, 8, .	2.8	61
24011	Cardiac neural crest contributes to cardiomyocytes in amniotes and heart regeneration in zebrafish. <i>ELife</i> , 2019, 8, .	2.8	49
24012	Screening identifies small molecules that enhance the maturation of human pluripotent stem cell-derived myotubes. <i>ELife</i> , 2019, 8, .	2.8	45
24013	Controlling gene activation by enhancers through a drug-inducible topological insulator. <i>ELife</i> , 2020, 9, .	2.8	8
24014	A regulatory microRNA network controls endothelial cell phenotypic switch during sprouting angiogenesis. <i>ELife</i> , 2020, 9, .	2.8	35
24015	Cis-regulatory basis of sister cell type divergence in the vertebrate retina. <i>ELife</i> , 2019, 8, .	2.8	30
24016	An mRNA-binding channel in the ES6S region of the translation 48S-PIC promotes RNA unwinding and scanning. <i>ELife</i> , 2019, 8, .	2.8	12
24017	Sustained expression of HeyL is critical for the proliferation of muscle stem cells in overloaded muscle. <i>ELife</i> , 2019, 8, .	2.8	40
24018	Chromatinization of <i>Escherichia coli</i> with archaeal histones. <i>ELife</i> , 2019, 8, .	2.8	23
24019	NEIL1 and NEIL2 DNA glycosylases protect neural crest development against mitochondrial oxidative stress. <i>ELife</i> , 2019, 8, .	2.8	23
24020	Neuronal TORC1 modulates longevity via AMPK and cell nonautonomous regulation of mitochondrial dynamics in <i>C. elegans</i> . <i>ELife</i> , 2019, 8, .	2.8	75
24021	Distinct mitochondrial defects trigger the integrated stress response depending on the metabolic state of the cell. <i>ELife</i> , 2020, 9, .	2.8	133
24022	Nitric oxide acts as a cotransmitter in a subset of dopaminergic neurons to diversify memory dynamics. <i>ELife</i> , 2019, 8, .	2.8	91
24023	Stimulation of Piezo1 by mechanical signals promotes bone anabolism. <i>ELife</i> , 2019, 8, .	2.8	185
24024	Genetically diverse uropathogenic <i>Escherichia coli</i> adopt a common transcriptional program in patients with UTIs. <i>ELife</i> , 2019, 8, .	2.8	56
24025	Compensatory sequence variation between trans-species small RNAs and their target sites. <i>ELife</i> , 2019, 8, .	2.8	27
24026	Combinatorial chromatin dynamics foster accurate cardiopharyngeal fate choices. <i>ELife</i> , 2019, 8, .	2.8	23

#	ARTICLE	IF	CITATIONS
24027	Developmental variability channels mouse molar evolution. <i>ELife</i> , 2020, 9, .	2.8	15
24028	Maternally regulated gastrulation as a source of variation contributing to cavefish forebrain evolution. <i>ELife</i> , 2019, 8, .	2.8	23
24029	Genome-wide CRISPR screening reveals genetic modifiers of mutant EGFR dependence in human NSCLC. <i>ELife</i> , 2019, 8, .	2.8	31
24030	An RNAi screen unravels the complexities of Rho GTPase networks in skin morphogenesis. <i>ELife</i> , 2019, 8, .	2.8	9
24031	Coopted temporal patterning governs cellular hierarchy, heterogeneity and metabolism in <i>Drosophila</i> neuroblast tumors. <i>ELife</i> , 2019, 8, .	2.8	29
24032	MicroRNA-934 is a novel primate-specific small non-coding RNA with neurogenic function during early development. <i>ELife</i> , 2020, 9, .	2.8	13
24033	Midkine is a dual regulator of wound epidermis development and inflammation during the initiation of limb regeneration. <i>ELife</i> , 2020, 9, .	2.8	30
24034	A widely distributed metalloenzyme class enables gut microbial metabolism of host- and diet-derived catechols. <i>ELife</i> , 2020, 9, .	2.8	40
24035	Partial loss of CFIm25 causes learning deficits and aberrant neuronal alternative polyadenylation. <i>ELife</i> , 2020, 9, .	2.8	25
24036	Diversification of the <i>Caenorhabditis</i> heat shock response by Helitron transposable elements. <i>ELife</i> , 2019, 8, .	2.8	21
24037	A genome-wide view of the de-differentiation of central nervous system endothelial cells in culture. <i>ELife</i> , 2020, 9, .	2.8	41
24038	Single-cell transcriptome reveals the novel role of T-bet in suppressing the immature NK gene signature. <i>ELife</i> , 2020, 9, .	2.8	19
24039	RNA polymerase mutations cause cephalosporin resistance in clinical <i>Neisseria gonorrhoeae</i> isolates. <i>ELife</i> , 2020, 9, .	2.8	31
24040	Probe-Seq enables transcriptional profiling of specific cell types from heterogeneous tissue by RNA-based isolation. <i>ELife</i> , 2019, 8, .	2.8	26
24041	Imp/IGF2BP levels modulate individual neural stem cell growth and division through myc mRNA stability. <i>ELife</i> , 2020, 9, .	2.8	57
24042	Single cell transcriptional signatures of the human placenta in term and preterm parturition. <i>ELife</i> , 2019, 8, .	2.8	216
24043	Single cell analysis reveals human cytomegalovirus drives latently infected cells towards an anergic-like monocyte state. <i>ELife</i> , 2020, 9, .	2.8	46
24044	Rejuvenating conventional dendritic cells and T follicular helper cell formation after vaccination. <i>ELife</i> , 2020, 9, .	2.8	48

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24045	Dissecting transcriptional amplification by MYC. <i>ELife</i> , 2020, 9, .	2.8	41
24046	Derivation of trophoblast stem cells from naïve human pluripotent stem cells. <i>ELife</i> , 2020, 9, .	2.8	203
24047	ERK3/MAPK6 controls IL-8 production and chemotaxis. <i>ELife</i> , 2020, 9, .	2.8	25
24048	c-Maf restrains T-bet-driven programming of CCR6-negative group 3 innate lymphoid cells. <i>ELife</i> , 2020, 9, .	2.8	22
24049	Stop codon context influences genome-wide stimulation of termination codon readthrough by aminoglycosides. <i>ELife</i> , 2020, 9, .	2.8	122
24050	FMRP promotes RNA localization to neuronal projections through interactions between its RGG domain and G-quadruplex RNA sequences. <i>ELife</i> , 2020, 9, .	2.8	89
24051	Whole brain delivery of an instability-prone <i>Mecp2</i> transgene improves behavioral and molecular pathological defects in mouse models of Rett syndrome. <i>ELife</i> , 2020, 9, .	2.8	42
24052	Identification of a molecular basis for the juvenile sleep state. <i>ELife</i> , 2020, 9, .	2.8	15
24053	Recruitment of mRNAs to P granules by condensation with intrinsically-disordered proteins. <i>ELife</i> , 2020, 9, .	2.8	96
24054	Selective egg cell polyspermy bypasses the triploid block. <i>ELife</i> , 2020, 9, .	2.8	24
24055	Losing <i>Dnmt3a</i> dependent methylation in inhibitory neurons impairs neural function by a mechanism impacting Rett syndrome. <i>ELife</i> , 2020, 9, .	2.8	44
24056	Translational control of one-carbon metabolism underpins ribosomal protein phenotypes in cell division and longevity. <i>ELife</i> , 2020, 9, .	2.8	24
24057	GATA6 mutations in hiPSCs inform mechanisms for maldevelopment of the heart, pancreas, and diaphragm. <i>ELife</i> , 2020, 9, .	2.8	31
24058	Integrated analysis of H2A.Z isoforms function reveals a complex interplay in gene regulation. <i>ELife</i> , 2020, 9, .	2.8	35
24059	Squamous trans-differentiation of pancreatic cancer cells promotes stromal inflammation. <i>ELife</i> , 2020, 9, .	2.8	61
24060	The histone modification reader ZCWPW1 links histone methylation to PRDM9-induced double-strand break repair. <i>ELife</i> , 2020, 9, .	2.8	34
24061	Polypyrimidine tract-binding proteins are essential for B cell development. <i>ELife</i> , 2020, 9, .	2.8	25
24062	Zygotic pioneer factor activity of <i>Odd-paired/Zic</i> is necessary for late function of the <i>Drosophila</i> segmentation network. <i>ELife</i> , 2020, 9, .	2.8	36



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24063	Circulating myeloid cells invade the central nervous system to mediate cachexia during pancreatic cancer. <i>ELife</i> , 2020, 9, .	2.8	34
24064	An abundant quiescent stem cell population in <i>Drosophila</i> Malpighian tubules protects principal cells from kidney stones. <i>ELife</i> , 2020, 9, .	2.8	25
24065	Epigenetic inheritance of circadian period in clonal cells. <i>ELife</i> , 2020, 9, .	2.8	14
24066	Targeting mir128-3p alleviates myocardial insulin resistance and prevents ischemia-induced heart failure. <i>ELife</i> , 2020, 9, .	2.8	14
24067	Dissecting the phenotypic and functional heterogeneity of mouse inflammatory osteoclasts by the expression of Cx3cr1. <i>ELife</i> , 2020, 9, .	2.8	38
24068	Spen links RNA-mediated endogenous retrovirus silencing and X chromosome inactivation. <i>ELife</i> , 2020, 9, .	2.8	33
24069	Nuclear receptor Ftz-f1 promotes follicle maturation and ovulation partly via bHLH/PAS transcription factor Sim. <i>ELife</i> , 2020, 9, .	2.8	26
24070	A new genetic strategy for targeting microglia in development and disease. <i>ELife</i> , 2020, 9, .	2.8	99
24071	Transposase-assisted tagmentation of RNA/DNA hybrid duplexes. <i>ELife</i> , 2020, 9, .	2.8	40
24072	NuRD subunit CHD4 regulates super-enhancer accessibility in rhabdomyosarcoma and represents a general tumor dependency. <i>ELife</i> , 2020, 9, .	2.8	36
24073	Hox-dependent coordination of mouse cardiac progenitor cell patterning and differentiation. <i>ELife</i> , 2020, 9, .	2.8	41
24074	Condensin I subunit Cap-G is essential for proper gene expression during the maturation of post-mitotic neurons. <i>ELife</i> , 2020, 9, .	2.8	13
24075	Umbilical cord blood-derived ILC1-like cells constitute a novel precursor for mature KIR+NKG2A- NK cells. <i>ELife</i> , 2020, 9, .	2.8	25
24076	Serotonin signaling by maternal neurons upon stress ensures progeny survival. <i>ELife</i> , 2020, 9, .	2.8	33
24077	Cell and molecular transitions during efficient dedifferentiation. <i>ELife</i> , 2020, 9, .	2.8	18
24078	Viral-induced alternative splicing of host genes promotes influenza replication. <i>ELife</i> , 2020, 9, .	2.8	46
24079	Delineating the early transcriptional specification of the mammalian trachea and esophagus. <i>ELife</i> , 2020, 9, .	2.8	28
24080	The antibiotic bedaquiline activates host macrophage innate immune resistance to bacterial infection. <i>ELife</i> , 2020, 9, .	2.8	66

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24081	Intra-species differences in population size shape life history and genome evolution. <i>ELife</i> , 2020, 9, .	2.8	37
24082	Genetic mapping of etiologic brain cell types for obesity. <i>ELife</i> , 2020, 9, .	2.8	79
24083	Genomic architecture and evolutionary antagonism drive allelic expression bias in the social supergene of red fire ants. <i>ELife</i> , 2020, 9, .	2.8	16
24084	Histone deacetylase knockouts modify transcription, CAG instability and nuclear pathology in Huntington disease mice. <i>ELife</i> , 2020, 9, .	2.8	9
24085	Srsf10 and the minor spliceosome control tissue-specific and dynamic SR protein expression. <i>ELife</i> , 2020, 9, .	2.8	18
24086	Enteric glia as a source of neural progenitors in adult zebrafish. <i>ELife</i> , 2020, 9, .	2.8	39
24087	<i>Caenorhabditis elegans</i> processes sensory information to choose between freeload and self-defense strategies. <i>ELife</i> , 2020, 9, .	2.8	17
24088	KRAB-zinc finger protein gene expansion in response to active retrotransposons in the murine lineage. <i>ELife</i> , 2020, 9, .	2.8	77
24089	A divergent cyclin/cyclin-dependent kinase complex controls the atypical replication of a malaria parasite during gametogony and transmission. <i>ELife</i> , 2020, 9, .	2.8	41
24090	DAZL mediates a broad translational program regulating expansion and differentiation of spermatogonial progenitors. <i>ELife</i> , 2020, 9, .	2.8	28
24091	CARD14E138A signalling in keratinocytes induces TNF-dependent skin and systemic inflammation. <i>ELife</i> , 2020, 9, .	2.8	16
24092	A tudor domain protein, SIMR-1, promotes siRNA production at piRNA-targeted mRNAs in <i>C. elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	45
24093	Differentiating <i>Drosophila</i> female germ cells initiate Polycomb silencing by regulating PRC2-interacting proteins. <i>ELife</i> , 2020, 9, .	2.8	25
24094	Critical role of WNK1 in MYC-dependent early mouse thymocyte development. <i>ELife</i> , 2020, 9, .	2.8	7
24095	Specific labeling of synaptic schwann cells reveals unique cellular and molecular features. <i>ELife</i> , 2020, 9, .	2.8	45
24096	Repurposing of KLF5 activates a cell cycle signature during the progression from a precursor state to oesophageal adenocarcinoma. <i>ELife</i> , 2020, 9, .	2.8	14
24097	Estrogen exacerbates mammary involution through neutrophil-dependent and -independent mechanism. <i>ELife</i> , 2020, 9, .	2.8	14
24098	Tissue-resident macrophages promote extracellular matrix homeostasis in the mammary gland stroma of nulliparous mice. <i>ELife</i> , 2020, 9, .	2.8	63

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24099	The role of the NMD factor UPF3B in olfactory sensory neurons. <i>ELife</i> , 2020, 9, .	2.8	18
24100	Endothelial TGF- $\beta$ <sup>2</sup> signaling instructs smooth muscle cell development in the cardiac outflow tract. <i>ELife</i> , 2020, 9, .	2.8	18
24101	Functional interrogation of HOXA9 regulome in MLLr leukemia via reporter-based CRISPR/Cas9 screen. <i>ELife</i> , 2020, 9, .	2.8	25
24102	The birth of a bacterial tRNA gene by large-scale, tandem duplication events. <i>ELife</i> , 2020, 9, .	2.8	17
24103	Isolation and transcriptomic analysis of <i>Anopheles gambiae</i> oenocytes enables the delineation of hydrocarbon biosynthesis. <i>ELife</i> , 2020, 9, .	2.8	20
24104	Mitochondrial fatty acid synthesis coordinates oxidative metabolism in mammalian mitochondria. <i>ELife</i> , 2020, 9, .	2.8	62
24105	IER5, a DNA damage response gene, is required for Notch-mediated induction of squamous cell differentiation. <i>ELife</i> , 2020, 9, .	2.8	13
24106	Irisin directly stimulates osteoclastogenesis and bone resorption in vitro and in vivo. <i>ELife</i> , 2020, 9, .	2.8	68
24107	16p11.2 microdeletion imparts transcriptional alterations in human iPSC-derived models of early neural development. <i>ELife</i> , 2020, 9, .	2.8	30
24108	IL18 signaling promotes homing of mature Tregs into the thymus. <i>ELife</i> , 2020, 9, .	2.8	28
24109	Damage-responsive, maturity-silenced enhancers regulate multiple genes that direct regeneration in <i>Drosophila</i> . <i>ELife</i> , 2020, 9, .	2.8	41
24110	An essential role for MEF2C in the cortical response to loss of sleep in mice. <i>ELife</i> , 2020, 9, .	2.8	25
24111	EDF1 coordinates cellular responses to ribosome collisions. <i>ELife</i> , 2020, 9, .	2.8	96
24112	Gene autoregulation by 3' UTR-derived bacterial small RNAs. <i>ELife</i> , 2020, 9, .	2.8	41
24113	Expansion of the circadian transcriptome in <i>Brassica rapa</i> and genome-wide diversification of paralog expression patterns. <i>ELife</i> , 2020, 9, .	2.8	26
24114	Gene regulation gravitates toward either addition or multiplication when combining the effects of two signals. <i>ELife</i> , 2020, 9, .	2.8	13
24115	Health benefits attributed to 17 $\beta$ -estradiol, a lifespan-extending compound, are mediated through estrogen receptor $\alpha$ . <i>ELife</i> , 2020, 9, .	2.8	30
24116	Dichotomous role of the human mitochondrial Na <sup>+</sup> /Ca <sup>2+</sup> /Li <sup>+</sup> exchanger NCLX in colorectal cancer growth and metastasis. <i>ELife</i> , 2020, 9, .	2.8	39

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24117	Rapid purification and metabolomic profiling of synaptic vesicles from mammalian brain. <i>ELife</i> , 2020, 9, .	2.8	32
24118	High neural activity accelerates the decline of cognitive plasticity with age in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	12
24119	Evolved bacterial resistance against fluoropyrimidines can lower chemotherapy impact in the <i>Caenorhabditis elegans</i> host. <i>ELife</i> , 2020, 9, .	2.8	19
24120	Arrayed CRISPRi and quantitative imaging describe the morphotypic landscape of essential mycobacterial genes. <i>ELife</i> , 2020, 9, .	2.8	50
24121	<i>Caenorhabditis elegans</i> methionine/S-adenosylmethionine cycle activity is sensed and adjusted by a nuclear hormone receptor. <i>ELife</i> , 2020, 9, .	2.8	44
24122	Simultaneous quantification of mRNA and protein in single cells reveals post-transcriptional effects of genetic variation. <i>ELife</i> , 2020, 9, .	2.8	33
24123	Reprogramming of bone marrow myeloid progenitor cells in patients with severe coronary artery disease. <i>ELife</i> , 2020, 9, .	2.8	23
24124	Adaptive evolution of an essential telomere protein restricts telomeric retrotransposons. <i>ELife</i> , 2020, 9, .	2.8	11
24125	Increased processing of SINE B2 ncRNAs unveils a novel type of transcriptome deregulation in amyloid beta neuropathology. <i>ELife</i> , 2020, 9, .	2.8	8
24126	Cohesin mutations are synthetic lethal with stimulation of WNT signaling. <i>ELife</i> , 2020, 9, .	2.8	22
24127	A unique chromatin profile defines adaptive genomic regions in a fungal plant pathogen. <i>ELife</i> , 2020, 9, .	2.8	37
24128	GTPBP1 resolves paused ribosomes to maintain neuronal homeostasis. <i>ELife</i> , 2020, 9, .	2.8	28
24129	Ribosomal profiling during prion disease uncovers progressive translational derangement in glia but not in neurons. <i>ELife</i> , 2020, 9, .	2.8	29
24130	Dissecting the DNA binding landscape and gene regulatory network of p63 and p53. <i>ELife</i> , 2020, 9, .	2.8	26
24131	Innovation of heterochromatin functions drives rapid evolution of essential ZAD-ZNF genes in <i>Drosophila</i> . <i>ELife</i> , 2020, 9, .	2.8	28
24132	Dimerisation of the PICTS complex via LC8/Cut-up drives co-transcriptional transposon silencing in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	28
24133	<i>Ixodes scapularis</i> microbiome correlates with life stage, not the presence of human pathogens, in ticks submitted for diagnostic testing. <i>PeerJ</i> , 2020, 8, e10424.	0.9	17
24134	miR-21 is upregulated, promoting fibrosis and blocking G2/M in irradiated rat cardiac fibroblasts. <i>PeerJ</i> , 2020, 8, e10502.	0.9	7

#	ARTICLE	IF	CITATIONS
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27820	Genetic Responses and Aflatoxin Inhibition during Co-Culture of Aflatoxigenic and Non-Aflatoxigenic <i>Aspergillus flavus</i> . <i>Toxins</i> , 2021, 13, 794.	1.5	9
27821	Multisubstrate DNA stable isotope probing reveals guild structure of bacteria that mediate soil carbon cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
27822	Direct RNA Nanopore Sequencing of <i>Pseudomonas aeruginosa</i> Clone C Transcriptomes. <i>Journal of Bacteriology</i> , 2022, 204, JB0041821.	1.0	13
27823	Multiple stages of evolutionary change in anthrax toxin receptor expression in humans. <i>Nature Communications</i> , 2021, 12, 6590.	5.8	2
27824	Variation in cis-regulation of a NAC transcription factor contributes to drought tolerance in wheat. <i>Molecular Plant</i> , 2022, 15, 276-292.	3.9	78
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27828	SNP- and Haplotype-Based GWAS of Flowering-Related Traits in <i>Brassica napus</i> . <i>Plants</i> , 2021, 10, 2475.	1.6	12
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27832	CRISPR-enhanced human adipocyte browning as cell therapy for metabolic disease. <i>Nature Communications</i> , 2021, 12, 6931.	5.8	41
27834	Progression of diabetes is associated with changes in the ileal transcriptome and ileal colon morphology in the UC Davis Type 2 Diabetes Mellitus rat. <i>Physiological Reports</i> , 2021, 9, e15102.	0.7	9
27835	Mapping the evolution of T cell states during response and resistance to adoptive cellular therapy. <i>Cell Reports</i> , 2021, 37, 109992.	2.9	37
27836	Nano-enabled Reposition of Proton Pump Inhibitors for TLR Inhibition: Toward A New Targeted Nanotherapy for Acute Lung Injury. <i>Advanced Science</i> , 2022, 9, e2104051.	5.6	13
27837	Keratinocyte-intrinsic BCL10/MALT1 activity initiates and amplifies psoriasiform skin inflammation. <i>Science Immunology</i> , 2021, 6, eabi4425.	5.6	5
27838	LncRNA ADAMTS9-AS2 is a Prognostic Biomarker and Correlated with Immune Infiltrates in Lung Adenocarcinoma. <i>International Journal of General Medicine</i> , 2021, Volume 14, 8541-8555.	0.8	24
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27852	CSF MicroRNAs Reveal Impairment of Angiogenesis and Autophagy in Parkinson Disease. <i>Neurology: Genetics</i> , 2021, 7, e633.	0.9	12
27853	LIN28B alters ribosomal dynamics to promote metastasis in MYCN-driven malignancy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
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27858	Enhancing diversity analysis by repeatedly rarefying next generation sequencing data describing microbial communities. <i>Scientific Reports</i> , 2021, 11, 22302.	1.6	80
27859	A Previously Undiscovered Circular RNA, circTNFAIP3, and Its Role in Coronavirus Replication. <i>MBio</i> , 2021, 12, e0298421.	1.8	10
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27861	Microstructural observation on pistil abortion of 'Li Guang' apricot and transcriptome reveal the mechanism of endogenous hormones involved in pistil abortion. <i>Scientia Horticulturae</i> , 2022, 293, 110749.	1.7	2
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27869	Heat shock factor 1 (HSF1) cooperates with estrogen receptor $\beta$ (ER $\beta$ ) in the regulation of estrogen action in breast cancer cells. <i>ELife</i> , 2021, 10, .	2.8	12
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27885	Transcriptome profiling based on Illumina- and SMRT-based RNA-seq reveals circadian regulation of key pathways in flower bud development in walnut. <i>PLoS ONE</i> , 2021, 16, e0260017.	1.1	1
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27899	Effects of <i>Laccaria bicolor</i> on Gene Expression of <i>Populus trichocarpa</i> Root under Poplar Canker Stress. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1024.	1.5	2
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27905	Deletion of a cyclin-dependent protein kinase inhibitor, CsSMR1, leads to dwarf and determinate growth in cucumber ( <i>Cucumis sativus</i> L.). <i>Theoretical and Applied Genetics</i> , 2022, 135, 915-927.	1.8	10
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27916	Protoplast isolation and transcriptome analysis of developing xylem in <i>Pinus massoniana</i> (Pinaceae). <i>Molecular Biology Reports</i> , 2022, 49, 1857-1869.	1.0	1
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27969	Effect of Berberine Hydrochloride Treatment on Transcriptomic Response in Gill Tissue of <i>Charybdis japonica</i> Infected With <i>Aeromonas hydrophila</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	1

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27974	MapToCleave: High-throughput profiling of microRNA biogenesis in living cells. <i>Cell Reports</i> , 2021, 37, 110015.	2.9	18
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28026	Human gut bacterial metabolism drives Th17 activation and colitis. <i>Cell Host and Microbe</i> , 2022, 30, 17-30.e9.	5.1	83
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28045	Accumulation dynamics of ARGONAUTE proteins during meiosis in <i>Arabidopsis</i> . <i>Plant Reproduction</i> , 2022, 35, 153-160.	1.3	2
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28050	An autoimmune stem-like CD8 T cell population drives type 1 diabetes. <i>Nature</i> , 2022, 602, 156-161.	13.7	85
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28067	Unravelling lncRNA mediated gene expression as potential mechanism for regulating secondary metabolism in Citrus limon. <i>Food Bioscience</i> , 2022, 46, 101448.	2.0	9
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28071	Diversity Indices of Plant Communities and Their Rhizosphere Microbiomes: An Attempt to Find the Connection. <i>Microorganisms</i> , 2021, 9, 2339.	1.6	12
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28095	Expression of neurofibromin 1 in colorectal cancer and cetuximab resistance. <i>Oncology Reports</i> , 2021, 47, .	1.2	3
28096	Transcriptional responses of skeletal stem/progenitor cells to hindlimb unloading and recovery correlate with localized but not systemic multi-systems impacts. <i>Npj Microgravity</i> , 2021, 7, 49.	1.9	5
28097	The genome variation and developmental transcriptome maps reveal genetic differentiation of skeletal muscle in pigs. <i>PLoS Genetics</i> , 2021, 17, e1009910.	1.5	22
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28102	Regulation of blood-brain barrier integrity by microbiome-associated methylamines and cognition by trimethylamine N-oxide. <i>Microbiome</i> , 2021, 9, 235.	4.9	65
28103	Homeostatic IL-13 in healthy skin directs dendritic cell differentiation to promote TH2 and inhibit TH17 cell polarization. <i>Nature Immunology</i> , 2021, 22, 1538-1550.	7.0	61
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28105	Footprints of a microbial toxin from the gut microbiome to mesencephalic mitochondria. <i>Gut</i> , 2023, 72, 73-89.	6.1	22
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28112	Psychological stress impairs IL22-driven protective gut mucosal immunity against colonising pathobionts. <i>Nature Communications</i> , 2021, 12, 6664.	5.8	26
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28118	Tribulus terrestris L. protects glomerular endothelial cells via the miR155-H2AC6 interaction network in hypertensive renal injury. <i>Annals of Translational Medicine</i> , 2021, 9, 1626-1626.	0.7	2
28119	Insights into the molecular basis of a yellow leaf color mutant (ym) in tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 Td (ly	1.7	9
28120	Protective Role of Spermidine in Colitis and Colon Carcinogenesis. <i>Gastroenterology</i> , 2022, 162, 813-827.e8.	0.6	40
28122	Multivariate statistical monitoring system for microbial population dynamics. <i>Physical Biology</i> , 2022, 19, 016003.	0.8	0
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28125	Transmembrane Protein TMEM230, a Target of Glioblastoma Therapy. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 703431.	1.8	1
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28134	Microbial regulation of hexokinase 2 links mitochondrial metabolism and cell death in colitis. <i>Cell Metabolism</i> , 2021, 33, 2355-2366.e8.	7.2	40
28135	Dynamic Expression and Regulatory Network of Circular RNA for Abdominal Preadipocytes Differentiation in Chicken ( <i>Gallus gallus</i> ). <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 761638.	1.8	12
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28137	Genome-wide screening in human kidney organoids identifies developmental and disease-related aspects of nephrogenesis. <i>Cell Stem Cell</i> , 2022, 29, 160-175.e7.	5.2	35
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28141	ASER: Animal Sex Reversal Database. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 873-881.	3.0	5
28142	Spatial and temporal intratumour heterogeneity has potential consequences for single biopsy-based neuroblastoma treatment decisions. <i>Nature Communications</i> , 2021, 12, 6804.	5.8	39
28143	Lung and Gut Microbiota Changes Associated with <i>Pseudomonas aeruginosa</i> Infection in Mouse Models of Cystic Fibrosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12169.	1.8	7
28144	Bulk Gene Expression Deconvolution Reveals Infiltration of M2 Macrophages in Retinal Neovascularization. , 2021, 62, 22.		15
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28148	Transcriptomic Remodelling of Fetal Endothelial Cells During Establishment of Inflammatory Memory. <i>Frontiers in Immunology</i> , 2021, 12, 757393.	2.2	3
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28153	Circulating miRNAs associated with bone mineral density in healthy adult baboons. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1827-1833.	1.2	4
28155	Half of specific tRNAs feeds back to promote corresponding tRNA gene transcription in vertebrate embryos. <i>Science Advances</i> , 2021, 7, eabh0494.	4.7	18
28156	Developmental series of gene expression clarifies maternal mRNA provisioning and maternal-to-zygotic transition in a reef-building coral. <i>BMC Genomics</i> , 2021, 22, 815.	1.2	11
28157	Hif-1a suppresses ROS-induced proliferation of cardiac fibroblasts following myocardial infarction. <i>Cell Stem Cell</i> , 2022, 29, 281-297.e12.	5.2	71
28158	Disease Duration Influences Gene Expression in Neuromelanin-Positive Cells From Parkinson's Disease Patients. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 763777.	1.4	9
28159	Transcriptional differentiation of <i>Trypanosoma brucei</i> during in vitro acquisition of resistance to acoziborole. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009939.	1.3	2
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29082	Intratumor Microbiome Analysis Identifies Positive Association Between <i>Megasphaera</i> and Survival of Chinese Patients With Pancreatic Ductal Adenocarcinomas. <i>Frontiers in Immunology</i> , 2022, 13, 785422.	2.2	25
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29104	DNA topoisomerase inhibition with the HIF inhibitor acriflavine promotes transcription of lncRNAs in endothelial cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 1023-1035.	2.3	7
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31306	Color fading in lotus ( <i>Nelumbo nucifera</i> ) petals is manipulated both by anthocyanin biosynthesis reduction and active degradation. <i>Plant Physiology and Biochemistry</i> , 2022, 179, 100-107.	2.8	12
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38049	<i>Nostoc</i> Talks Back: Temporal Patterns of Differential Gene Expression During Establishment of <i>Anthoceros-Nostoc</i> Symbiosis. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 917-932.	1.4	6

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38068	RPA1 controls chromatin architecture and maintains lipid metabolic homeostasis. <i>Cell Reports</i> , 2022, 40, 111071.	2.9	6
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38088	Mechanical checkpoint regulates monocyte differentiation in fibrotic niches. <i>Nature Materials</i> , 2022, 21, 939-950.	13.3	22
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39465	Chinese herbal formula (GCNY)-medicated serum alleviates peroxidation induced by H2O2 in human microglial cells. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	1
39466	Transcriptional profiling of matched patient biopsies clarifies molecular determinants of enzalutamide-induced lineage plasticity. <i>Nature Communications</i> , 2022, 13, .	5.8	11
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40140	Long-day photoperiod and cool temperature induce flowering in cassava: Expression of signaling genes. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	12
40141	Key factors for differential drought tolerance in two contrasting wild materials of <i>Artemisia wellbyi</i> identified using comparative transcriptomics. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	1
40142	Ketogenic diet uncovers differential metabolic plasticity of brain cells. <i>Science Advances</i> , 2022, 8, .	4.7	20
40144	NRF2 mediates melanoma addiction to GCDH by modulating apoptotic signalling. <i>Nature Cell Biology</i> , 2022, 24, 1422-1432.	4.6	9
40145	Transcriptome and metabolome analyses reveal the responses of brown planthoppers to RH resistant rice cultivar. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
40146	3D microenvironment attenuates simulated microgravity-mediated changes in T cell transcriptome. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	9
40147	Coneâ€setting in spruce is regulated by conserved elements of the ageâ€dependent flowering pathway. <i>New Phytologist</i> , 2022, 236, 1951-1963.	3.5	8
40148	C/EBPÎ² regulates lipid metabolism and <i>Pparg</i> isoform 2 expression in alveolar macrophages. <i>Science Immunology</i> , 2022, 7, .	5.6	5
40149	Glutamine prevents acute kidney injury by modulating oxidative stress and apoptosis in tubular epithelial cells. <i>JCI Insight</i> , 2022, 7, .	2.3	14
40150	GCN2 eIF2 kinase promotes prostate cancer by maintaining amino acid homeostasis. <i>ELife</i> , 0, 11, .	2.8	15
40151	DNA replication timing directly regulates the frequency of oncogenic chromosomal translocations. <i>Science</i> , 2022, 377, .	6.0	15
40152	Sex differences in susceptibility to influenza A virus infection depend on host genotype. <i>PLoS ONE</i> , 2022, 17, e0273050.	1.1	4
40153	Loss of Epigenetic Regulation Disrupts Lineage Integrity, Induces Aberrant Alveogenesis, and Promotes Breast Cancer. <i>Cancer Discovery</i> , 2022, 12, 2930-2953.	7.7	9
40154	Transcriptomic Analysis Reveals <i>Lactobacillus reuteri</i> Alleviating Alcohol-Induced Liver Injury in Mice by Enhancing the Farnesoid X Receptor Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 12550-12564.	2.4	6
40155	Longitudinal multi-omics analysis identifies early blood-based predictors of anti-TNF therapy response in inflammatory bowel disease. <i>Genome Medicine</i> , 2022, 14, .	3.6	15
40157	Genome-wide analysis of the WRKY gene family unveil evolutionary history and expression characteristics in tomato and its wild relatives. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
40158	Integrated analysis of immune parameters, miRNA-mRNA interaction, and immune genes expression in the liver of rainbow trout following infectious hematopoietic necrosis virus infection. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3



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40161	Resolving primary pathomechanisms driving idiopathic-like spinal curvature using a new <i>katnb1</i> scoliosis model. <i>IScience</i> , 2022, 25, 105028.	1.9	3
40162	Adaptive sampling during sequencing reveals the origins of the bovine reproductive tract microbiome across reproductive stages and sexes. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
40163	Comparative transcriptome analysis unravels the response mechanisms of <i>Cytospora mali</i> QH2 to a biocontrol agent, <i>Bacillus velezensis</i> L-1. <i>European Journal of Plant Pathology</i> , 2022, 164, 463-477.	0.8	2
40164	Identification of antiparasitic drug targets using a multi-omics workflow in the acanthocephalan model. <i>BMC Genomics</i> , 2022, 23, .	1.2	1
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40166	Signatures associated with homologous recombination deficiency and immune regulation to improve clinical outcomes in patients with lung adenocarcinoma. <i>Frontiers in Oncology</i> , 2022, 12, .	1.3	0
40167	Dual genome-wide coding and lncRNA screens in neural induction of induced pluripotent stem cells. <i>Cell Genomics</i> , 2022, 2, 100177.	3.0	10
40169	The RPN12a proteasome subunit is essential for the multiple hormonal homeostasis controlling the progression of leaf senescence. <i>Communications Biology</i> , 2022, 5, .	2.0	2
40170	Evolution of stickleback spines through independent cis-regulatory changes at <i>HOXD13</i> . <i>Nature Ecology and Evolution</i> , 2022, 6, 1537-1552.	3.4	8
40173	Identification of a C2H2 Transcription Factor (PsCZF3) Associated with RxLR Effectors and Carbohydrate-Active Enzymes in <i>Phytophthora sojae</i> Based on WGCNA. <i>Journal of Fungi (Basel)</i> , 2022, 7, 1078.	0.784314	10
40174	Reduced SPAG17 Expression in Systemic Sclerosis Triggers Myofibroblast Transition and Drives Fibrosis. <i>Journal of Investigative Dermatology</i> , 2023, 143, 284-293.	0.3	6
40175	Temperature and metal ions regulate larval diapause termination via the 20-hydroxyecdysone and juvenile hormone pathways in <i>Monoctonus alternatus</i> . <i>Pest Management Science</i> , 2023, 79, 437-446.	1.7	4
40176	NSUN2-Mediated mRNA m <sup>5</sup> C Modification Regulates the Progression of Hepatocellular Carcinoma. <i>Genomics, Proteomics and Bioinformatics</i> , 2023, 21, 823-833.	3.0	4
40177	CTCF and cohesin promote focal detachment of DNA from the nuclear lamina. <i>Genome Biology</i> , 2022, 23, .	3.8	11
40178	Bacterial composition in Swedish raw drinking water reveals three major interacting ubiquitous metacommunities. <i>MicrobiologyOpen</i> , 2022, 11, .	1.2	0
40179	Longitudinal characterization of circulating neutrophils uncovers phenotypes associated with severity in hospitalized COVID-19 patients. <i>Cell Reports Medicine</i> , 2022, 3, 100779.	3.3	25
40180	Single-cell multi-omics profiling links dynamic DNA methylation to cell fate decisions during mouse early organogenesis. <i>Genome Biology</i> , 2022, 23, .	3.8	12

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40183	STAG2 Expression is Associated with Adverse Survival Outcomes and Regulates Cell Phenotype in Muscle-invasive Bladder Cancer. <i>Cancer Research Communications</i> , 2022, 2, 1129-1143.	0.7	2
40185	Most reactions leading to neuropathic pain at dorsal root ganglion of rats with spinal nerve ligation have occurred in the early phase. <i>Animal Gene</i> , 2022, 26, 200138.	0.2	0
40186	Infection of the murine placenta by <i>Listeria monocytogenes</i> induces sex-specific responses in the fetal brain. <i>Pediatric Research</i> , 0, , .	1.1	1
40187	Detection of pan-cancer surface protein biomarkers via a network-based approach on transcriptomics data. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	2
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40189	CASK loss of function differentially regulates neuronal maturation and synaptic function in human induced cortical excitatory neurons. <i>IScience</i> , 2022, 25, 105187.	1.9	6
40191	Transcriptomic analyses reveal increased expression of dioxygenases, monooxygenases, and other metabolizing enzymes involved in anthracene degradation in the marine alga <i>Ulva lactuca</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
40195	Survey of extracellular communication of systemic and organ-specific inflammatory responses through cell free messenger RNA profiling in mice. <i>EBioMedicine</i> , 2022, 83, 104242.	2.7	3
40196	CDK11 regulates pre-mRNA splicing by phosphorylation of SF3B1. <i>Nature</i> , 2022, 609, 829-834.	13.7	22
40197	Microbes Contribute to Chemopreventive Efficacy, Intestinal Tumorigenesis, and the Metabolome. <i>Cancer Prevention Research</i> , 2022, 15, 803-814.	0.7	3
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40200	Unexpected Actors in Inflammatory Bowel Disease Revealed by Machine Learning from Whole-Blood Transcriptomic Data. <i>Genes</i> , 2022, 13, 1570.	1.0	0
40201	Cannabidiol Promotes Neuronal Differentiation Using Akt and Erk Pathways Triggered by Cb1 Signaling. <i>Molecules</i> , 2022, 27, 5644.	1.7	2
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40206	Metabolic dyshomeostasis induced by SARS-CoV-2 structural proteins reveals immunological insights into viral olfactory interactions. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1

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40208	Therapeutic Intervention with Anti-Complement Component 5 Antibody Does Not Reduce NASH but Does Attenuate Atherosclerosis and MIF Concentrations in Ldlr <sup>-/-</sup> Leiden Mice. International Journal of Molecular Sciences, 2022, 23, 10736.	1.8	6
40209	Human milk microbiome is shaped by breastfeeding practices. Frontiers in Microbiology, 0, 13, .	1.5	2
40210	Molecular and behavioral studies reveal differences in olfaction between winter and summer morphs of <i>Drosophila suzukii</i> . PeerJ, 0, 10, e13825.	0.9	3
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40213	Microbiota profile of new-onset celiac disease in children in Saudi Arabia. Gut Pathogens, 2022, 14, .	1.6	5
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40218	Enteric Methane Emission, Rumen Fermentation and Microbial Profiles of Meat-Master Lambs Supplemented with Barley Fodder Sprouts. Fermentation, 2022, 8, 434.	1.4	6
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40222	Truncated Tau caused by intron retention is enriched in Alzheimer's disease cortex and exhibits altered biochemical properties. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
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40225	BAF60c prevents abdominal aortic aneurysm formation through epigenetic control of vascular smooth muscle cell homeostasis. Journal of Clinical Investigation, 2022, 132, .	3.9	10
40226	Pinworms are Associated with Taxonomic But Not Functional Differences in the Gut Microbiome of White-Throated Woodrats ( <i>Neotoma albigula</i> ). Journal of Parasitology, 2022, 108, .	0.3	1

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40228	Single cell RNA-seq: A powerful yet still challenging technology to study cellular heterogeneity. <i>BioEssays</i> , 2022, 44, .	1.2	24
40229	Consensus molecular subtype 4 (CMS4)-targeted therapy in primary colon cancer: A proof-of-concept study. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	10
40231	The Antivirulence Activity of Umbelliferone and Its Protective Effect against <i>A. hydrophila</i> -Infected Grass Carp. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11119.	1.8	7
40232	Genome-wide association study and transcriptome analysis reveal key genes controlling fruit branch angle in cotton. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
40233	Clearance of small intestinal crypts involves goblet cell mucus secretion by intracellular granule rupture and enterocyte ion transport. <i>Science Signaling</i> , 2022, 15, .	1.6	15
40234	Consequences of Autophagy Deletion on the Age-Related Changes in the Epidermal Lipidome of Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11110.	1.8	0
40235	Metabolic Potential of the Gut Microbiome Is Significantly Impacted by Conditioning Regimen in Allogeneic Hematopoietic Stem Cell Transplantation Recipients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11115.	1.8	4
40236	SARS-CoV-2 Diverges from Other Betacoronaviruses in Only Partially Activating the IRE1 $\alpha$ /XBP1 Endoplasmic Reticulum Stress Pathway in Human Lung-Derived Cells. <i>MBio</i> , 2022, 13, .	1.8	4
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40250	Evolutionary divergence of duplicated genomes in newly described allotetraploid cottons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	19
40252	Phenotypical and gene co-expression network analyses of seed shattering in divergent sorghum ( <i>Sorghum</i> spp.). <i>Crop Journal</i> , 2023, 11, 478-489.	2.3	1

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40256	Comparative transcriptome analysis of longissimus dorsi tissues with different intramuscular fat contents from Guangling donkeys. <i>BMC Genomics</i> , 2022, 23, .	1.2	2
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40259	Protective effects and regulatory pathways of melatonin in traumatic brain injury mice model: Transcriptomics and bioinformatics analysis. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	3
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40261	<sc><i>MET</i></sc> gene amplification is a mechanism of resistance to entrectinib in <sc>ROS1</sc>+ <sc>NSCLC</sc>. <i>Thoracic Cancer</i> , 2022, 13, 3032-3041.	0.8	11
40263	Coevolution of Rumen Epithelial circRNAs with Their Microbiota and Metabolites in Response to Cold-Season Nutritional Stress in Tibetan Sheep. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10488.	1.8	5
40265	Integrated Metabolites and Transcriptomics at Different Growth Stages Reveal Polysaccharide and Flavonoid Biosynthesis in <i>Cynomorium songaricum</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 10675.	1.8	1
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40268	Transcriptome profiling of microRNAs reveals potential mechanisms of manual therapy alleviating neuropathic pain through microRNA-547-3p-mediated Map4k4/NF- $\kappa$ B signaling pathway. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	15
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40270	Roles and interactions of the specialized initiation factors <sc>EIF4E2</sc>, <sc>EIF4E5,</sc> and <sc>EIF4E6</sc> in <i>Trypanosoma brucei</i>: <sc>EIF4E2</sc> maintains the abundances of Sâ€phase <sc>mRNAs</sc>. <i>Molecular Microbiology</i> , 2022, 118, 457-476.	1.2	3
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40272	Molecular convergence between Down syndrome and fragile X syndrome identified using human pluripotent stem cell models. <i>Cell Reports</i> , 2022, 40, 111312.	2.9	4
40273	Hypoxia inducible factors regulate infectious SARS-CoV-2, epithelial damage and respiratory symptoms in a hamster COVID-19 model. <i>PLoS Pathogens</i> , 2022, 18, e1010807.	2.1	15
40275	Integrated Genotoxicity Testing of three anti-infective drugs using the TGx-DDI transcriptomic biomarker and high-throughput CometChipÂ® assay in TK6 cells. <i>Frontiers in Toxicology</i> , 0, 4, .	1.6	1

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40278	Metabolic reprogramming and alteration of the redox state in hyper-productive MDCK cells for influenza A virus production. <i>Biologicals</i> , 2022, 80, 35-42.	0.5	1
40281	3-Deazaadenosine alleviates senescence to promote cellular fitness and cell therapy efficiency in mice. <i>Nature Aging</i> , 2022, 2, 851-866.	5.3	3
40284	A recurrent somatic missense mutation in <i>GNAS</i> gene identified in familial thyroid follicular cell carcinomas in German longhaired pointer dogs. <i>BMC Genomics</i> , 2022, 23, .	1.2	2
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40289	Group 3 innate lymphoid cells require BATF to regulate gut homeostasis in mice. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	12
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40291	Snail maintains the stem/progenitor state of skin epithelial cells and carcinomas through the autocrine effect of matricellular protein Mindin. <i>Cell Reports</i> , 2022, 40, 111390.	2.9	7
40292	Integrative analysis in <i>Pinus</i> revealed longâ€”term heat stress splicing memory. <i>Plant Journal</i> , 2022, 112, 998-1013.	2.8	8
40293	Transcriptome Analysis of Greenfin Horse-Faced Filefish ( <i>Thamnaconus septentrionalis</i> ) Gills in Response to <i>Amyloodinium ocellatum</i> (AO) Infection. <i>Fishes</i> , 2022, 7, 252.	0.7	2
40294	Transcriptome profiling shows a rapid variety-specific response in two <i>Andigenum</i> potato varieties under drought stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
40295	Mechanisms underlying the inhibitory effects of linalool on <i>Aspergillus flavus</i> spore germination. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 6625-6640.	1.7	15
40296	Methionine metabolism controls the B cell EBV epigenome and viral latency. <i>Cell Metabolism</i> , 2022, 34, 1280-1297.e9.	7.2	16
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40304	Influence of management practice on the microbiota of a critically endangered species: a longitudinal study of <i>kÄkÄpÄ</i> -chick faeces and associated nest litter. <i>Animal Microbiome</i> , 2022, 4, .	1.5	4
40305	Dynamic transcriptome and network-based analysis of yellow leaf mutant <i>Ginkgo biloba</i> . <i>BMC Plant Biology</i> , 2022, 22, .	1.6	3
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40307	Aging-regulated TUG1 is dispensable for endothelial cell function. <i>PLoS ONE</i> , 2022, 17, e0265160.	1.1	3
40308	Regulation of Parkinsonâ€™s disease-associated genes by Pumilio proteins and microRNAs in SH-SY5Y neuronal cells. <i>PLoS ONE</i> , 2022, 17, e0275235.	1.1	4
40309	Evaluation of Circulating MicroRNAs and Adipokines in Breast Cancer Survivors with Arm Lymphedema. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11359.	1.8	5
40310	Molecular functional analyses of larval adhesion in a highly fouling invasive model ascidian. <i>Marine Biology</i> , 2022, 169, .	0.7	1
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40313	The long noncoding RNA <i>mimi</i> scaffolds neuronal granules to maintain nervous system maturity. <i>Science Advances</i> , 2022, 8, .	4.7	3
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40316	Truncated <i>CSF3</i> receptors induce pro-inflammatory responses in severe congenital neutropenia. <i>British Journal of Haematology</i> , 0, , .	1.2	2
40317	Impact of food restriction on the medio-basal hypothalamus of intact ewes as revealed by a large-scale transcriptomics study. <i>Journal of Neuroendocrinology</i> , 2022, 34, .	1.2	2
40318	Influence of African Swine Fever Virus on Host Gene Transcription within Peripheral Blood Mononuclear Cells from Infected Pigs. <i>Viruses</i> , 2022, 14, 2147.	1.5	2
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40830	Cosbin: cosine score-based iterative normalization of biologically diverse samples. <i>Bioinformatics Advances</i> , 2022, 2, .	0.9	0
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41699	BDK inhibition acts as a catabolic switch to mimic fasting and improve metabolism in mice. <i>Molecular Metabolism</i> , 2022, 66, 101611.	3.0	16
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41701	Lenalidomide attenuates IMQ-induced inflammation in a mouse model of psoriasis. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113883.	2.5	3
41702	Multimiomics data integration to reveal chromatin remodeling and reorganization induced by gene mutational synergy. <i>STAR Protocols</i> , 2022, 3, 101770.	0.5	0
41703	Different response to priming in <i>Ceiba aesculifolia</i> seeds is associated to the initial transcriptome landscape and to differential regulation of ABA and lipid metabolism. <i>Environmental and Experimental Botany</i> , 2022, 204, 105094.	2.0	1
41704	Polystyrene microplastic ingestion induces the damage in digestive gland of <i>Amphioctopus fangsiao</i> at the physiological, inflammatory, metabolome and transcriptomic levels. <i>Environmental Pollution</i> , 2022, 315, 120480.	3.7	7
41705	High-resolution transcriptome and volatile assays provide insights into flower development and aroma formation in single- and double-petal jasmines ( <i>Jasminum sambac</i> ). <i>Industrial Crops and Products</i> , 2022, 189, 115846.	2.5	2
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41707	Signature of circulating small non-coding RNAs during early fracture healing in mice. <i>Bone Reports</i> , 2022, 17, 101627.	0.2	4
41708	Integrated transcriptomic and metabolic analysis response in gills, hepatopancreas, and muscle metabolism in oriental river prawn <i>Macrobrachium nipponense</i> in response to acute high salinity stress. <i>Aquaculture Reports</i> , 2022, 27, 101358.	0.7	5
41709	Toxic effects and transcriptional responses in zebrafish liver cells following perfluorooctanoic acid exposure. <i>Aquatic Toxicology</i> , 2022, 253, 106328.	1.9	4
41710	Deciphering the regulatory network of miR156 in plant architecture and abiotic stress resistance of alfalfa ( <i>Medicago sativa</i> ) by transcriptome sequencing. <i>Industrial Crops and Products</i> , 2022, 189, 115828.	2.5	3
41711	Microbiota DNA isolation, 16S rRNA amplicon sequencing, and bioinformatic analysis for bacterial microbiome profiling of rodent fecal samples. <i>STAR Protocols</i> , 2022, 3, 101772.	0.5	5
41712	Transcriptome and metabolome analyses provide insights into the salinity adaptation of clam <i>Ruditapes philippinarum</i> . <i>Aquaculture Reports</i> , 2022, 27, 101368.	0.7	1
41713	Plasma exosomal microRNA expression profiles in patients with high-altitude polycythemia. <i>Blood Cells, Molecules, and Diseases</i> , 2023, 98, 102707.	0.6	0
41714	Effects of low salinities on growth, fatty acid composition, and transcriptome in Florida pompano ( <i>Trachinotus carolinus</i> ) at early developmental stages. <i>Aquaculture</i> , 2023, 563, 738964.	1.7	2
41715	Seasonal differences in softening of early-harvested "Royal Gala"™ apple fruit are correlated with at-harvest biomarkers indicative of abiotic stress responses. <i>Postharvest Biology and Technology</i> , 2023, 195, 112131.	2.9	5



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41717	Desert plant transcriptomics and adaptation to abiotic stress. , 2023, , 199-256.		0
41718	Maternal anxiety, depression and stress affects offspring gut microbiome diversity and bifidobacterial abundances. <i>Brain, Behavior, and Immunity</i> , 2023, 107, 253-264.	2.0	30
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41722	Inducible chemical defenses in wild mungbean confer resistance to <i>Spodoptera litura</i> and possibly at the expense of drought tolerance. <i>Environmental and Experimental Botany</i> , 2023, 205, 105100.	2.0	0
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41726	Microfluidic chip with reversible interface for noninvasive remission status monitoring and prognosis prediction of acute myeloid leukemia. <i>Biosensors and Bioelectronics</i> , 2023, 219, 114803.	5.3	2
41727	Transcriptomic analysis of genes: expression and regulation. , 2023, , 1-41.		1
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41729	Polychlorinated biphenyls alter hepatic m6A mRNA methylation in a mouse model of environmental liver disease. <i>Environmental Research</i> , 2023, 216, 114686.	3.7	4
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41735	Effect of phenol formaldehyde-associated microplastics on soil microbial community, assembly, and functioning. <i>Journal of Hazardous Materials</i> , 2023, 443, 130288.	6.5	17
41736	Clinical, Mutational, and Transcriptomic Characteristics in Elderly Korean Individuals With Clonal Hematopoiesis Driver Mutations. <i>Annals of Laboratory Medicine</i> , 2023, 43, 145-152.	1.2	4
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41750	Large-fragment deletion encompasses the R2R3 MYB transcription factor, PavMYB10.1, causes yellow fruits in sweet cherry ( <i>Prunus avium</i> L.). <i>Scientia Horticulturae</i> , 2023, 309, 111648.	1.7	1
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41757	Comparative transcriptome analysis reveals key candidate genes mediating ovarian development in <i>Spodoptera frugiperda</i> fed on two host plants. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
41758	Integrating Genome-Wide Association Study with RNA-Sequencing Reveals HDAC9 as a Candidate Gene Influencing Loin Muscle Area in Beijing Black Pigs. <i>Biology</i> , 2022, 11, 1635.	1.3	1
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41773	Sugarcane cultivation practices modulate rhizosphere microbial community composition and structure. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
41774	Loss of neuronal Tet2 enhances hippocampal-dependent cognitive function. <i>Cell Reports</i> , 2022, 41, 111612.	2.9	7
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41799	Bioinformatic analysis identifies HPV-related tumor microenvironment remodeling prognostic biomarkers in head and neck squamous cell carcinoma. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	6
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41824	Characterization of alternative mRNA splicing in cultured cell populations representing progressive stages of human fetal kidney development. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
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41857	Spent culture supernatant of <i>Streptococcus gordonii</i> mitigates inflammation of human periodontal cells and inhibits proliferation of pathogenic oral microbes. <i>Journal of Periodontology</i> , 2023, 94, 575-585.	1.7	6
41858	Transcriptomic reprogramming of diatom <i>Minutocellus polymorphus</i> grown on urea. <i>Diatom Research</i> , 0, , 1-13.	0.5	1
41859	Transcriptome Analysis Reveals a Comprehensive Virus Resistance Response Mechanism in Pecan Infected by a Novel Badnavirus Pecan Virus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13576.	1.8	3
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41868	Unsupervised Analysis Based on DCE-MRI Radiomics Features Revealed Three Novel Breast Cancer Subtypes with Distinct Clinical Outcomes and Biological Characteristics. <i>Cancers</i> , 2022, 14, 5507.	1.7	6
41869	Two newly-identified biological nitrification inhibitors in <i>Suaeda salsa</i> : Synthetic pathways and influencing mechanisms. <i>Chemical Engineering Journal</i> , 2023, 454, 140172.	6.6	4
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41907	Mechanism by Which High Foliar Calcium Contents Inhibit Sugar Accumulation in Feizixiao Lychee Pulp. <i>Horticulturae</i> , 2022, 8, 1044.	1.2	3
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42458	Stem-Cell-Derived $\hat{I}^2$ -Like Cells with a Functional PTPN2 Knockout Display Increased Immunogenicity. <i>Cells</i> , 2022, 11, 3845.	1.8	2
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42498	dTMP imbalance through thymidylate 5â€²-phosphohydrolase activity induces apoptosis in triple-negative breast cancers. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
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42501	Plant Intron-Splicing Efficiency Database (PISE): exploring splicing of $\sim$ 1,650,000 introns in Arabidopsis, maize, rice, and soybean from $\sim$ 57,000 public RNA-seq libraries. <i>Science China Life Sciences</i> , 2023, 66, 602-611.	2.3	4
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42509	Changes in Bacterial Community Structure Across the Different Life Stages of Black Soldier Fly ( <i>Hermetia illucens</i> ). <i>Microbial Ecology</i> , 0, , .	1.4	2
42510	Integration of single-cell transcriptomes and biological function reveals distinct behavioral patterns in bone marrow endothelium. <i>Nature Communications</i> , 2022, 13, .	5.8	1
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42512	Radiotherapy in combination with CD47 blockade elicits a macrophage-mediated abscopal effect. <i>Nature Cancer</i> , 2022, 3, 1351-1366.	5.7	36
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42521	Valproic acid attenuates cellular senescence in diabetic kidney disease through the inhibition of complement C5a receptors. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
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42535	Small Non-Coding RNA Profiles of Sorted Plasma Extracellular Vesicles: Technical Approach. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2022, 58, 1847-1864.	0.2	2
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42537	TDP-43 safeguards the embryo genome from L1 retrotransposition. <i>Science Advances</i> , 2022, 8, .	4.7	9
42538	Atypical enteropathogenic <i>E. coli</i> are associated with disease activity in ulcerative colitis. <i>Gut Microbes</i> , 2022, 14, .	4.3	6
42539	ALKBH5 in mouse testicular Sertoli cells regulates Cdh2 mRNA translation to maintain bloodâ€testis barrier integrity. <i>Cellular and Molecular Biology Letters</i> , 2022, 27, .	2.7	8

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42541	TERRA regulates DNA G-quadruplex formation and ATRX recruitment to chromatin. <i>Nucleic Acids Research</i> , 2022, 50, 12217-12234.	6.5	7
42542	SENP1 prevents steatohepatitis by suppressing RIPK1-driven apoptosis and inflammation. <i>Nature Communications</i> , 2022, 13, .	5.8	12
42543	Larval-Transcriptome Dynamics of <i>Ectropis grisescens</i> Reveals Differences in Virulence Mechanism between Two EcobNPV Strains. <i>Insects</i> , 2022, 13, 1088.	1.0	0
42544	Global miRNA expression reveals novel nuclear and mitochondrial interactions in Type 1 diabetes mellitus. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
42546	Glucocorticoid receptor hypersensitivity enhances inflammatory signaling and inhibits cell cycle progression in porcine PBMCs. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
42547	Dysfunctional intercellular communication and metabolic signaling pathways in thin endometrium. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	7
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42549	Assessing spermatozoal small ribonucleic acids and their relationship to blastocyst development in idiopathic infertile males. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
42550	Identification and Characterization of Sex-Biased miRNAs in the Golden Pompano ( <i>Trachinotus</i> ) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.0	1
42551	MAP4K4/JNK Signaling Pathway Stimulates Proliferation and Suppresses Apoptosis of Human Spermatogonial Stem Cells and Lower Level of MAP4K4 Is Associated with Male Infertility. <i>Cells</i> , 2022, 11, 3807.	1.8	1
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42554	Suppression of Calcium Entry Modulates the Expression of TR <sup>v</sup> 1 and Runx2 in Thyroid Cancer Cells, Two Transcription Factors That Regulate Invasion, Proliferation and Thyroid-Specific Protein Levels. <i>Cancers</i> , 2022, 14, 5838.	1.7	2
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42556	Improving the prediction for the response to radiotherapy of clinical tumor samples by using combinatorial model of MicroRNA expression. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
42557	Molecular and metabolic insights into floral scent biosynthesis during flowering in <i>Dendrobium chrysotoxum</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
42558	ADAR1-dependent editing regulates human cell transcriptome diversity during inflammation. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
42563	Alternative polyadenylation events in epithelial cells sense endometritis progression in dairy cows. <i>Journal of Integrative Agriculture</i> , 2023, 22, 1820-1832.	1.7	1



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42565	Breast cancer plasticity is restricted by a LATS1-NCOR1 repressive axis. <i>Nature Communications</i> , 2022, 13, .	5.8	5
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42567	Oxidative Stress Correlates with More Aggressive Features in Thyroid Cancer. <i>Cancers</i> , 2022, 14, 5857.	1.7	13
42568	Transcriptional Profiling Provides New Insights into Organ Culture-Induced Changes in Human Donor Corneas. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14507.	1.8	2
42569	Transcriptome Analysis Reveals Immunomodulatory Effect of Spore-Displayed p75 on Human Intestinal Epithelial Caco-2 Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14519.	1.8	2
42570	Rumen microbiota-host transcriptome interaction mediates the protective effects of trans-10, cis-12 CLA on facilitating weaning transition of lambs. <i>Animal Nutrition</i> , 2023, 12, 345-359.	2.1	4
42571	Embryo developmental toxicity in marine medaka ( <i>Oryzias melastigma</i> ) due to parental and embryonic 17 $\beta$ -ethinylestradiol exposure. <i>Science of the Total Environment</i> , 2023, 861, 160594.	3.9	3
42572	GPSAdb: a comprehensive web resource for interactive exploration of genetic perturbation RNA-seq datasets. <i>Nucleic Acids Research</i> , 2023, 51, D964-D968.	6.5	8
42573	Epsin Nanotherapy Regulates Cholesterol Transport to Fortify Atheroma Regression. <i>Circulation Research</i> , 2023, 132, .	2.0	13
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42575	Essential role of MESP1-RING1A complex in cardiac differentiation. <i>Developmental Cell</i> , 2022, 57, 2533-2549.e7.	3.1	0
42576	Immunoepigenomic analysis identifies attenuated interferon responses in naïve CD4 <sup>+</sup> T cells of adolescents with peanut and multi-food allergy. <i>Pediatric Allergy and Immunology</i> , 2022, 33, .	1.1	3
42577	Dual-RNAseq Analysis Unravels Virus-Host Interactions of MetSV and <i>Methanosarcina mazei</i> . <i>Viruses</i> , 2022, 14, 2585.	1.5	5
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42583	Identification of a key ceRNA network associated with ferroptosis in gastric cancer. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
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42590	STIL Promotes Tumorigenesis of Bladder Cancer by Activating PI3K/AKT/mTOR Signaling Pathway and Targeting C-Myc. <i>Cancers</i> , 2022, 14, 5777.	1.7	3
42591	Host transcriptome and microbiome interactions in Holstein cattle under heat stress condition. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
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42611	Transcriptome Analysis of Genes Involved in Fatty Acid and Lipid Biosynthesis in Developing Walnut ( <i>Juglans regia</i> L.) Seed Kernels from Qinghai Plateau. <i>Plants</i> , 2022, 11, 3207.	1.6	3
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42622	Multiomics of Colorectal Cancer Organoids Reveals Putative Mediators of Cancer Progression Resulting from SMAD4 Inactivation. <i>Journal of Proteome Research</i> , 2023, 22, 138-151.	1.8	8
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42716	SARS-CoV-2 Spike triggers barrier dysfunction and vascular leak via integrins and TGF- $\beta$ 2 signaling. <i>Nature Communications</i> , 2022, 13, .	5.8	18
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42887	Histone acetylation functions in the wound-induced spore formation in nori. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
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42903	Transcriptome profiling provides insights into leaf color changes in two <i>Acer palmatum</i> genotypes. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	5
42904	Neurodegeneration risk factor, EIF2AK3 (PERK), influences tau protein aggregation. <i>Journal of Biological Chemistry</i> , 2023, 299, 102821.	1.6	7
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43811	Transcriptome Profiling of Gossypium anomalum Seedlings Reveals Key Regulators and Metabolic Pathways in Response to Drought Stress. <i>Plants</i> , 2023, 12, 312.	1.6	1
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44732	Aberrant activation of TCL1A promotes stem cell expansion in clonal haematopoiesis. <i>Nature</i> , 2023, 616, 755-763.	13.7	19
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44794	Adaptive changes of swimming crab ( <i>Portunus trituberculatus</i> ) associated bacteria helping host against dibutyl phthalate toxicification. <i>Environmental Pollution</i> , 2023, 324, 121328.	3.7	3

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44802	Identification of N6-methyladenosine-related lncRNA for tuberculosis diagnosis in person living with human immunodeficiency virus. <i>Tuberculosis</i> , 2023, 140, 102337.	0.8	0
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44808	Reprogramming of trunk neural crest to a cranial crest-like identity alters their transcriptome and developmental potential. <i>Differentiation</i> , 2023, 131, 27-37.	1.0	0
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44811	Dynamics of RNA m5C modification during brain development. <i>Genomics</i> , 2023, 115, 110604.	1.3	0
44812	Morphological and transcriptional effects of crude oil and dispersant exposure on the marine sponge <i>Cinachyrella alloclada</i> . <i>Science of the Total Environment</i> , 2023, 878, 162832.	3.9	3

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44817	Collagen VI-related myopathies: clinical variability, phenotype-genotype correlation and exploratory transcriptome study. <i>Neuromuscular Disorders</i> , 2023, 33, 371-381.	0.3	2
44818	Risk factors and actionable molecular signatures in COVID-19-associated lung adenocarcinoma and lung squamous cell carcinoma patients. <i>Computers in Biology and Medicine</i> , 2023, 158, 106855.	3.9	0
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44823	Identification of circular RNAs in tea plant during <i>Helopeltis theivora</i> infestation. <i>Plant Stress</i> , 2023, 8, 100150.	2.7	4
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44827	Molecular and phenotypic effects of early exposure to an environmentally relevant pesticide mixture in the Pacific oyster, <i>Crassostrea gigas</i> . <i>Environmental Pollution</i> , 2023, 326, 121472.	3.7	4
44828	Effect and mechanism of nano iron oxide on muskmelon under cadmium stress. <i>South African Journal of Botany</i> , 2023, 157, 82-90.	1.2	2
44829	Transcriptome analyses reveal differentially expressed genes associated with development of the palatal organ in bighead carp ( <i>Hypophthalmichthys nobilis</i> ). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2023, 46, 101072.	0.4	0
44830	Hydroxylation markedly alters how the polychlorinated biphenyl (PCB) congener, PCB52, affects gene expression in human preadipocytes. <i>Toxicology in Vitro</i> , 2023, 89, 105568.	1.1	7

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44847	Loss of amyotrophic lateral sclerosis risk factor SCFD1 causes motor dysfunction in <i>Drosophila</i> . <i>Neurobiology of Aging</i> , 2023, 126, 67-76.	1.5	5
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44851	Effects of the replacement of nitrates/nitrites in salami by plant extracts on colon microbiota. <i>Food Bioscience</i> , 2023, 53, 102568.	2.0	2
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44854	RNAseq profiling of blood from patients with coronary artery disease: Signature of a T cell imbalance. <i>Journal of Internal Medicine</i> , 2023, 4, 100033.		0
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44868	<i>Mycobacterium smegmatis</i> secreting methionine sulfoxide reductase A (MsrA) modulates cellular processes in mouse macrophages. <i>Biochimie</i> , 2023, 211, 1-15.	1.3	0
44869	Tissue-specific regulation of gene expression via unproductive splicing. <i>Nucleic Acids Research</i> , 2023, 51, 3055-3066.	6.5	5
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44872	Genome-wide methylation analysis of circulating tumor DNA: A new biomarker for recurrent glioblastom. <i>Heliyon</i> , 2023, 9, e14339.	1.4	0
44873	Morphology-guided transcriptomic analysis of human pancreatic cancer organoids reveals microenvironmental signals that enhance invasion. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	4
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44876	Liâ€œFraumeni Syndromeâ€œAssociated Dimer-Forming Mutant p53 Promotes Transactivation-Independent Mitochondrial Cell Death. <i>Cancer Discovery</i> , 2023, 13, 1250-1273.	7.7	3
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44884	Intra-Specific Variation in Desiccation Tolerance of <i>Citrus sinensis</i> â€˜bingtangchengâ€™ <sup>TM</sup> (L.) Seeds under Different Environmental Conditions in China. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7393.	1.8	0
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44886	Patient-Derived iPSCs Faithfully Represent the Genetic Diversity and Cellular Architecture of Human Acute Myeloid Leukemia. <i>Blood Cancer Discovery</i> , 2023, 4, 318-335.	2.6	4
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44911	Antifungal effects of trans-anethole, the main constituent of <i>Illicium verum</i> fruit volatiles, on <i>Aspergillus flavus</i> in stored wheat. <i>Food Control</i> , 2023, 149, 109721.	2.8	8
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46142	Genomic and Transcriptomic Characterization of <i>Alternaria alternata</i> during Infection. <i>Agronomy</i> , 2023, 13, 809.	1.3	3
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46202	A combinatorial approach to uncover an additional Integrator subunit. <i>Cell Reports</i> , 2023, 42, 112244.	2.9	7
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