

Alexander Belyayev

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,507
citations

361413

20
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	Repetitive DNA and chromosomal rearrangements: speciation-related events in plant genomes. <i>Cytogenetic and Genome Research</i> , 2008, 120, 351-357.	1.1	251
2	Bursts of transposable elements as an evolutionary driving force. <i>Journal of Evolutionary Biology</i> , 2014, 27, 2573-2584.	1.7	163
3	Quantum speciation in <i>Aegilops</i> : Molecular cytogenetic evidence from rDNA cluster variability in natural populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14818-14823.	7.1	129
4	Activity of the En/Spm-like transposons in meiosis as a base for chromosome repatterning in a small, isolated, peripheral population of <i>Aegilops speltoides</i> Tausch.. <i>Chromosome Research</i> , 2004, 12, 153-161.	2.2	118
5	Transposable elements in a marginal plant population: temporal fluctuations provide new insights into genome evolution of wild diploid wheat. <i>Mobile DNA</i> , 2010, 1, 6.	3.6	85
6	Chromosomal distribution of reverse transcriptase-containing retroelements in two Triticeae species. <i>Chromosome Research</i> , 2001, 9, 129-136.	2.2	53
7	Hybridization and polyploidization within the <i>Chenopodium album</i> aggregate analysed by means of cytological and molecular markers. <i>Molecular Phylogenetics and Evolution</i> , 2018, 129, 189-201.	2.7	49
8	Coevolution of A and B genomes in allotetraploid <i>Triticum dicoccoides</i> . <i>Genome</i> , 2000, 43, 1021-1026.	2.0	47
9	Chromosome evolution in marginal populations of <i>Aegilops speltoides</i> : causes and consequences. <i>Annals of Botany</i> , 2013, 111, 531-538.	2.9	43
10	The utility of the nontranscribed spacer of 5S rDNA units grouped into unit classes assigned to haplomes – a test on cultivated wheat and wheat progenitors. <i>Genome</i> , 2004, 47, 590-599.	2.0	40
11	Allopolyploid Origin of <i>Chenopodium album</i> s. str. (Chenopodiaceae): A Molecular and Cytogenetic Insight. <i>PLoS ONE</i> , 2016, 11, e0161063.	2.5	39
12	Diversity of Long Terminal Repeat Retrotransposon Genome Distribution in Natural Populations of the Wild Diploid Wheat <i>Aegilops speltoides</i> . <i>Genetics</i> , 2012, 190, 263-274.	2.9	38
13	Tandem repeats on an eco-geographical scale: outcomes from the genome of <i>Aegilops speltoides</i> . <i>Chromosome Research</i> , 2011, 19, 607-623.	2.2	36
14	Mapping of Hieracium (Asteraceae) chromosomes with genus-specific satDNA elements derived from next-generation sequencing data. <i>Plant Systematics and Evolution</i> , 2018, 304, 387-396.	0.9	35
15	Natural History of a Satellite DNA Family: From the Ancestral Genome Component to Species-Specific Sequences, Concerted and Non-Concerted Evolution. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1201.	4.1	33
16	Repetitive DNAs of wild emmer wheat (<i>Triticum dicoccoides</i>) and their relation to S-genome species: molecular cytogenetic analysis. <i>Genome</i> , 2002, 45, 391-401.	2.0	27
17	Long Tandem Arrays of Cassandra Retroelements and Their Role in Genome Dynamics in Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2931.	4.1	27
18	Heterochromatin discrimination in <i>Aegilops speltoides</i> by simultaneous genomic in situ hybridization. , 1998, 6, 559-566.		26

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19	Variability of the chromosomal distribution of Ty3- <i>gypsy</i> retrotransposons in the populations of two wild Triticeae species. <i>Cytogenetic and Genome Research</i> , 2005, 109, 43-49.	1.1	26
20	Evolutionary dynamics and chromosomal distribution of repetitive sequences on chromosomes of <i>Aegilops speltoides</i> revealed by genomic in situ hybridization. <i>Heredity</i> , 2001, 86, 738-742.	2.6	25
21	Coevolution of A and B genomes in allotetraploid <i>Triticum dicoccoides</i> . <i>Genome</i> , 2000, 43, 1021-1026.	2.0	25
22	En/Spm-like transposons in Poaceae species: Transposase sequence variability and chromosomal distribution. <i>Cellular and Molecular Biology Letters</i> , 2006, 11, 214-30.	7.0	21
23	Evolutionary history and genetic diversity of apomictic allopolyploids in <i>Hieracium</i> s.str.: morphological versus genomic features. <i>American Journal of Botany</i> , 2020, 107, 66-90.	1.7	20
24	Nucleolar aggresomes mediate release of pericentric heterochromatin and nuclear destruction of genotoxically treated cancer cells. <i>Nucleus</i> , 2017, 8, 205-221.	2.2	17
25	Ac-like transposons in populations of wild diploid Triticeae species: comparative analysis of chromosomal distribution. <i>Chromosome Research</i> , 2006, 14, 307-317.	2.2	16
26	Coevolution of A and B genomes in allotetraploid <i>Triticum dicoccoides</i> . <i>Genome</i> , 2000, 43, 1021-6.	2.0	15
27	Detection of Alien Chromosomes from S-Genome Species in the Addition/Substitution Lines of Bread Wheat and Visualization of A-, B- and D-Genomes by GISH. <i>Hereditas</i> , 2004, 135, 119-122.	1.4	13
28	Transposons and satellite DNA: on the origin of the major satellite DNA family in the <i>Chenopodium</i> genome. <i>Mobile DNA</i> , 2020, 11, 20.	3.6	13
29	Heterochromatin differentiation shows the pathways of karyotypic evolution in Israeli mole rats (<i>Spalax</i> , Spalacidae, Rodentia). <i>Cytogenetic and Genome Research</i> , 2005, 111, 159-165.	1.1	10
30	An unexpected new diploid <i>Hieracium</i> from Europe: Integrative taxonomic approach with a phylogeny of diploid <i>Hieracium</i> taxa. <i>Taxon</i> , 2019, 68, 1258-1277.	0.7	10
31	Evolutionary dynamics and chromosomal distribution of repetitive sequences on chromosomes of <i>Aegilops speltoides</i> revealed by genomic in situ hybridization. <i>Heredity</i> , 2001, 86, 738-742.	2.6	10
32	Molecular cytogenetic characterisation of <i>Elytrigia Æ—mucronata</i> , a natural hybrid of <i>E. intermedia</i> and <i>E. repens</i> (Triticeae, Poaceae). <i>BMC Plant Biology</i> , 2019, 19, 230.	3.6	9
33	The major satellite DNA families of the diploid <i>Chenopodium album</i> aggregate species: Arguments for and against the "œlibrary hypothesis" PLoS ONE, 2020, 15, e0241206.	2.5	9
34	Transposable Elements in a Marginal Population of <i>Aegilops speltoides</i> : Temporal Fluctuations Provide New Insights into Genome Evolution of Wild Diploid Wheat. , 2011, , 313-324.		7
35	Banding of G- or R-type in prophase/prometaphase in the M-chromosome of <i>Vicia faba</i> L.. <i>Caryologia</i> , 1993, 46, 301-307.	0.3	5
36	Intrapopulation and individual polymorphism of heterochromatin segments in <i>Trillium camschatcense</i> Ker.-Gawl.. <i>Caryologia</i> , 1995, 48, 157-164.	0.3	5

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37	Copy-number variation of housekeeping gene rpl13a in rat strains selected for nervous system excitability. <i>Molecular and Cellular Probes</i> , 2017, 33, 11-15.	2.1	5
38	Survival at the Brink. , 2017, , 275-294.		5
39	Dynamics of highly repetitive DNA fraction as indicator of speciation in species of the family Poaceae. <i>Russian Journal of Genetics</i> , 2010, 46, 1122-1124.	0.6	2
40	The structural diversity of CACTA transposons in genomes of <i>Chenopodium</i> (Amaranthaceae.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Mobile DNA</i> , 2022, 13, 8.	3.6	0