

Miroslav Plohl

List of Publications by Year in descending order

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46
papers

1,672
citations

361296
20
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289141
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docs citations

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times ranked

1107
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite DNAs between selfishness and functionality: Structure, genomics and evolution of tandem repeats in centromeric (hetero)chromatin. <i>Gene</i> , 2008, 409, 72-82.	1.0	287
2	Variation in satellite DNA profilesâ€”causes and effects. <i>EMBO Journal</i> , 2002, 21, 5955-5959.	3.5	257
3	Centromere identity from the DNA point of view. <i>Chromosoma</i> , 2014, 123, 313-325.	1.0	157
4	Structural and functional liaisons between transposable elements and satellite DNAs. <i>Chromosome Research</i> , 2015, 23, 583-596.	1.0	101
5	Sequence of PRAT Satellite DNA "Frozen" in Some Coleopteran Species. <i>Journal of Molecular Evolution</i> , 2002, 54, 774-783.	0.8	64
6	Genome-wide analysis of tandem repeats in <i>Tribolium castaneum</i> genome reveals abundant and highly dynamic tandem repeat families with satellite DNA features in euchromatic chromosomal arms. <i>DNA Research</i> , 2015, 22, 387-401.	1.5	52
7	Evidence for random distribution of sequence variants in <i>Tenebrio molitor</i> satellite DNA. <i>Genetical Research</i> , 1992, 60, 7-13.	0.3	43
8	Satellite DNA and heterochromatin of the flour beetle <i>Tribolium confusum</i> . <i>Genome</i> , 1993, 36, 467-475.	0.9	42
9	Interplay of Selective Pressure and Stochastic Events Directs Evolution of the MEL172 Satellite DNA Library in Root-Knot Nematodes. <i>Molecular Biology and Evolution</i> , 2006, 23, 2316-2325.	3.5	42
10	Adjacent sequences disclose potential for intra-genomic dispersal of satellite DNA repeats and suggest a complex network with transposable elements. <i>BMC Genomics</i> , 2016, 17, 997.	1.2	42
11	Tandem Repeat-Containing MITEs in the Clam <i>Donax trunculus</i> . <i>Genome Biology and Evolution</i> , 2013, 5, 2549-2559.	1.1	41
12	Similarity of Structural Features and Evolution of Satellite DNAs from <i>Palorus subdepressus</i> (Coleoptera) and Related Species. <i>Journal of Molecular Evolution</i> , 1998, 46, 234-239.	0.8	38
13	Sequence of PRAT Satellite DNA "Frozen" in Some Coleopteran Species. <i>Journal of Molecular Evolution</i> , 2002, 54, 774-783.	0.8	38
14	Conserved patterns in the evolution of <i>Tribolium</i> satellite DNAs. <i>Gene</i> , 2004, 332, 169-177.	1.0	33
15	A novel interspersed type of organization of satellite DNAs in <i>Tribolium madens</i> heterochromatin. <i>Chromosome Research</i> , 2000, 8, 201-212.	1.0	31
16	Evolution of <i>Tribolium madens</i> (Insecta, Coleoptera) satellite DNA through DNA inversion and insertion. <i>Journal of Molecular Evolution</i> , 1996, 42, 350-358.	0.8	29
17	Parallelism in Evolution of Highly Repetitive DNAs in Sibling Species. <i>Molecular Biology and Evolution</i> , 2010, 27, 1857-1867.	3.5	29
18	Long Inversely Oriented Subunits Form a Complex Monomer of <i>Tribolium brevicornis</i> Satellite DNA. <i>Journal of Molecular Evolution</i> , 2005, 60, 513-525.	0.8	24

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19	Satellite DNA junctions identify the potential origin of new repetitive elements in the beetle <i>Tribolium madens</i> . <i>Gene</i> , 2007, 394, 45-52.	1.0	22
20	Sequence divergence and conservation in organizationally distinct subfamilies of <i>Donax trunculus</i> satellite DNA. <i>Gene</i> , 2005, 362, 37-43.	1.0	20
21	Comparative study of satellite sequences and phylogeny of five species from the genus <i>Palorus</i> (Insecta, Coleoptera). <i>Genome</i> , 2000, 43, 776-785.	0.9	20
22	Characterization of Interrelated Sequence Motifs in Four Satellite DNAs and Their Distribution in the Genome of the Mollusc <i>Donax trunculus</i> . <i>Journal of Molecular Evolution</i> , 1997, 44, 189-198.	0.8	19
23	Conserved DNA Motifs, Including the CENP-B Box-like, Are Possible Promoters of Satellite DNA Array Rearrangements in Nematodes. <i>PLoS ONE</i> , 2013, 8, e67328.	1.1	19
24	Comparative study of satellite sequences and phylogeny of five species from the genus <i>Palorus</i> (Insecta, Coleoptera). <i>Genome</i> , 2000, 43, 776-785.	0.9	17
25	The puzzling character of repetitive DNA in <i>Phodopus</i> genomes (Cricetidae, Rodentia). <i>Chromosome Research</i> , 2015, 23, 427-440.	1.0	17
26	High conservation of the differentially amplified MPA2 satellite DNA family in parthenogenetic root-knot nematodes. <i>Gene</i> , 2006, 376, 260-267.	1.0	16
27	The Centromere Histone Is Conserved and Associated with Tandem Repeats Sharing a Conserved 19-bp Box in the Holocentromere of <i>Meloidogyne</i> Nematodes. <i>Molecular Biology and Evolution</i> , 2021, 38, 1943-1965.	3.5	16
28	Evolution of low-copy number and major satellite DNA sequences coexisting in two <i>Pimelia</i> species-groups (Coleoptera). <i>Gene</i> , 2003, 312, 85-94.	1.0	15
29	Satellite DNA-like repeats are dispersed throughout the genome of the Pacific oyster <i>Crassostrea gigas</i> carried by Helentron non-autonomous mobile elements. <i>Scientific Reports</i> , 2020, 10, 15107.	1.6	15
30	Preliminary phylogeny of <i>Tribolium</i> beetles (Coleoptera: Tenebrionidae) resolved by combined analysis of mitochondrial genes. <i>European Journal of Entomology</i> , 2006, 103, 709-715.	1.2	14
31	Satellitome Analysis of the Pacific Oyster <i>Crassostrea gigas</i> Reveals New Pattern of Satellite DNA Organization, Highly Scattered across the Genome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6798.	1.8	12
32	Evolutionary Story of a Satellite DNA from <i>Phodopus sungorus</i> (Rodentia, Cricetidae). <i>Genome Biology and Evolution</i> , 2014, 6, 2944-2955.	1.1	11
33	RUDI, a short interspersed element of the V-SINE superfamily widespread in molluscan genomes. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1419-1429.	1.0	11
34	Conserved and variable domains in satellite DNAs of mitotic parthenogenetic root-knot nematode species. <i>Gene</i> , 2005, 362, 44-50.	1.0	10
35	The Genome of <i>Rhyzopertha dominica</i> (Fab.) (Coleoptera: Bostrichidae): Adaptation for Success. <i>Genes</i> , 2022, 13, 446.	1.0	10
36	Relevance of satellite DNA genomic distribution in phylogenetic analysis: A case study with root-knot nematodes of the genus <i>Meloidogyne</i> . <i>Molecular Phylogenetics and Evolution</i> , 2009, 50, 204-208.	1.2	9

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37	CenH3 distribution reveals extended centromeres in the model beetle <i>Tribolium castaneum</i> . <i>PLoS Genetics</i> , 2020, 16, e1009115.	1.5	9
38	Methylation profile of a satellite DNA constituting the intercalary G+C-rich heterochromatin of the cut trough shell <i>Spisula subtruncata</i> (Bivalvia, Mactridae). <i>Scientific Reports</i> , 2017, 7, 6930.	1.6	8
39	Distribution of DTHS3 satellite DNA across 12 bivalve species. <i>Journal of Genetics</i> , 2018, 97, 575-580.	0.4	6
40	Terminal-Repeat Retrotransposons in Miniature (TRIMs) in bivalves. <i>Scientific Reports</i> , 2019, 9, 19962.	1.6	6
41	Sequence Composition Underlying Centromeric and Heterochromatic Genome Compartments of the Pacific Oyster <i>Crassostrea gigas</i> . <i>Genes</i> , 2020, 11, 695.	1.0	5
42	Distribution of DTHS3 satellite DNA across 12 bivalve species. <i>Journal of Genetics</i> , 2018, 97, 575-580.	0.4	5
43	Two new miniature inverted-repeat transposable elements in the genome of the clam <i>Donax trunculus</i> . <i>Genetica</i> , 2017, 145, 379-385.	0.5	3
44	Exploring Satellite DNAs: Specificities of Bivalve Mollusks Genomes. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 60, 57-83.	0.9	3
45	Evolution of <i>Tribolium madens</i> (Insecta, Coleoptera) Satellite DNA Through DNA Inversion and Insertion. <i>Journal of Molecular Evolution</i> , 1996, 42, 350-358.	0.8	2
46	Classification Problems of Repetitive DNA Sequences. <i>Dna</i> , 2021, 1, 84-90.	0.4	2