

Aleksey V Zimin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41 papers	4,836 citations	22 h-index	52 g-index
52 ext. papers	7,420 ext. citations	9.4 avg, IF	5.53 L-index

#	Paper	IF	Citations
41	A whole-genome assembly of the domestic cow, <i>Bos taurus</i> . <i>Genome Biology</i> , 2009 , 10, R42	18.3	798
40	The MaSuRCA genome assembler. <i>Bioinformatics</i> , 2013 , 29, 2669-77	7.2	703
39	The Atlantic salmon genome provides insights into rediploidization. <i>Nature</i> , 2016 , 533, 200-5	50.4	606
38	MUMmer4: A fast and versatile genome alignment system. <i>PLoS Computational Biology</i> , 2018 , 14, e1005944	5.4	556
37	Genome sequence of the progenitor of the wheat D genome <i>Aegilops tauschii</i> . <i>Nature</i> , 2017 , 551, 498-502	50.4	337
36	Transcriptome assembly from long-read RNA-seq alignments with StringTie2. <i>Genome Biology</i> , 2019 , 20, 278	18.3	244
35	Sequencing and assembly of the 22-gb loblolly pine genome. <i>Genetics</i> , 2014 , 196, 875-90	4	211
34	Hybrid assembly of the large and highly repetitive genome of , a progenitor of bread wheat, with the MaSuRCA mega-reads algorithm. <i>Genome Research</i> , 2017 , 27, 787-792	9.7	208
33	The first near-complete assembly of the hexaploid bread wheat genome, <i>Triticum aestivum</i> . <i>GigaScience</i> , 2017 , 6, 1-7	7.6	157
32	A New Chicken Genome Assembly Provides Insight into Avian Genome Structure. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 109-117	3.2	143
31	De novo assembly of the cattle reference genome with single-molecule sequencing. <i>GigaScience</i> , 2020 , 9,	7.6	140
30	Sequence of the Sugar Pine Megagenome. <i>Genetics</i> , 2016 , 204, 1613-1626	4	119
29	Assembly reconciliation. <i>Bioinformatics</i> , 2008 , 24, 42-5	7.2	105
28	Transposable element islands facilitate adaptation to novel environments in an invasive species. <i>Nature Communications</i> , 2014 , 5, 5495	17.4	104
27	The Douglas-Fir Genome Sequence Reveals Specialization of the Photosynthetic Apparatus in Pinaceae. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 3157-3167	3.2	55
26	Human contamination in bacterial genomes has created thousands of spurious proteins. <i>Genome Research</i> , 2019 , 29, 954-960	9.7	51
25	An improved assembly of the loblolly pine mega-genome using long-read single-molecule sequencing. <i>GigaScience</i> , 2017 , 6, 1-4	7.6	44

24	High-quality chromosome-scale assembly of the walnut (<i>Juglans regia</i> L.) reference genome. <i>GigaScience</i> , 2020 , 9,	7.6	33
23	The genome polishing tool POLCA makes fast and accurate corrections in genome assemblies. <i>PLoS Computational Biology</i> , 2020 , 16, e1007981	5	32
22	A High-Resolution SNP Array-Based Linkage Map Anchors a New Domestic Cat Draft Genome Assembly and Provides Detailed Patterns of Recombination. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 1607-1616	3.2	32
21	Genome assembly and characterization of a complex zFBED-NLR gene-containing disease resistance locus in Carolina Gold Select rice with Nanopore sequencing. <i>PLoS Genetics</i> , 2020 , 16, e1008571	6	30
20	A Reference Genome Sequence for Giant Sequoia. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 3907-3919	3.2	22
19	Assembly and annotation of an Ashkenazi human reference genome. <i>Genome Biology</i> , 2020 , 21, 129	18.3	20
18	Mis-assembled "segmental duplications" in two versions of the <i>Bos taurus</i> genome. <i>PLoS ONE</i> , 2012 , 7, e42680	3.7	19
17	Chromosome-Scale Assembly of the Bread Wheat Genome Reveals Thousands of Additional Gene Copies. <i>Genetics</i> , 2020 , 216, 599-608	4	17
16	Soybean aphid biotype 1 genome: Insights into the invasive biology and adaptive evolution of a major agricultural pest. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 120, 103334	4.5	8
15	First Draft Genome Sequence of the Pathogenic Fungus (Formerly). <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 3831-3836	3.2	7
14	New de novo assembly of the Atlantic bottlenose dolphin (<i>Tursiops truncatus</i>) improves genome completeness and provides haplotype phasing. <i>GigaScience</i> , 2019 , 8,	7.6	6
13	The American lobster genome reveals insights on longevity, neural, and immune adaptations. <i>Science Advances</i> , 2021 , 7,	14.3	6
12	Assembled and annotated 26.5 Gbp coast redwood genome: a resource for estimating evolutionary adaptive potential and investigating hexaploid origin.. <i>G3: Genes, Genomes, Genetics</i> , 2022 , 12,	3.2	4
11	Improving Phrap-based assembly of the rat using "reliable" overlaps. <i>PLoS ONE</i> , 2008 , 3, e1836	3.7	4
10	The SAMBA tool uses long reads to improve the contiguity of genome assemblies.. <i>PLoS Computational Biology</i> , 2022 , 18, e1009860	5	2
9	A reference-quality, fully annotated genome from a Puerto Rican individual.. <i>Genetics</i> , 2021 ,	4	2
8	Assembly and Annotation of an Ashkenazi Human Reference Genome		2
7	Chromosome-scale assembly of the bread wheat genome, <i>Triticum aestivum</i> , reveals over 5700 new genes		2

6	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks	2
5	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks.. <i>Nature Communications</i> , 2022 , 13, 2047	17.4 2
4	The genome polishing tool POLCA makes fast and accurate corrections in genome assemblies	1
3	New de novo assembly of the Atlantic bottlenose dolphin (<i>Tursiops truncatus</i>) improves genome completeness and provides haplotype phasing	1
2	The genome of the American groundhog,. <i>F1000Research</i> , 2020 , 9, 1137	3.6 0
1	A pseudomolecule assembly of the Rocky Mountain elk genome. <i>PLoS ONE</i> , 2021 , 16, e0249899	3.7 0