Aleksey V Zimin

List of Publications by Year in Descending Order

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	The SAMBA tool uses long reads to improve the contiguity of genome assemblies.. *PLoS Computational Biology*, **2022**, 18, e1009860	5	2
40	Assembled and annotated 26.5 Gbp coast redwood genome: a resource for estimating evolutionary adaptive potential and investigating hexaploid origin.. *G3: Genes, Genomes, Genetics*, **2022**, 12,	3.2	4
39	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks.. *Nature Communications*, **2022**, 13, 2047	17.4	2
38	A reference-quality, fully annotated genome from a Puerto Rican individual.. *Genetics*, **2021**,	4	2
37	A pseudomolecule assembly of the Rocky Mountain elk genome. *PLoS ONE*, **2021**, 16, e0249899	3.7	0
36	The American lobster genome reveals insights on longevity, neural, and immune adaptations. *Science Advances*, **2021**, 7,	14.3	6
35	High-quality chromosome-scale assembly of the walnut (Juglans regia L.) reference genome. *GigaScience*, **2020**, 9,	7.6	33
34	Assembly and annotation of an Ashkenazi human reference genome. *Genome Biology*, **2020**, 21, 129	18.3	20
33	The genome polishing tool POLCA makes fast and accurate corrections in genome assemblies. *PLoS Computational Biology*, **2020**, 16, e1007981	5	32
32	Soybean aphid biotype 1 genome: Insights into the invasive biology and adaptive evolution of a major agricultural pest. *Insect Biochemistry and Molecular Biology*, **2020**, 120, 103334	4.5	8
31	Genome assembly and characterization of a complex zfBED-NLR gene-containing disease resistance locus in Carolina Gold Select rice with Nanopore sequencing. *PLoS Genetics*, **2020**, 16, e1008571	6	30
30	The genome of the American groundhog,. *F1000Research*, **2020**, 9, 1137	3.6	0
29	A Reference Genome Sequence for Giant Sequoia. *G3: Genes, Genomes, Genetics*, **2020**, 10, 3907-3919	3.2	22
28	Chromosome-Scale Assembly of the Bread Wheat Genome Reveals Thousands of Additional Gene Copies. *Genetics*, **2020**, 216, 599-608	4	17
27	De novo assembly of the cattle reference genome with single-molecule sequencing. *GigaScience*, **2020**, 9,	7.6	140
26	New de novo assembly of the Atlantic bottlenose dolphin (Tursiops truncatus) improves genome completeness and provides haplotype phasing. *GigaScience*, **2019**, 8,	7.6	6
25	Human contamination in bacterial genomes has created thousands of spurious proteins. *Genome Research*, **2019**, 29, 954-960	9.7	51

24	Transcriptome assembly from long-read RNA-seq alignments with StringTie2. *Genome Biology*, **2019**, 20, 278	18.3	244
23	MUMmer4: A fast and versatile genome alignment system. *PLoS Computational Biology*, **2018**, 14, e1005944	3	556
22	Hybrid assembly of the large and highly repetitive genome of , a progenitor of bread wheat, with the MaSuRCA mega-reads algorithm. *Genome Research*, **2017**, 27, 787-792	9.7	208
21	A New Chicken Genome Assembly Provides Insight into Avian Genome Structure. *G3: Genes, Genomes, Genetics*, **2017**, 7, 109-117	3.2	143
20	First Draft Genome Sequence of the Pathogenic Fungus (Formerly). *G3: Genes, Genomes, Genetics*, **2017**, 7, 3831-3836	3.2	7
19	The Douglas-Fir Genome Sequence Reveals Specialization of the Photosynthetic Apparatus in Pinaceae. *G3: Genes, Genomes, Genetics*, **2017**, 7, 3157-3167	3.2	55
18	Genome sequence of the progenitor of the wheat D genome Aegilops tauschii. *Nature*, **2017**, 551, 498-502	50.4	337
17	The first near-complete assembly of the hexaploid bread wheat genome, Triticum aestivum. *GigaScience*, **2017**, 6, 1-7	7.6	157
16	An improved assembly of the loblolly pine mega-genome using long-read single-molecule sequencing. *GigaScience*, **2017**, 6, 1-4	7.6	44
15	Sequence of the Sugar Pine Megagenome. *Genetics*, **2016**, 204, 1613-1626	4	119
14	A High-Resolution SNP Array-Based Linkage Map Anchors a New Domestic Cat Draft Genome Assembly and Provides Detailed Patterns of Recombination. *G3: Genes, Genomes, Genetics*, **2016**, 6, 1607-16	3.2	32
13	The Atlantic salmon genome provides insights into rediploidization. *Nature*, **2016**, 533, 200-5	50.4	606
12	Transposable element islands facilitate adaptation to novel environments in an invasive species. *Nature Communications*, **2014**, 5, 5495	17.4	104
11	Sequencing and assembly of the 22-gb loblolly pine genome. *Genetics*, **2014**, 196, 875-90	4	211
10	The MaSuRCA genome assembler. *Bioinformatics*, **2013**, 29, 2669-77	7.2	703
9	Mis-assembled "segmental duplications" in two versions of the Bos taurus genome. *PLoS ONE*, **2012**, 7, e42680	3.7	19
8	A whole-genome assembly of the domestic cow, Bos taurus. *Genome Biology*, **2009**, 10, R42	18.3	798
7	Assembly reconciliation. *Bioinformatics*, **2008**, 24, 42-5	7.2	105

6	Improving Phrap-based assembly of the rat using "reliable" overlaps. *PLoS ONE*, **2008**, 3, e1836	3.7	4
5	The genome polishing tool POLCA makes fast and accurate corrections in genome assemblies		1
4	Assembly and Annotation of an Ashkenazi Human Reference Genome		2
3	Chromosome-scale assembly of the bread wheat genome, Triticum aestivum, reveals over 5700 new genes		2
2	New de novo assembly of the Atlantic bottlenose dolphin (Tursiops truncatus) improves genome completeness and provides haplotype phasing		1
1	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks		2