Miroslav Plohl

List of Publications by Year
in descending order

46 papers	1,672 citations	361045 20 h-index	288905 40 g-index
46 all docs	46 docs citations	46 times ranked	1107 citing authors

#	Article	IF	Citations
1	The Genome of Rhyzopertha dominica (Fab.) (Coleoptera: Bostrichidae): Adaptation for Success. Genes, 2022, 13, 446.	1.0	10
2	Exploring Satellite DNAs: Specificities of Bivalve Mollusks Genomes. Progress in Molecular and Subcellular Biology, 2021, 60, 57-83.	0.9	3
3	The Centromere Histone Is Conserved and Associated with Tandem Repeats Sharing a Conserved 19-bp Box in the Holocentromere of Meloidogyne Nematodes. Molecular Biology and Evolution, 2021, 38, 1943-1965.	3.5	16
4	Satellitome Analysis of the Pacific Oyster Crassostrea gigas Reveals New Pattern of Satellite DNA Organization, Highly Scattered across the Genome. International Journal of Molecular Sciences, 2021, 22, 6798.	1.8	12
5	Classification Problems of Repetitive DNA Sequences. Dna, 2021, 1, 84-90.	0.4	2
6	Sequence Composition Underlying Centromeric and Heterochromatic Genome Compartments of the Pacific Oyster Crassostrea gigas. Genes, 2020, 11, 695.	1.0	5
7	Satellite DNA-like repeats are dispersed throughout the genome of the Pacific oyster Crassostrea gigas carried by Helentron non-autonomous mobile elements. Scientific Reports, 2020, 10, 15107.	1.6	15
8	CenH3 distribution reveals extended centromeres in the model beetle Tribolium castaneum. PLoS Genetics, 2020, 16, e1009115.	1.5	9
9	Terminal-Repeat Retrotransposons in Miniature (TRIMs) in bivalves. Scientific Reports, 2019, 9, 19962.	1.6	6
10	Distribution of DTHS3 satellite DNA across 12 bivalve species. Journal of Genetics, 2018, 97, 575-580.	0.4	6
11	Distribution of DTHS3 satellite DNA across 12 bivalve species. Journal of Genetics, 2018, 97, 575-580.	0.4	5
12	Methylation profile of a satellite DNA constituting the intercalary G+C-rich heterochromatin of the cut trough shell Spisula subtruncata (Bivalvia, Mactridae). Scientific Reports, 2017, 7, 6930.	1.6	8
13	Two new miniature inverted-repeat transposable elements in the genome of the clam Donax trunculus. Genetica, 2017, 145, 379-385.	0.5	3
14	Adjacent sequences disclose potential for intra-genomic dispersal of satellite DNA repeats and suggest a complex network with transposable elements. BMC Genomics, 2016, 17, 997.	1.2	42
15	RUDI, a short interspersed element of the V-SINE superfamily widespread in molluscan genomes. Molecular Genetics and Genomics, 2016, 291, 1419-1429.	1.0	11
16	Genome-wide analysis of tandem repeats inTribolium castaneumgenome reveals abundant and highly dynamic tandem repeat families with satellite DNA features in euchromatic chromosomal arms. DNA Research, 2015, 22, 387-401.	1.5	52
17	The puzzling character of repetitive DNA in Phodopus genomes (Cricetidae, Rodentia). Chromosome Research, 2015, 23, 427-440.	1.0	17
18	Structural and functional liaisons between transposable elements and satellite DNAs. Chromosome Research, 2015, 23, 583-596.	1.0	101

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19	Evolutionary Story of a Satellite DNA from Phodopus sungorus (Rodentia, Cricetidae). Genome Biology and Evolution, 2014, 6, 2944-2955.	1.1	11
20	Centromere identity from the DNA point of view. Chromosoma, 2014, 123, 313-325.	1.0	157
21	Tandem Repeat-Containing MITEs in the Clam Donax trunculus. Genome Biology and Evolution, 2013, 5, 2549-2559.	1.1	41
22	Conserved DNA Motifs, Including the CENP-B Box-like, Are Possible Promoters of Satellite DNA Array Rearrangements in Nematodes. PLoS ONE, 2013, 8, e67328.	1.1	19
23	Parallelism in Evolution of Highly Repetitive DNAs in Sibling Species. Molecular Biology and Evolution, 2010, 27, 1857-1867.	3.5	29
24	Relevance of satellite DNA genomic distribution in phylogenetic analysis: A case study with root-knot nematodes of the genus Meloidogyne. Molecular Phylogenetics and Evolution, 2009, 50, 204-208.	1.2	9
25	Satellite DNAs between selfishness and functionality: Structure, genomics and evolution of tandem repeats in centromeric (hetero)chromatin. Gene, 2008, 409, 72-82.	1.0	287
26	Satellite DNA junctions identify the potential origin of new repetitive elements in the beetle Tribolium madens. Gene, 2007, 394, 45-52.	1.0	22
27	High conservation of the differentially amplified MPA2 satellite DNA family in parthenogenetic root-knot nematodes. Gene, 2006, 376, 260-267.	1.0	16
28	Interplay of Selective Pressure and Stochastic Events Directs Evolution of the MEL172 Satellite DNA Library in Root-Knot Nematodes. Molecular Biology and Evolution, 2006, 23, 2316-2325.	3.5	42
29	Preliminary phylogeny of Tribolium beetles (Coleoptera: Tenebrionidae) resolved by combined analysis of mitochondrial genes. European Journal of Entomology, 2006, 103, 709-715.	1.2	14
30	Long Inversely Oriented Subunits Form a Complex Monomer of Tribolium brevicornis Satellite DNA. Journal of Molecular Evolution, 2005, 60, 513-525.	0.8	24
31	Sequence divergence and conservation in organizationally distinct subfamilies of Donax trunculus satellite DNA. Gene, 2005, 362, 37-43.	1.0	20
32	Conserved and variable domains in satellite DNAs of mitotic parthenogenetic root-knot nematode species. Gene, 2005, 362, 44-50.	1.0	10
33	Conserved patterns in the evolution of Tribolium satellite DNAs. Gene, 2004, 332, 169-177.	1.0	33
34	Evolution of low-copy number and major satellite DNA sequences coexisting in two Pimelia species-groups (Coleoptera). Gene, 2003, 312, 85-94.	1.0	15
35	Sequence of PRAT Satellite DNA ``Frozen'' in Some Coleopteran Species. Journal of Molecular Evolution, 2002, 54, 774-783.	0.8	38
36	Sequence of PRAT Satellite DNA ``Frozen'' in Some Coleopteran Species. Journal of Molecular Evolution, 2002, 54, 774-783.	0.8	64

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37	Variation in satellite DNA profilesâ€"causes and effects. EMBO Journal, 2002, 21, 5955-5959.	3.5	257
38	A novel interspersed type of organization of satellite DNAs in Tribolium madens heterochromatin. Chromosome Research, 2000, 8, 201-212.	1.0	31
39	Comparative study of satellite sequences and phylogeny of five species from the genusPalorus(Insecta, Coleoptera). Genome, 2000, 43, 776-785.	0.9	17
40	Comparative study of satellite sequences and phylogeny of five species from the genus Palorus (Insecta, Coleoptera). Genome, 2000, 43, 776-785.	0.9	20
41	Similarity of Structural Features and Evolution of Satellite DNAs from Palorus subdepressus (Coleoptera) and Related Species. Journal of Molecular Evolution, 1998, 46, 234-239.	0.8	38
42	Characterization of Interrelated Sequence Motifs in Four Satellite DNAs and Their Distribution in the Genome of the Mollusc Donax trunculus. Journal of Molecular Evolution, 1997, 44, 189-198.	0.8	19
43	Evolution of Tribolium madens (Insecta, Coleoptera) Satellite DNA Through DNA Inversion and Insertion. Journal of Molecular Evolution, 1996, 42, 350-358.	0.8	2
44	Evolution ofTribolium madens (Insecta, Coleoptera) satellite DNA through DNA inversion and insertion. Journal of Molecular Evolution, 1996, 42, 350-358.	0.8	29
45	Satellite DNA and heterochromatin of the flour beetle Tribolium confusum. Genome, 1993, 36, 467-475.	0.9	42
46	Evidence for random distribution of sequence variants in Tenebrio molitor satellite DNA. Genetical Research, 1992, 60, 7-13.	0.3	43