

# Vladimir Benes

## List of Publications by Citations

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217  
papers

29,998  
citations

65  
h-index

173  
g-index

234  
ext. papers

35,386  
ext. citations

11.2  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
217	The MIQE guidelines: minimum information for publication of quantitative real-time PCR experiments. <i>Clinical Chemistry</i> , <b>2009</b> , 55, 611-22	5.5	9710
216	The genome sequence of the malaria mosquito <i>Anopheles gambiae</i> . <i>Science</i> , <b>2002</b> , 298, 129-49	33.3	1622
215	DELLY: structural variant discovery by integrated paired-end and split-read analysis. <i>Bioinformatics</i> , <b>2012</b> , 28, i333-i339	7.2	1069
214	Quantitative real-time RT-PCR--a perspective. <i>Journal of Molecular Endocrinology</i> , <b>2005</b> , 34, 597-601	4.5	897
213	Replicative senescence of mesenchymal stem cells: a continuous and organized process. <i>PLoS ONE</i> , <b>2008</b> , 3, e2213	3.7	795
212	Analysis of 1.9 Mb of contiguous sequence from chromosome 4 of <i>Arabidopsis thaliana</i> . <i>Nature</i> , <b>1998</b> , 391, 485-8	50.4	759
211	Cyclical DNA methylation of a transcriptionally active promoter. <i>Nature</i> , <b>2008</b> , 452, 45-50	50.4	757
210	Accounting for technical noise in single-cell RNA-seq experiments. <i>Nature Methods</i> , <b>2013</b> , 10, 1093-5	21.6	659
209	Dissecting the genomic complexity underlying medulloblastoma. <i>Nature</i> , <b>2012</b> , 488, 100-5	50.4	623
208	Genome sequencing of pediatric medulloblastoma links catastrophic DNA rearrangements with TP53 mutations. <i>Cell</i> , <b>2012</b> , 148, 59-71	56.2	600
207	Potential of fecal microbiota for early-stage detection of colorectal cancer. <i>Molecular Systems Biology</i> , <b>2014</b> , 10, 766	12.2	575
206	The digital MIQE guidelines: Minimum Information for Publication of Quantitative Digital PCR Experiments. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 892-902	5.5	554
205	Transient cyclical methylation of promoter DNA. <i>Nature</i> , <b>2008</b> , 452, 112-5	50.4	540
204	Aging and replicative senescence have related effects on human stem and progenitor cells. <i>PLoS ONE</i> , <b>2009</b> , 4, e5846	3.7	347
203	A sensitive array for microRNA expression profiling (miChip) based on locked nucleic acids (LNA). <i>Rna</i> , <b>2006</b> , 12, 913-20	5.8	343
202	Sequence and analysis of chromosome 4 of the plant <i>Arabidopsis thaliana</i> . <i>Nature</i> , <b>1999</b> , 402, 769-77	50.4	342
201	MicroRNA signatures predict oestrogen receptor, progesterone receptor and HER2/neu receptor status in breast cancer. <i>Breast Cancer Research</i> , <b>2009</b> , 11, R27	8.3	332

200	Durable coexistence of donor and recipient strains after fecal microbiota transplantation. <i>Science</i> , <b>2016</b> , 352, 586-9	33.3	326
199	Dynamics of gene expression revealed by comparison of serial analysis of gene expression transcript profiles from yeast grown on two different carbon sources. <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 1859-72	3.5	309
198	Expression profiling of microRNA using real-time quantitative PCR, how to use it and what is available. <i>Methods</i> , <b>2010</b> , 50, 244-9	4.6	271
197	Importin 8 is a gene silencing factor that targets argonaute proteins to distinct mRNAs. <i>Cell</i> , <b>2009</b> , 136, 496-507	56.2	262
196	Integrative genomic analyses reveal an androgen-driven somatic alteration landscape in early-onset prostate cancer. <i>Cancer Cell</i> , <b>2013</b> , 23, 159-70	24.3	259
195	Dynamic DNA methylation orchestrates cardiomyocyte development, maturation and disease. <i>Nature Communications</i> , <b>2014</b> , 5, 5288	17.4	202
194	Vitamin A-Retinoic Acid Signaling Regulates Hematopoietic Stem Cell Dormancy. <i>Cell</i> , <b>2017</b> , 169, 807-823	36.19	200
193	Widespread estrogen-dependent repression of micrnas involved in breast tumor cell growth. <i>Cancer Research</i> , <b>2009</b> , 69, 8332-40	10.1	200
192	Vertebrate-type intron-rich genes in the marine annelid <i>Platynereis dumerilii</i> . <i>Science</i> , <b>2005</b> , 310, 1325-6	33.3	198
191	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , <b>2013</b> , 10, 1063-7	21.6	197
190	Direct and indirect effects of H-NS and Fis on global gene expression control in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 2073-91	20.1	196
189	Microcontact printing of DNA molecules. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 1641-7	7.8	192
188	The liver-specific microRNA miR-122 controls systemic iron homeostasis in mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1386-96	15.9	176
187	Nuclear hormone 1 $\alpha$ ,25-dihydroxyvitamin D <sub>3</sub> elicits a genome-wide shift in the locations of VDR chromatin occupancy. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 9181-93	20.1	172
186	Sequence and analysis of chromosome 3 of the plant <i>Arabidopsis thaliana</i> . <i>Nature</i> , <b>2000</b> , 408, 820-2	50.4	153
185	Developmentally regulated switching of titin size alters myofibrillar stiffness in the perinatal heart. <i>Circulation Research</i> , <b>2004</b> , 94, 967-75	15.7	147
184	CRX CHIP-seq reveals the cis-regulatory architecture of mouse photoreceptors. <i>Genome Research</i> , <b>2010</b> , 20, 1512-25	9.7	145
183	Genome-wide RNAi screening identifies human proteins with a regulatory function in the early secretory pathway. <i>Nature Cell Biology</i> , <b>2012</b> , 14, 764-74	23.4	141

182	Multiple mechanisms induce transcriptional silencing of a subset of genes, including oestrogen receptor alpha, in response to deacetylase inhibition by valproic acid and trichostatin A. <i>Oncogene</i> , <b>2005</b> , 24, 4894-907	9.2	141
181	Pax-Six-Eya-Dach network during amphioxus development: conservation in vitro but context specificity in vivo. <i>Developmental Biology</i> , <b>2007</b> , 306, 143-59	3.1	137
180	Multiple epigenetic mechanisms and the piRNA pathway enforce LINE1 silencing during adult spermatogenesis. <i>Molecular Cell</i> , <b>2013</b> , 50, 601-8	17.6	134
179	Anopheles gambiae pilot gene discovery project: identification of mosquito innate immunity genes from expressed sequence tags generated from immune-competent cell lines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 6619-24	11.5	132
178	Global analysis of estrogen receptor beta binding to breast cancer cell genome reveals an extensive interplay with estrogen receptor alpha for target gene regulation. <i>BMC Genomics</i> , <b>2011</b> , 12, 36	4.5	127
177	Engineering the mouse genome with bacterial artificial chromosomes to create multipurpose alleles. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 443-7	44.5	118
176	Diverse roles of hnRNP L in mammalian mRNA processing: a combined microarray and RNAi analysis. <i>Rna</i> , <b>2008</b> , 14, 284-96	5.8	116
175	Point mutation of bacterial artificial chromosomes by ET recombination. <i>EMBO Reports</i> , <b>2000</b> , 1, 239-43	6.5	116
174	Exome sequencing identifies MRPL3 mutation in mitochondrial cardiomyopathy. <i>Human Mutation</i> , <b>2011</b> , 32, 1225-31	4.7	110
173	miChip: an array-based method for microRNA expression profiling using locked nucleic acid capture probes. <i>Nature Protocols</i> , <b>2008</b> , 3, 321-9	18.8	110
172	Adhesion of hematopoietic progenitor cells to human mesenchymal stem cells as a model for cell-cell interaction. <i>Experimental Hematology</i> , <b>2007</b> , 35, 314-25	3.1	108
171	A role for Fkbp6 and the chaperone machinery in piRNA amplification and transposon silencing. <i>Molecular Cell</i> , <b>2012</b> , 47, 970-9	17.6	97
170	The genomic response of the Drosophila embryo to JNK signaling. <i>Developmental Cell</i> , <b>2001</b> , 1, 579-86	10.2	95
169	Kaposi's sarcoma herpesvirus microRNAs target caspase 3 and regulate apoptosis. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002405	7.6	92
168	Transcriptional complexes engaged by apo-estrogen receptor-alpha isoforms have divergent outcomes. <i>EMBO Journal</i> , <b>2004</b> , 23, 3653-66	13	92
167	A member of a gene family on Xp22.3, VCX-A, is deleted in patients with X-linked nonspecific mental retardation. <i>American Journal of Human Genetics</i> , <b>2000</b> , 67, 563-73	11	89
166	DF31 protein and snoRNAs maintain accessible higher-order structures of chromatin. <i>Molecular Cell</i> , <b>2012</b> , 48, 434-44	17.6	88
165	Genomics of DNA cytosine methylation in Escherichia coli reveals its role in stationary phase transcription. <i>Nature Communications</i> , <b>2012</b> , 3, 886	17.4	87

164	Inhibition of aurora kinases for tailored risk-adapted treatment of multiple myeloma. <i>Blood</i> , <b>2009</b> , 113, 4331-40	2.2	85
163	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. <i>Clinical Chemistry</i> , <b>2020</b> , 66, 1012-1029	5.5	85
162	Mitochondrial protein-induced stress triggers a global adaptive transcriptional programme. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 442-451	23.4	84
161	Direct regulation of microRNA biogenesis and expression by estrogen receptor beta in hormone-responsive breast cancer. <i>Oncogene</i> , <b>2012</b> , 31, 4196-206	9.2	84
160	Iron regulatory protein-1 and -2: transcriptome-wide definition of binding mRNAs and shaping of the cellular proteome by iron regulatory proteins. <i>Blood</i> , <b>2011</b> , 118, e168-79	2.2	84
159	An efficient method for genome-wide polyadenylation site mapping and RNA quantification. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, e65	20.1	81
158	RNA degradation compromises the reliability of microRNA expression profiling. <i>BMC Biotechnology</i> , <b>2009</b> , 9, 102	3.5	79
157	The molecular elasticity of the insect flight muscle proteins projectin and kettin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 4451-6	11.5	79
156	Modular proteins from the <i>Drosophila</i> <i>sallimus</i> ( <i>sls</i> ) gene and their expression in muscles with different extensibility. <i>Journal of Molecular Biology</i> , <b>2007</b> , 367, 953-69	6.5	71
155	Alternative splicing microarrays reveal functional expression of neuron-specific regulators in Hodgkin lymphoma cells. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 4779-84	5.4	70
154	Primate genome architecture influences structural variation mechanisms and functional consequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 15764-9	11.5	69
153	Alternative polyadenylation diversifies post-transcriptional regulation by selective RNA-protein interactions. <i>Molecular Systems Biology</i> , <b>2014</b> , 10, 719	12.2	64
152	A genomic switch at the transition from cell proliferation to terminal differentiation in the <i>Drosophila</i> eye. <i>Developmental Cell</i> , <b>2002</b> , 3, 511-21	10.2	63
151	SUMOylation regulates the chromatin occupancy and anti-proliferative gene programs of glucocorticoid receptor. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 1575-92	20.1	62
150	Early transcriptional events linked to induction of diapause revealed by RNAseq in larvae of drosophilid fly, <i>Chymomyza costata</i> . <i>BMC Genomics</i> , <b>2015</b> , 16, 720	4.5	60
149	The nucleotide sequence of <i>Saccharomyces cerevisiae</i> chromosome XVI. <i>Nature</i> , <b>1997</b> , 387, 103-105	50.4	60
148	miChip: a microarray platform for expression profiling of microRNAs based on locked nucleic acid (LNA) oligonucleotide capture probes. <i>Methods</i> , <b>2007</b> , 43, 146-52	4.6	60
147	Life cycle transcriptome of the malaria mosquito <i>Anopheles gambiae</i> and comparison with the fruitfly <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 11304-9	11.5	59

146	Actin-binding protein regulation by microRNAs as a novel microbial strategy to modulate phagocytosis by host cells: the case of N-Wasp and miR-142-3p. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2013</b> , 3, 19	5.9	56
145	Identification of a genetically defined ultra-high-risk group in relapsed pediatric T-lymphoblastic leukemia. <i>Blood Cancer Journal</i> , <b>2017</b> , 7, e523	7	54
144	Primer sequence disclosure: a clarification of the MIQE guidelines. <i>Clinical Chemistry</i> , <b>2011</b> , 57, 919-21	5.5	52
143	Pediatric T-cell lymphoblastic leukemia evolves into relapse by clonal selection, acquisition of mutations and promoter hypomethylation. <i>Haematologica</i> , <b>2015</b> , 100, 1442-50	6.6	50
142	The Slicer Activity of ARGONAUTE1 Is Required Specifically for the Phasing, Not Production, of Trans-Acting Short Interfering RNAs in Arabidopsis. <i>Plant Cell</i> , <b>2016</b> , 28, 1563-80	11.6	50
141	Genetic code expansion for multiprotein complex engineering. <i>Nature Methods</i> , <b>2016</b> , 13, 997-1000	21.6	48
140	Highly recurrent mutations of SGK1, DUSP2 and JUNB in nodular lymphocyte predominant Hodgkin lymphoma. <i>Leukemia</i> , <b>2016</b> , 30, 844-53	10.7	48
139	Standardization of protocols in cDNA microarray analysis. <i>Trends in Biochemical Sciences</i> , <b>2003</b> , 28, 244-9	10.3	46
138	Thyrotroph embryonic factor regulates light-induced transcription of repair genes in zebrafish embryonic cells. <i>PLoS ONE</i> , <b>2010</b> , 5, e12542	3.7	44
137	Metabolic cooperation and spatiotemporal niche partitioning in a kefir microbial community. <i>Nature Microbiology</i> , <b>2021</b> , 6, 196-208	26.6	44
136	Identification of cytokine-induced modulation of microRNA expression and secretion as measured by a novel microRNA specific qPCR assay. <i>Scientific Reports</i> , <b>2015</b> , 5, 11590	4.9	42
135	Replicative senescence is associated with nuclear reorganization and with DNA methylation at specific transcription factor binding sites. <i>Clinical Epigenetics</i> , <b>2015</b> , 7, 19	7.7	42
134	Diversity of vertebrate splicing factor U2AF35: identification of alternatively spliced U2AF1 mRNAs. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 27039-49	5.4	42
133	Sequence and expression of the kettin gene in <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> . <i>Journal of Molecular Biology</i> , <b>2000</b> , 296, 435-48	6.5	42
132	M13 and pUC vectors with new unique restriction sites for cloning. <i>Gene</i> , <b>1993</b> , 130, 151-2	3.8	42
131	Targeted mutagenesis of the murine IRP1 and IRP2 genes reveals context-dependent RNA processing differences in vivo. <i>Rna</i> , <b>2004</b> , 10, 1019-25	5.8	41
130	Nucleotide sequence analysis of a 30-kb region of the bovine herpesvirus 1 genome which exhibits a colinear gene arrangement with the UL21 to UL4 genes of herpes simplex virus. <i>Virology</i> , <b>1995</b> , 210, 100-8	3.6	41
129	miRNAs in multiple myeloma--a survival relevant complex regulator of gene expression. <i>Oncotarget</i> , <b>2015</b> , 6, 39165-83	3.3	37

128	Fluctuating Light Interacts with Time of Day and Leaf Development Stage to Reprogram Gene Expression. <i>Plant Physiology</i> , <b>2019</b> , 179, 1632-1657	6.6	36
127	HnRNP L and L-like cooperate in multiple-exon regulation of CD45 alternative splicing. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 5666-78	20.1	36
126	RNA-Seq analysis in mutant zebrafish reveals role of U1C protein in alternative splicing regulation. <i>EMBO Journal</i> , <b>2011</b> , 30, 1965-76	13	34
125	Genomic locus and promoter region of rat Smad7, an important antagonist of TGFbeta signaling. <i>Mammalian Genome</i> , <b>2000</b> , 11, 169-76	3.2	34
124	Antibiotics-induced monodominance of a novel gut bacterial order. <i>Gut</i> , <b>2019</b> , 68, 1781-1790	19.2	33
123	Single-cell transcriptomics identifies CD44 as a marker and regulator of endothelial to haematopoietic transition. <i>Nature Communications</i> , <b>2020</b> , 11, 586	17.4	33
122	Complex Evolution of Insect Insulin Receptors and Homologous Decoy Receptors, and Functional Significance of Their Multiplicity. <i>Molecular Biology and Evolution</i> , <b>2020</b> , 37, 1775-1789	8.3	30
121	MicroRNA miR-34a downregulates FOXP1 during DNA damage response to limit BCR signalling in chronic lymphocytic leukaemia B cells. <i>Leukemia</i> , <b>2019</b> , 33, 403-414	10.7	30
120	Bacteriophage B103: complete DNA sequence of its genome and relationship to other Bacillus phages. <i>Gene</i> , <b>1997</b> , 199, 157-63	3.8	30
119	Strawberry vein banding virus--definitive member of the genus Caulimovirus. <i>Virus Genes</i> , <b>1998</b> , 16, 303-5.3	5.3	30
118	Whole-Body Single-Cell Sequencing Reveals Transcriptional Domains in the Annelid Larval Body. <i>Molecular Biology and Evolution</i> , <b>2018</b> , 35, 1047-1062	8.3	29
117	Unreliable real-time PCR analysis of human endogenous retrovirus-W (HERV-W) RNA expression and DNA copy number in multiple sclerosis. <i>AIDS Research and Human Retroviruses</i> , <b>2009</b> , 25, 377-8; author reply 379-81	1.6	29
116	Alfred: interactive multi-sample BAM alignment statistics, feature counting and feature annotation for long- and short-read sequencing. <i>Bioinformatics</i> , <b>2019</b> , 35, 2489-2491	7.2	29
115	Unbiased classification of mosquito blood cells by single-cell genomics and high-content imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E7568-E7577 <sup>11.5</sup>	11.5	28
114	Characterization of an Escherichia coli elaC deletion mutant. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 1365-73	3.4	26
113	The differential expression of alternatively polyadenylated transcripts is a common stress-induced response mechanism that modulates mammalian mRNA expression in a quantitative and qualitative fashion. <i>Rna</i> , <b>2016</b> , 22, 1441-53	5.8	26
112	Distribution, Community Composition, and Potential Metabolic Activity of Bacterioplankton in an Urbanized Mediterranean Sea Coastal Zone. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	24
111	MorphoSeq: Full Single-Cell Transcriptome Dynamics Up to Gastrulation in a Chordate. <i>Cell</i> , <b>2020</b> , 181, 922-935.e21	56.2	24

110	Single-Virus Droplet Microfluidics for High-Throughput Screening of Neutralizing Epitopes on HIV Particles. <i>Cell Chemical Biology</i> , <b>2017</b> , 24, 751-757.e3	8.2	23
109	Oculomotor nerve schwannoma. <i>British Journal of Neurosurgery</i> , <b>2003</b> , 17, 168-173	1	23
108	Functional equivalency of amphioxus and vertebrate Pax258 transcription factors suggests that the activation of mid-hindbrain specific genes in vertebrates occurs via the recruitment of Pax regulatory elements. <i>Gene</i> , <b>2002</b> , 282, 143-50	3.8	23
107	Differentially expressed genes associated with human limbal epithelial phenotypes: new molecules that potentially facilitate selection of stem cell-enriched populations <b>2011</b> , 52, 1252-60		22
106	DNA binding and transactivating properties of the paired and homeobox protein Pax4. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 259, 510-8	3.4	22
105	Aire-expressing ILC3-like cells in the lymph node display potent APC features. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 1027-1037	16.6	21
104	An assessment of air as a source of DNA contamination encountered when performing PCR. <i>Journal of Biomolecular Techniques</i> , <b>2009</b> , 20, 236-40	1.1	21
103	Single-cell transcriptomics reveals a new dynamical function of transcription factors during embryonic hematopoiesis. <i>ELife</i> , <b>2018</b> , 7,	8.9	21
102	Transcriptome profiling of estrogen-regulated genes in human primary osteoblasts reveals an osteoblast-specific regulation of the insulin-like growth factor binding protein 4 gene. <i>Molecular Endocrinology</i> , <b>2008</b> , 22, 361-79		20
101	BAC trimming: minimizing clone overlaps. <i>Genomics</i> , <b>2000</b> , 64, 111-3	4.3	20
100	Thymic epithelial cells require p53 to support their long-term function in thymopoiesis in mice. <i>Blood</i> , <b>2017</b> , 130, 478-488	2.2	19
99	Tracy: basecalling, alignment, assembly and deconvolution of sanger chromatogram trace files. <i>BMC Genomics</i> , <b>2020</b> , 21, 230	4.5	19
98	Role of CXCL13 in asthma: novel therapeutic target. <i>Chest</i> , <b>2012</b> , 141, 886-894	5.3	19
97	Toll-like receptor signaling in thymic epithelium controls monocyte-derived dendritic cell recruitment and Treg generation. <i>Nature Communications</i> , <b>2020</b> , 11, 2361	17.4	18
96	Characterization of Two Historic Smallpox Specimens from a Czech Museum. <i>Viruses</i> , <b>2017</b> , 9,	6.2	18
95	Direct primer walking on P1 plasmid DNA. <i>BioTechniques</i> , <b>1997</b> , 23, 98-100	2.5	18
94	Small-molecule-mediated chemical knock-down of MuRF1/MuRF2 and attenuation of diaphragm dysfunction in chronic heart failure. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2019</b> , 10, 1102-1115	10.3	17
93	Lymphocyte gene expression signatures from patients and mouse models of hereditary hemochromatosis reveal a function of HFE as a negative regulator of CD8+ T-lymphocyte activation and differentiation in vivo. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124246	3.7	17



92	Sequencing of a patient with balanced chromosome abnormalities and neurodevelopmental disease identifies disruption of multiple high risk loci by structural variation. <i>PLoS ONE</i> , <b>2014</b> , 9, e90894	3.7	17
91	RNA-sequencing as useful screening tool in the combat against the misuse of anabolic agents. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6863-8	7.8	17
90	Simultaneous loading of 200 sample lanes for DNA sequencing on vertical and horizontal, standard and ultrathin gels. <i>Nucleic Acids Research</i> , <b>1997</b> , 25, 2229-30	20.1	17
89	An estimate of large-scale sequencing accuracy. <i>EMBO Reports</i> , <b>2000</b> , 1, 29-31	6.5	17
88	Single-cell analysis of structural variations and complex rearrangements with tri-channel processing. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 343-354	44.5	17
87	Cloning and developmental expression of amphioxus Dachsund. <i>Gene Expression Patterns</i> , <b>2003</b> , 3, 65-9	1.5	16
86	Identification of novel sequence variations in microRNAs in chronic lymphocytic leukemia. <i>Carcinogenesis</i> , <b>2014</b> , 35, 992-1002	4.6	15
85	Bacteriophage phi29 early protein p17 is conditionally required for the first rounds of viral DNA replication. <i>Gene</i> , <b>1998</b> , 223, 135-42	3.8	15
84	Heme oxygenase-1 deficiency triggers exhaustion of hematopoietic stem cells. <i>EMBO Reports</i> , <b>2020</b> , 21, e47895	6.5	14
83	Disruption of EXOC6B in a patient with developmental delay, epilepsy, and a de novo balanced t(2;8) translocation. <i>European Journal of Human Genetics</i> , <b>2013</b> , 21, 1177-80	5.3	14
82	DNA sequencing and analysis of 130 kb from yeast chromosome XV. <i>Yeast</i> , <b>1997</b> , 13, 655-72	3.4	14
81	Isolation, biochemical characterization and crystallization of the p15gag proteinase of myeloblastosis associated virus expressed in E. coli. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1992</b> , 24, 235-42		14
80	Single-cell proteo-genomic reference maps of the hematopoietic system enable the purification and massive profiling of precisely defined cell states. <i>Nature Immunology</i> , <b>2021</b> , 22, 1577-1589	19.1	14
79	Hfe deficiency impairs pulmonary neutrophil recruitment in response to inflammation. <i>PLoS ONE</i> , <b>2012</b> , 7, e39363	3.7	13
78	MicroRNAs from saliva of anopheline mosquitoes mimic human endogenous miRNAs and may contribute to vector-host-pathogen interactions. <i>Scientific Reports</i> , <b>2019</b> , 9, 2955	4.9	13
77	Isolation of Open Chromatin Identifies Regulators of Systemic Acquired Resistance. <i>Plant Physiology</i> , <b>2019</b> , 181, 817-833	6.6	13
76	The Response of Three Southern Ocean Phytoplankton Species to Ocean Acidification and Light Availability: A Transcriptomic Study. <i>Protist</i> , <b>2018</b> , 169, 958-975	2.5	13
75	RNA splicing regulated by RBFOX1 is essential for cardiac function in zebrafish. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 3030-40	5.3	12

74	Genotypes of SLC22A4 and SLC22A5 regulatory loci are predictive of the response of chronic myeloid leukemia patients to imatinib treatment. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2017</b> , 36, 55	12.8	11
73	The expansion of human T-betCD21 B cells is T cell dependent. <i>Science Immunology</i> , <b>2021</b> , 6, eabh0891	2.8	11
72	RDML-Ninja and RDMLdb for standardized exchange of qPCR data. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 197	3.6	9
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