

Francisco J Ruiz-Ruano

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,287
citations

394421

19
h-index

414414

32
g-index

59
all docs

59
docs citations

59
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput analysis of the satellitome illuminates satellite DNA evolution. <i>Scientific Reports</i> , 2016, 6, 28333.	3.3	176
2	Delimiting the Origin of a B Chromosome by FISH Mapping, Chromosome Painting and DNA Sequence Analysis in <i>Astyanax paranae</i> (Teleostei, Characiformes). <i>PLoS ONE</i> , 2014, 9, e94896.	2.5	85
3	Programmed DNA elimination of germline development genes in songbirds. <i>Nature Communications</i> , 2019, 10, 5468.	12.8	66
4	A step to the gigantic genome of the desert locust: chromosome sizes and repeated DNAs. <i>Chromosoma</i> , 2015, 124, 263-275.	2.2	53
5	Protein-coding genes in B chromosomes of the grasshopper <i>Eyprepocnemis plorans</i> . <i>Scientific Reports</i> , 2017, 7, 45200.	3.3	53
6	Genomics of Ecological Adaptation in Cactophilic <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 349-366.	2.5	51
7	Uncovering the Ancestry of B Chromosomes in <i>Moenkhausia sanctaefilomenae</i> (Teleostei, Characidae). <i>PLoS ONE</i> , 2016, 11, e0150573.	2.5	48
8	Next generation sequencing and FISH reveal uneven and nonrandom microsatellite distribution in two grasshopper genomes. <i>Chromosoma</i> , 2015, 124, 221-234.	2.2	40
9	High-throughput analysis unveils a highly shared satellite DNA library among three species of fish genus <i>Astyanax</i> . <i>Scientific Reports</i> , 2017, 7, 12726.	3.3	40
10	Satellitome landscape analysis of <i>Megaleporinus macrocephalus</i> (Teleostei, Anostomidae) reveals intense accumulation of satellite sequences on the heteromorphic sex chromosome. <i>Scientific Reports</i> , 2019, 9, 5856.	3.3	40
11	Satellite DNA content illuminates the ancestry of a supernumerary (B) chromosome. <i>Chromosoma</i> , 2017, 126, 487-500.	2.2	36
12	DNA Amount of X and B Chromosomes in the Grasshoppers <i>Eyprepocnemis plorans</i> and <i>Locusta migratoria</i> . <i>Cytogenetic and Genome Research</i> , 2011, 134, 120-126.	1.1	30
13	Eight Million Years of Satellite DNA Evolution in Grasshoppers of the Genus <i>Schistocerca</i> Illuminate the Ins and Outs of the Library Hypothesis. <i>Genome Biology and Evolution</i> , 2020, 12, 88-102.	2.5	30
14	High-throughput analysis of satellite DNA in the grasshopper <i>Pyrgomorpha conica</i> reveals abundance of homologous and heterologous higher-order repeats. <i>Chromosoma</i> , 2018, 127, 323-340.	2.2	29
15	Satellitome comparison of two oedipodine grasshoppers highlights the contingent nature of satellite DNA evolution. <i>BMC Biology</i> , 2022, 20, 36.	3.8	29
16	Origin of B chromosomes in the genus <i>Astyanax</i> (Characiformes, Characidae) and the limits of chromosome painting. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1407-1418.	2.1	28
17	A Glimpse into the Satellite DNA Library in Characidae Fish (Teleostei, Characiformes). <i>Frontiers in Genetics</i> , 2017, 8, 103.	2.3	27
18	Quantitative sequence characterization for repetitive DNA content in the supernumerary chromosome of the migratory locust. <i>Chromosoma</i> , 2018, 127, 45-57.	2.2	25

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19	High dynamism for neo-sex chromosomes: satellite DNAs reveal complex evolution in a grasshopper. <i>Heredity</i> , 2020, 125, 124-137.	2.6	25
20	Disparate molecular evolution of two types of repetitive DNAs in the genome of the grasshopper <i>Eyprepocnemis plorans</i> . <i>Heredity</i> , 2014, 112, 531-542.	2.6	22
21	U1 snDNA clusters in grasshoppers: chromosomal dynamics and genomic organization. <i>Heredity</i> , 2015, 114, 207-219.	2.6	22
22	Satellite DNA content of B chromosomes in the characid fish <i>Characidium gomesi</i> supports their origin from sex chromosomes. <i>Molecular Genetics and Genomics</i> , 2020, 295, 195-207.	2.1	22
23	DNA metabarcoding of Neotropical ichthyoplankton: Enabling high accuracy with lower cost. <i>Metabarcoding and Metagenomics</i> , 0, 3, .	0.0	21
24	Characterization of the satellitome in lower vascular plants: the case of the endangered fern <i>Vandenboschia speciosa</i> . <i>Annals of Botany</i> , 2019, 123, 587-599.	2.9	20
25	First complete female mitochondrial genome in four bivalve species genus <i>Donax</i> and their phylogenetic relationships within the Veneroidea order. <i>PLoS ONE</i> , 2017, 12, e0184464.	2.5	19
26	Satellitome Analysis in the Ladybird Beetle <i>Hippodamia variegata</i> (Coleoptera, Coccinellidae). <i>Genes</i> , 2020, 11, 783.	2.4	18
27	In-Depth Satellitome Analyses of 37 <i>Drosophila</i> Species Illuminate Repetitive DNA Evolution in the <i>Drosophila</i> Genus. <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	16
28	Gene expression changes elicited by a parasitic B chromosome in the grasshopper <i>Eyprepocnemis plorans</i> are consistent with its phenotypic effects. <i>Chromosoma</i> , 2019, 128, 53-67.	2.2	15
29	How dynamic could be the 45S rDNA cistron? An intriguing variability in a grasshopper species revealed by integration of chromosomal and genomic data. <i>Chromosoma</i> , 2019, 128, 165-175.	2.2	14
30	A mobile insulator system to detect and disrupt <i>cis</i> -regulatory landscapes in vertebrates. <i>Genome Research</i> , 2014, 24, 487-495.	5.5	12
31	A long-term conserved satellite DNA that remains unexpanded in several genomes of Characiformes fish is actively transcribed. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	12
32	Mind the <i>numt</i> : Finding informative mitochondrial markers in a giant grasshopper genome. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 635-645.	1.4	12
33	Phylogenetic signal of genomic repeat abundances can be distorted by random homoplasmy: a case study from hominid primates. <i>Zoological Journal of the Linnean Society</i> , 2019, 185, 543-554.	2.3	11
34	Mendelian nightmares: the germline-restricted chromosome of songbirds. <i>Chromosome Research</i> , 2022, 30, 255-272.	2.2	11
35	Out of patterns, the euchromatic B chromosome of the grasshopper <i>Abracris flavolineata</i> is not enriched in high-copy repeats. <i>Heredity</i> , 2021, 127, 475-483.	2.6	10
36	Occasional paternal inheritance of the germline-restricted chromosome in songbirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	10

#	ARTICLE	IF	CITATIONS
37	Transient Microgeographic Clines during B Chromosome Invasion. <i>American Naturalist</i> , 2015, 186, 675-681.	2.1	9
38	Post-meiotic B chromosome expulsion, during spermiogenesis, in two grasshopper species. <i>Chromosoma</i> , 2017, 126, 633-644.	2.2	9
39	Transcription of a B chromosome CAP-G pseudogene does not influence normal Condensin Complex genes in a grasshopper. <i>Scientific Reports</i> , 2017, 7, 17650.	3.3	9
40	Full plastome sequence of the fern <i>Vandenboschia speciosa</i> (Hymenophyllales): structural singularities and evolutionary insights. <i>Journal of Plant Research</i> , 2019, 132, 3-17.	2.4	8
41	Long-term persistence of supernumerary B chromosomes in multiple species of <i>Astyanax</i> fish. <i>BMC Biology</i> , 2021, 19, 52.	3.8	8
42	The Ku70 DNA-repair protein is involved in centromere function in a grasshopper species. <i>Chromosome Research</i> , 2013, 21, 393-406.	2.2	7
43	The complete mitochondrial genome sequence of <i>Astyanax paranae</i> (Teleostei: characiformes). <i>Mitochondrial DNA Part B: Resources</i> , 2016, 1, 586-587.	0.4	6
44	DNA barcoding of Iberian Peninsula and North Africa Tawny Owls <i>Strix aluco</i> suggests the Strait of Gibraltar as an important barrier for phylogeography. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 4475-4478.	0.7	6
45	The complete mitochondrial genome of <i>Talpa aquitania</i> (Talpidae; Insectivora), a mole species endemic to northern Spain and southern France. <i>Molecular Biology Reports</i> , 2020, 47, 2397-2403.	2.3	6
46	Complete mitochondrial genome of the Western Capercaillie Tetrao urogallus (Phasianidae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T</i>	0.5	4
47	Differential Expression of Genes Related to Sexual Determination Can Modify the Reproductive Cycle of <i>Astyanax scabripinnis</i> (Characiformes: Characidae) in B Chromosome Carrier Individuals. <i>Genes</i> , 2019, 10, 909.	2.4	3
48	Transposable element landscapes illuminate past evolutionary events in the endangered fern <i>Vandenboschia speciosa</i> . <i>Genome</i> , 2022, 65, 95-103.	2.0	3
49	Non-random expression of ribosomal DNA units in a grasshopper showing high intragenomic variation for the ITS2 region. <i>Insect Molecular Biology</i> , 2015, 24, 319-330.	2.0	2
50	Satellite DNA Is an Inseparable Fellow Traveler of B Chromosomes. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 60, 85-102.	1.6	2
51	Development and characterization of 15 novel polymorphic microsatellite loci for two important bot flies (Diptera, Oestridae) by next-generation sequencing. <i>Parasitology Research</i> , 2020, 119, 2829-2835.	1.6	1
52	Intragenomic distribution of RTE retroelements suggests intrachromosomal movement. <i>Chromosome Research</i> , 2015, 23, 211-223.	2.2	0