

Bohuslav Janousek

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

977
citations

471509

17
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	A Gradual Process of Recombination Restriction in the Evolutionary History of the Sex Chromosomes in Dioecious Plants. <i>PLoS Biology</i> , 2004, 3, e4.	5.6	198
2	Isolation and characterization of X chromosome-derived DNA sequences from a dioecious plant <i>Melandrium album</i> . <i>Chromosome Research</i> , 1997, 5, 57-6.	2.2	89
3	Immunohistochemical study of DNA methylation dynamics during plant development. <i>Journal of Experimental Botany</i> , 2001, 52, 2265-2273.	4.8	82
4	Comparison of the X and Y Chromosome Organization in <i>Silene latifolia</i> . <i>Genetics</i> , 2005, 170, 1431-1434.	2.9	51
5	Independent Origin of Sex Chromosomes in Two Species of the Genus <i>Silene</i> . <i>Genetics</i> , 2008, 179, 1129-1133.	2.9	50
6	Early Events in the Evolution of the <i>Silene latifolia</i> Y Chromosome: Male Specialization and Recombination Arrest. <i>Genetics</i> , 2007, 177, 375-386.	2.9	44
7	EVOLUTION OF SEX DETERMINATION SYSTEMS WITH HETEROGAMETIC MALES AND FEMALES IN <i>SILENE</i> . Evolution; <i>International Journal of Organic Evolution</i> , 2013, 67, 3669-3677.	2.3	44
8	Dioecious <i>Silene latifolia</i> plants show sexual dimorphism in the vegetative stage. <i>BMC Plant Biology</i> , 2010, 10, 208.	3.6	39
9	Sex chromosomes and sex determination pathway dynamics in plant and animal models. <i>Biological Journal of the Linnean Society</i> , 2010, 100, 737-752.	1.6	39
10	Evolution of sex determination and heterogamety changes in section <i>Otites</i> of the genus <i>Silene</i> . <i>Scientific Reports</i> , 2019, 9, 1045.	3.3	29
11	The inter-specific hybrid <i>Silene latifolia</i> — <i>S. viscosa</i> reveals early events of sex chromosome evolution. <i>Evolution & Development</i> , 2005, 7, 327-336.	2.0	28
12	Histone H4 acetylation and DNA methylation dynamics during pollen development. <i>Protoplasma</i> , 2000, 211, 116-122.	2.1	27
13	An interspecific hybrid as a tool to study phylogenetic relationships in plants using the GISH technique. <i>Chromosome Research</i> , 2007, 15, 1051-1059.	2.2	27
14	Non-transmissibility of the Y chromosome through the female line in androhermaphrodite plants of <i>Melandrium album</i> . <i>Heredity</i> , 1998, 80, 576-583.	2.6	23
15	Sex and the flower “developmental aspects of sex chromosome evolution. <i>Annals of Botany</i> , 2018, 122, 1085-1101.	2.9	21
16	MK17, a specific marker closely linked to the gynoeceum suppression region on the Y chromosome in <i>Silene latifolia</i> . <i>Theoretical and Applied Genetics</i> , 2006, 113, 280-287.	3.6	20
17	Comparative analysis of a plant pseudoautosomal region (PAR) in <i>Silene latifolia</i> with the corresponding <i>S. vulgaris</i> autosome. <i>BMC Genomics</i> , 2012, 13, 226.	2.8	20
18	The Evolutionary Fate of the Horizontally Transferred Agrobacterial Mikimopine Synthase Gene in the Genera <i>Nicotiana</i> and <i>Linaria</i> . <i>PLoS ONE</i> , 2014, 9, e113872.	2.5	17

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19	Seed Morphology in <i>Silene</i> Based on Geometric Models. <i>Plants</i> , 2020, 9, 1787.	3.5	17
20	SexChrom, a database on plant sex chromosomes. <i>New Phytologist</i> , 2020, 227, 1594-1604.	7.3	14
21	Replication Patterns of Sex Chromosomes in <i>Melandrium Album</i> Female Cells. <i>Hereditas</i> , 2004, 120, 175-181.	1.4	13
22	What can we learn from tobacco and other Solanaceae about horizontal DNA transfer?. <i>American Journal of Botany</i> , 2011, 98, 1231-1242.	1.7	13
23	Bisprimer – A Program for the Design of Primers for Bisulfite-Based Genomic Sequencing of Both Plant and Mammalian DNA Samples. <i>Journal of Heredity</i> , 2012, 103, 308-312.	2.4	13
24	Karyological analysis of an interspecific hybrid between the dioecious <i>Silene latifolia</i> and the hermaphroditic <i>Silene viscosa</i> . <i>Genome</i> , 2006, 49, 373-379.	2.0	11
25	DNA methylation analysis of a male reproductive organ specific gene (MROS1) during pollen development. <i>Genome</i> , 2002, 45, 930-938.	2.0	9
26	New Techniques for Seed Shape Description in <i>Silene</i> Species. <i>Taxonomy</i> , 2022, 2, 1-19.	1.0	9
27	New Geometric Models for Shape Quantification of the Dorsal View in Seeds of <i>Silene</i> Species. <i>Plants</i> , 2022, 11, 958.	3.5	8
28	Chromosomes and Sex Differentiation. , 2013, , 167-186.		7
29	Epigenetic control of sexual phenotype in a dioecious plant,. <i>Molecular Genetics and Genomics</i> , 1996, 250, 483.	2.4	7
30	The evolution of huge Y chromosomes in <i>Coccinia grandis</i> and its sister, <i>Coccinia schimperi</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210294.	4.0	5
31	Interkingdom protein domain fusion: the case of an antimicrobial protein in potato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0,9 2		
32	Adaptive changes of the autosomal part of the genome in a dioecious clade of <i>Silene</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210228.	4.0	1
33	Mapping of non-recombining regions via molecular markers. <i>Plant, Soil and Environment</i> , 2007, 53, 321-324.	2.2	0
34	Identification and characterization of a bacteria-like sequence in the genome of some <i>Silene</i> species. <i>Biologia Plantarum</i> , 2012, 56, 247-253.	1.9	0