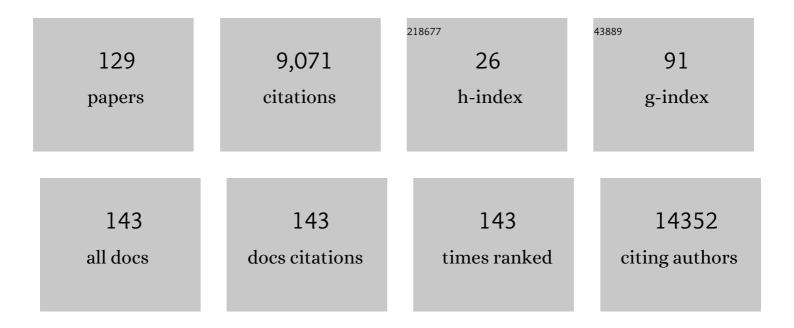
List of Publications by Year in descending order

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VIDIVI ODIOV

#	Article	IF	CITATIONS
1	Integration of External Signaling Pathways with the Core Transcriptional Network in Embryonic Stem Cells. Cell, 2008, 133, 1106-1117.	28.9	2,279
2	An oestrogen-receptor-α-bound human chromatin interactome. Nature, 2009, 462, 58-64.	27.8	1,537
3	Extensive Promoter-Centered Chromatin Interactions Provide a Topological Basis for Transcription Regulation. Cell, 2012, 148, 84-98.	28.9	1,096
4	Whole-Genome Mapping of Histone H3 Lys4 and 27 Trimethylations Reveals Distinct Genomic Compartments in Human Embryonic Stem Cells. Cell Stem Cell, 2007, 1, 286-298.	11.1	536
5	Global mapping of c-Myc binding sites and target gene networks in human B cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17834-17839.	7.1	462
6	The Nuclear Receptor Nr5a2 Can Replace Oct4 in the Reprogramming of Murine Somatic Cells to Pluripotent Cells. Cell Stem Cell, 2010, 6, 167-174.	11.1	424
7	A genome-wide RNAi screen reveals determinants of human embryonic stem cell identity. Nature, 2010, 468, 316-320.	27.8	407
8	Tbx3 improves the germ-line competency of induced pluripotent stem cells. Nature, 2010, 463, 1096-1100.	27.8	261
9	Eset partners with Oct4 to restrict extraembryonic trophoblast lineage potential in embryonic stem cells. Genes and Development, 2009, 23, 2507-2520.	5.9	218
10	Non-coding RNAs and Their Roles in Stress Response in Plants. Genomics, Proteomics and Bioinformatics, 2017, 15, 301-312.	6.9	150
11	Integrative model of genomic factors for determining binding site selection by estrogen receptorâ€Î±. Molecular Systems Biology, 2010, 6, 456.	7.2	139
12	<i>FRIZZY PANICLE</i> Drives Supernumerary Spikelets in Bread Wheat. Plant Physiology, 2014, 167, 189-199.	4.8	131
13	Graded Nodal/Activin Signaling Titrates Conversion of Quantitative Phospho-Smad2 Levels into Qualitative Embryonic Stem Cell Fate Decisions. PLoS Genetics, 2011, 7, e1002130.	3.5	80
14	Complexity: an internet resource for analysis of DNA sequence complexity. Nucleic Acids Research, 2004, 32, W628-W633.	14.5	73
15	Integrative analysis of the human cis -antisense gene pairs, miRNAs and their transcription regulation patterns. Nucleic Acids Research, 2010, 38, 534-547.	14.5	69
16	Repeats, longevity and the sources of mtDNA deletions: evidence from â€~deletional spectra'. Trends in Genetics, 2010, 26, 340-343.	6.7	48
17	Metabolic model of central carbon and energy metabolisms of growing Arabidopsis thaliana in relation to sucrose translocation. BMC Plant Biology, 2016, 16, 262.	3.6	43
18	Dysfunction in Ribosomal Gene Expression in the Hypothalamus and Hippocampus following Chronic Social Defeat Stress in Male Mice as Revealed by RNA-Seq. Neural Plasticity, 2016, 2016, 1-6.	2.2	42

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19	Transcription Factors for the Modulation of Pluripotency and Reprogramming. Cold Spring Harbor Symposia on Quantitative Biology, 2010, 75, 237-244.	1.1	40
20	Genome Wide Analysis Reveals Zic3 Interaction with Distal Regulatory Elements of Stage Specific Developmental Genes in Zebrafish. PLoS Genetics, 2013, 9, e1003852.	3.5	35
21	Association of AMD-like retinopathy development with an Alzheimer's disease metabolic pathway in OXYS rats. Biogerontology, 2013, 14, 753-762.	3.9	34
22	Computational genomics at BGRSSB-2016: introductory note. BMC Genomics, 2016, 17, 996.	2.8	33
23	Genomic landscape of CpG rich elements in human. BMC Evolutionary Biology, 2017, 17, 19.	3.2	33
24	Computational models in genetics at BGRSSB-2016: introductory note. BMC Genetics, 2016, 17, 155.	2.7	30
25	Serotonergic genes in the development of anxiety/depression-like state and pathology of aggressive behavior in male mice: RNA-seq data. Molecular Biology, 2017, 51, 251-262.	1.3	29
26	Blurring of High-Resolution Data Shows that the Effect of Intrinsic Nucleosome Occupancy on Transcription Factor Binding is Mostly Regional, Not Local. PLoS Computational Biology, 2010, 6, e1000649.	3.2	27
27	Association Analysis of Genetic Variants with Type 2 Diabetes in a Mongolian Population in China. Journal of Diabetes Research, 2015, 2015, 1-7.	2.3	27
28	Editorial: Bioinformatics of Genome Regulation and Systems Biology. Frontiers in Genetics, 2020, 11, 625.	2.3	27
29	Computational Errors and Biases in Short Read Next Generation Sequencing. Journal of Proteomics and Bioinformatics, 2017, 10, .	0.4	26
30	Comparative Expression Analysis of Stress-Inducible Candidate Genes in Response to Cold and Drought in Tea Plant [Camellia sinensis (L.) Kuntze]. Frontiers in Genetics, 2020, 11, 611283.	2.3	25
31	Clinical aspects of TP53 gene inactivation in diffuse large B-cell lymphoma. BMC Medical Genomics, 2019, 12, 35.	1.5	24
32	STATISTICAL MEASURES OF THE STRUCTURE OF GENOMIC SEQUENCES: ENTROPY, COMPLEXITY, AND POSITION INFORMATION. Journal of Bioinformatics and Computational Biology, 2006, 04, 523-536.	0.8	21
33	Heterogeneity of Brain Ribosomal Genes Expression Following Positive Fighting Experience in Male Mice as Revealed by RNA-Seq. Molecular Neurobiology, 2018, 55, 390-401.	4.0	21
34	Medical Genetics, Genomics and Bioinformatics Aid in Understanding Molecular Mechanisms of Human Diseases. International Journal of Molecular Sciences, 2021, 22, 9962.	4.1	21
35	Introductory note for BGRSSB-2014 special issue. Journal of Bioinformatics and Computational Biology, 2015, 13, 1502001.	0.8	20
36	Changes in the expression of dopaminergic genes in brain structures of male mice exposed to chronic social defeat Stress: An RNA-seq study. Molecular Biology, 2016, 50, 161-163.	1.3	18

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37	Physiological, biochemical and genetic responses of Caucasian tea (<i>Camellia sinensis</i> (L.) Kuntze) genotypes under cold and frost stress. PeerJ, 2020, 8, e9787.	2.0	18
38	Quality assessment of the Affymetrix U133A&B probesets by target sequence mapping and expression data analysis. In Silico Biology, 2007, 7, 241-60.	0.9	18
39	INTRODUCTORY NOTE FOR BGRS-2012 SPECIAL ISSUE. Journal of Bioinformatics and Computational Biology, 2013, 11, 1302001.	0.8	17
40	Computer Analysis of Glioma Transcriptome Profiling: Alternative Splicing Events. Journal of Integrative Bioinformatics, 2017, 14, .	1.5	17
41	Evolutionary biology at BGRSSB-2016. BMC Evolutionary Biology, 2017, 17, 21.	3.2	15
42	Recent Trends in Cancer Genomics and Bioinformatics Tools Development. International Journal of Molecular Sciences, 2021, 22, 12146.	4.1	15
43	Computational plant bioscience at BGRSSB-2016: introductory note. BMC Plant Biology, 2016, 16, 243.	3.6	14
44	The differences in brain stem transcriptional profiling in hypertensive ISIAH and normotensive WAG rats. BMC Genomics, 2019, 20, 297.	2.8	14
45	Evolutionary Biology at Belyaev Conference – 2017. BMC Evolutionary Biology, 2017, 17, 260.	3.2	12
46	Bioinformatics Methods in Medical Genetics and Genomics. International Journal of Molecular Sciences, 2020, 21, 6224.	4.1	12
47	Editorial — Bioinformatics development at the BGRSSB conference series: 10th anniversary. Journal of Bioinformatics and Computational Biology, 2017, 15, 1702001.	0.8	11
48	Computer analysis of colocalization of the TFs' binding sites in the genome according to the ChIP-seq data. Russian Journal of Genetics: Applied Research, 2017, 7, 513-522.	0.4	11
49	Medical genomics research at BGRS-2018. BMC Medical Genomics, 2019, 12, 36.	1.5	11
50	SITEVIDEO: a computer system for functional site analysis and recognition. Investigation of the human splice sites. Bioinformatics, 1993, 9, 617-627.	4.1	10
51	Regulatory single nucleotide polymorphisms at the beginning of intron 2 of the human KRAS gene. Journal of Biosciences, 2015, 40, 873-883.	1.1	10
52	Biological Big Bytes: Integrative Analysis of Large Biological Datasets. Journal of Integrative Bioinformatics, 2017, 14, .	1.5	10
53	Plant Biology at Belyaev Conference – 2017. BMC Plant Biology, 2017, 17, 257.	3.6	9
54	Medical genomics at Belyaev Conference – 2017. BMC Medical Genomics, 2018, 11, 11.	1.5	9

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55	Plant biology research at BGRS-2018. BMC Plant Biology, 2019, 19, 56.	3.6	9
56	Regulatory genomics: Combined experimental and computational approaches. Russian Journal of Genetics, 2015, 51, 334-352.	0.6	8
57	Computer genomics research at the bioinformatics conference series in Novosibirsk. BMC Genomics, 2019, 20, 537.	2.8	8
58	Analysis of differential gene expression by RNA-seq data in brain areas of laboratory animals. Journal of Integrative Bioinformatics, 2016, 13, 1-15.	1.5	7
59	Neuroscience researches at Belyaev conference-2017. BMC Neuroscience, 2018, 19, 14.	1.9	7
60	Genomics at Belyaev conference – 2017. BMC Genomics, 2018, 19, 79.	2.8	7
61	Bioinformatics Applications to Reveal Molecular Mechanisms of Gene Expression Regulation in Model Organisms. International Journal of Molecular Sciences, 2021, 22, 11973.	4.1	7
62	Aggressive behavior: Genetic and physiological mechanisms. Russian Journal of Genetics: Applied Research, 2015, 5, 413-429.	0.4	6
63	Introduction to the 9th Young Scientists School on Systems Biology and Bioinformatics (SBB'2017). Journal of Bioinformatics and Computational Biology, 2018, 16, 1802001.	0.8	6
64	Novel read density distribution score shows possible aligner artefacts, when mapping a single chromosome. BMC Genomics, 2018, 19, 92.	2.8	6
65	Genomics and Systems Biology at the "Century of Human Population Genetics―conference. BMC Genomics, 2020, 21, 592.	2.8	6
66	Statistical estimates of multiple transcription factors binding in the model plant genomes based on ChIP-seq data. Journal of Integrative Bioinformatics, 2022, 19, .	1.5	6
67	Computer and Statistical Analysis of Transcription Factor Binding and Chromatin Modifications by ChIP-seq data in Embryonic Stem Cell. Journal of Integrative Bioinformatics, 2012, 9, 88-100.	1.5	5
68	Cognitive Architecture of Collective Intelligence Based on Social Evidence. Procedia Computer Science, 2016, 88, 475-481.	2.0	5
69	Genomics research at Bioinformatics of Genome Regulation and Structure Systems Biology (BGRSSB) conferences in Novosibirsk. BMC Genomics, 2019, 20, 322.	2.8	5
70	Evolutionary biology and biodiversity research at BGRS-2018. BMC Evolutionary Biology, 2019, 19, 43.	3.2	5
71	Novel ChIP-seq simulating program with superior versatility: isChIP. Briefings in Bioinformatics, 2021, 22, .	6.5	5
72	Role of apoptosis genes in aggression revealed using combined analysis of ANDSystem gene networks, expression and genomic data in grey rats with aggressive behavior. Vavilovskii Zhurnal Genetiki I Selektsii, 2017, 21, 911-919.	1.1	5

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73	Editorial: Bioinformatics of Genome Regulation, Volume II. Frontiers in Genetics, 2021, 12, 795257.	2.3	5
74	Computational analysis and modeling of genome-scale avidity distribution of transcription factor binding sites in chip-pet experiments. Genome Informatics, 2007, 19, 83-94.	0.4	5
75	Analysis of differential gene expression by RNA-seq data in brain areas of laboratory animals. Journal of Integrative Bioinformatics, 2016, 13, 292.	1.5	5
76	Title is missing!. Molecular Biology, 2001, 35, 810-817.	1.3	4
77	Genome-wide statistical analysis of multiple transcription factor binding sites obtained by chip-seq technologies. , 2009, , .		4
78	Medical genomics at the Systems Biology and Bioinformatics (SBB-2019) school. BMC Medical Genomics, 2020, 13, 127.	1.5	4
79	Molecular characteristic of treatment failure clinical isolates of Leishmania major. PeerJ, 2021, 9, e10969.	2.0	4
80	Biodistribution of 10B in Glioma Orthotopic Xenograft Mouse Model after Injection of L-para-Boronophenylalanine and Sodium Borocaptate. Biomedicines, 2021, 9, 722.	3.2	4
81	Genetic polymorphisms and related risk factors ofÂischemic stroke in a Mongolian population in China. Vavilovskii Zhurnal Genetiki I Selektsii, 2017, 21, 581-587.	1.1	4
82	The rs78378222 prevalence and the copy loss of the protective allele A in the tumor tissue of diffuse large B-cell lymphoma. PeerJ, 2020, 8, e10335.	2.0	4
83	Glioblastoma gene network reconstruction and ontology analysis by online bioinformatics tools. Journal of Integrative Bioinformatics, 2021, 18, .	1.5	4
84	Computer and statistical analysis of transcription factor binding and chromatin modifications by ChIP-seq data in embryonic stem cell. Journal of Integrative Bioinformatics, 2012, 9, 211.	1.5	4
85	Editorial: High-Throughput Sequencing-Based Investigation of Chronic Disease Markers and Mechanisms. Frontiers in Genetics, 0, 13, .	2.3	4
86	Plant Biology and Biotechnology: Focus on Genomics and Bioinformatics. International Journal of Molecular Sciences, 2022, 23, 6759.	4.1	4
87	Development of new SSR markers for homoeologous WFZP gene loci based on the study of the structure and location of microsatellites in gene-rich regions of chromosomes 2AS, 2BS, and 2DS in bread wheat. Russian Journal of Genetics: Applied Research, 2016, 6, 330-337.	0.4	3
88	Bioinformatics research at SBB-2019. BMC Bioinformatics, 2020, 21, 366.	2.6	3
89	Microbiology research at the systems biology and bioinformatics - 2019 (SBB-2019) school. BMC Microbiology, 2020, 20, 348.	3.3	3
90	Genetics research at the "Centenary of human population genetics" conference and SBB-2019. BMC Genetics, 2020, 21, 109.	2.7	3

#	Article	lF	CITATIONS
91	5th International Scientific Conference of "Plant Genetics, Genomics, Bioinformatics, and Biotechnology―(24-29 June 2019, Novosibirsk, Russia). Journal of Food Quality and Hazards Control, 0, , .	0.1	3
92	Challenges of in vitro conservation of Đjitrus germplasm resources. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 24-28.	1.1	3
93	Integrated Computer Analysis of Genomic Sequencing Data Based on ICGenomics Tool. Advances in Intelligent Systems and Computing, 2020, , 154-164.	0.6	3
94	Life: Computational Genomics Applications in Life Sciences. Life, 2021, 11, 1211.	2.4	3
95	Editorial: Association Between Individuals' Genomic Ancestry and Variation in Disease Susceptibility. Frontiers in Genetics, 2022, 13, 831320.	2.3	3
96	Population Analysis of Diospyros lotus in the Northwestern Caucasus Based on Leaf Morphology and Multilocus DNA Markers. International Journal of Molecular Sciences, 2022, 23, 2192.	4.1	3
97	Translation efficiency in yeasts correlates with nucleosome formation in promoters. Journal of Biomolecular Structure and Dynamics, 2013, 31, 96-102.	3.5	2
98	Medical genetics studies at BGRS conference series. BMC Medical Genetics, 2019, 20, 50.	2.1	2
99	Testing Safety of Genetically Modified Products of Rice: Case Study on Sprague Dawley Rats. Russian Journal of Genetics, 2019, 55, 962-968.	0.6	2
100	In situ dissecting the evolution of gene duplication with different histone modification patterns based on high-throughput data analysis in Arabidopsis thaliana. PeerJ, 2021, 9, e10426.	2.0	2
101	COMPUTATIONAL ANALYSIS AND MODELING OF GENOME-SCALE AVIDITY DISTRIBUTION OF TRANSCRIPTION FACTOR BINDING SITES IN CHIP-PET EXPERIMENTS. , 2007, , .		2
102	Program for analysis of genome distribution of chromosome contacts in cell nucleus by the data obtained using ChIA-PET and Hi-C technologies. Program Systems Theory and Applications, 2017, 8, 219-242.	0.1	2
103	Entropy Analysis of Protein Sequences Reveals a Hierarchical Organization. Entropy, 2021, 23, 1647.	2.2	2
104	Statistical analysis of DNA sequences containing nucleosome positioning sites. Biophysics (Russian) Tj ETQq0 0 (O rgBT /O↓	verlock 10 Tf
105	APMA Database for Affymetrix Target Sequences Mapping, Quality Assessment and Expression Data Mining. Lecture Notes in Computer Science, 2007, , 166-177.	1.3	1
106	Relatively conserved common short sequences in transcription factor binding sites and miRNA. Russian Journal of Genetics: Applied Research, 2012, 2, 238-242.	0.4	1
107	RatDNA: A database on microarray studies of rats bearing genes associated with age-related diseases. Russian Journal of Genetics: Applied Research, 2013, 3, 163-170.	0.4	1
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109	Flanking monomer repeats determine decreased context complexity of single nucleotide polymorphism sites in the human genome. Russian Journal of Genetics: Applied Research, 2016, 6, 809-815.	0.4	1
110	Medical genetics studies at the SBB-2019 and MGNGS-2019 conferences. BMC Medical Genetics, 2020, 21, 186.	2.1	1
111	Estimation of the probability of daily fluctuations of incidence of COVID-19 according to official data. PeerJ, 2021, 9, e11049.	2.0	1
112	Computer tools for analysis of transcriptomics data: program complex ExpGene. Program Systems Theory and Applications, 2017, 8, 45-68.	0.1	1
113	CpG islands' clustering uncovers early development genes in the human genome. Computer Science and Information Systems, 2018, 15, 473-485.	1.0	1
114	The Geographic Information System of the Russian Ministry of Health. Smart Innovation, Systems and Technologies, 2020, , 403-411.	0.6	1
115	Bioinformatics of genome regulation and structure – 2020 papers collection. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	1
116	Editorial: Bioinformatics of Genome Regulation, Volume I. Frontiers in Genetics, 2021, 12, 803273.	2.3	1
117	Software for Analysis of Gene Regulatory Sequences by Knowledge Discovery Methods. , 2006, , 491-498.		1
118	Interstitial telomeric repeats as markers of evolutionary changes in the mammalian karyotype: Human chromosome 2. Biophysics (Russian Federation), 2006, 51, 535-540.	0.7	0
119	INTRODUCTION TO THE SELECTED PAPERS OF BGRS'06. Journal of Bioinformatics and Computational Biology, 2007, 05, vii-viii.	0.8	0
120	Computer analysis of the data on gene expression in brain cells obtained by microarray tests and high-throughput sequencing. Russian Journal of Genetics: Applied Research, 2014, 4, 259-266.	0.4	0
121	Transcriptome profiles of gene expression in brain of male mice with repeated experience of aggression as revealed by RNA-Seq. European Neuropsychopharmacology, 2016, 26, S179.	0.7	0
122	The evolution of CpG islands by tandem duplications. Russian Journal of Genetics: Applied Research, 2017, 7, 538-549.	0.4	0
123	Differential alternative splicing in brain regions of rats selected for aggressive behavior. Molecular Biology, 2017, 51, 759-768.	1.3	0
124	Triple Haplotypes of the TP53 Gene in Patients with Diffuse Small B-Cell Lymphoma. Russian Journal of Genetics, 2019, 55, 1564-1568.	0.6	0
125	Consideration of pathogenicity of nsSNVs in CDKN2A gene, as a new tumor marker for leukemia, using bioinformatics methods. , 2020, , .		0
126	Reconstruction of Dementia Gene Network Using Online Bioinformatics Tools. , 2020, , .		0

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127	Statistical problems of clusters of transcription factor binding sites in plant genomes. , 2020, , .		0
128	RNA Polymrase II gene expression in clinical Leishmania major isolates with no-response-to-drug pattern. Biointerface Research in Applied Chemistry, 2019, 9, 4126-4130.	1.0	0
129	VMM: A Variable Memory Markov Model Prediction of Nucleosome Formation Sites. , 2006, , 85-95.		0