

# Carlos Juan

## List of Publications by Year in descending order

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72  
papers

2,499  
citations

172457

29  
h-index

206112

48  
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72  
all docs

72  
docs citations

72  
times ranked

2036  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colonization and diversification: towards a phylogeographic synthesis for the Canary Islands. <i>Trends in Ecology and Evolution</i> , 2000, 15, 104-109.	8.7	363
2	Evolution in caves: Darwin's wrecks of ancient life in the molecular era. <i>Molecular Ecology</i> , 2010, 19, 3865-3880.	3.9	174
3	Mitochondrial DNA phylogeny and sequential colonization of Canary Islands by darkling beetles of the genus <i>Pimelia</i> (Tenebrionidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995, 261, 173-180.	2.6	151
4	Phylogeny of the genus <i>Hegeter</i> (Tenebrionidae, Coleoptera) and its colonization of the Canary Islands deduced from Cytochrome Oxidase I mitochondrial DNA sequences. <i>Heredity</i> , 1996, 76, 392-403.	2.6	102
5	The Evolutionary History of the Genus <i>Timarcha</i> (Coleoptera, Chrysomelidae) Inferred from Mitochondrial COII Gene and Partial 16S rDNA Sequences. <i>Molecular Phylogenetics and Evolution</i> , 2000, 14, 304-317.	2.7	73
6	Mitogenomic Phylogenetic Analysis Supports Continental-Scale Vicariance in Subterranean Thalassoid Crustaceans. <i>Current Biology</i> , 2012, 22, 2069-2074.	3.9	70
7	C-banding and DNA content in seven species of Tenebrionidae (Coleoptera). <i>Genome</i> , 1989, 32, 834-839.	2.0	61
8	Nested cladistic analysis, phylogeography and speciation in the <i>Timarcha goettingensis</i> complex (Coleoptera, Chrysomelidae). <i>Molecular Ecology</i> , 2000, 9, 557-570.	3.9	58
9	Genome size in <i>Tribolium</i> flour-beetles: inter- and intraspecific variation. <i>Genetical Research</i> , 1991, 58, 1-5.	0.9	55
10	Complex structural features of satellite DNA sequences in the genus <i>Pimelia</i> (Coleoptera: Tenebrionidae). <i>Chromosome Research</i> , 2004, 92, 418-427.	2.6	55
11	Presence of highly repetitive DNA sequences in <i>Tribolium</i> flour-beetles. <i>Heredity</i> , 1993, 70, 1-8.	2.6	53
12	Mitochondrial DNA sequence variation and phylogeography of <i>Pimelia</i> darkling beetles on the Island of Tenerife (Canary Islands). <i>Heredity</i> , 1996, 77, 589-598.	2.6	53
13	Evolutionary Dynamics of Satellite DNA Family PIM357 in Species of the Genus <i>Pimelia</i> (Tenebrionidae). <i>Chromosome Research</i> , 2004, 92, 784-791.	2.6	51
14	Under the volcano: phylogeography and evolution of the cave-dwelling <i>Palmorchestia hypogaea</i> (Amphipoda, Crustacea) at La Palma (Canary Islands). <i>BMC Biology</i> , 2008, 6, 7.	3.8	51
15	Localization of tandemly repeated DNA sequences in beetle chromosomes by fluorescent in situ hybridization. <i>Chromosome Research</i> , 1993, 1, 167-174.	2.2	49
16	Cytological and biochemical characterization of the in situ endonuclease digestion of fixed <i>Tenebrio molitor</i> chromosomes. <i>Chromosoma</i> , 1991, 100, 432-438.	2.2	48
17	Genetic structure, phylogeography and demography of two ground-beetle species endemic to the Tenerife laurel forest (Canary Islands). <i>Molecular Ecology</i> , 2004, 13, 3153-3167.	3.9	46
18	The phylogeography of the darkling beetle, <i>Hegeter politus</i> , in the eastern Canary Islands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 135-140.	2.6	44

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19	Next-generation sequencing, phylogenetic signal and comparative mitogenomic analyses in Metacrangonyctidae (Amphipoda: Crustacea). BMC Genomics, 2014, 15, 566.	2.8	44
20	Satellite DNA and heterochromatin of the flour beetle <i>Tribolium confusum</i> . Genome, 1993, 36, 467-475.	2.0	42
21	Localization and activity of rDNA genes in tiger beetles (Coleoptera: Cicindelinae). Heredity, 1995, 74, 524-530.	2.6	42
22	Evolution and diversification of the forest and hypogean ground-beetle genus <i>Trechus</i> in the Canary Islands. Molecular Phylogenetics and Evolution, 2007, 42, 687-699.	2.7	39
23	Genome Size and Chromosomal Evolution in Leaf Beetles (Coleoptera, Chrysomelidae). Hereditas, 2004, 119, 1-6.	1.4	37
24	Sequence, secondary structure and phylogenetic analyses of the ribosomal internal transcribed spacer 2 (ITS2) in the <i>Timarcha</i> leaf beetles (Coleoptera: Chrysomelidae). Insect Molecular Biology, 2000, 9, 591-604.	2.0	36
25	Phylogeography of the endangered darkling beetle species of <i>Pimelia</i> endemic to Gran Canaria (Canary) <i>Tj ETQq1 1,0,784314,rgBT /O</i>	3.9	36
26	Historical biogeography and phylogeny of <i>Typhlatya</i> cave shrimps (Decapoda: Atyidae) based on mitochondrial and nuclear data. Journal of Biogeography, 2013, 40, 594-607.	3.0	34
27	The complete mitochondrial genome of the subterranean crustacean <i>Metacrangonyx longipes</i> (Amphipoda): A unique gene order and extremely short control region. Mitochondrial DNA, 2009, 20, 88-99.	0.6	33
28	Phylogenetic evidence that both ancient vicariance and dispersal have contributed to the biogeographic patterns of anchialine cave shrimps. Scientific Reports, 2017, 7, 2852.	3.3	32
29	Evolution of genome size in darkling beetles (Tenebrionidae, Coleoptera). Genome, 1991, 34, 169-173.	2.0	31
30	Conservation of satellite DNA in species of the genus <i>Pimelia</i> (Tenebrionidae, Coleoptera). Gene, 1997, 205, 183-190.	2.2	31
31	Islands beneath islands: phylogeography of a groundwater amphipod crustacean in the Balearic archipelago. BMC Evolutionary Biology, 2011, 11, 221.	3.2	30
32	Evolution underground: shedding light on the diversification of subterranean insects. Journal of Biology, 2010, 9, 17.	2.7	29
33	Mitochondrial DNA Phylogeny and the Evolution of Host-Plant Use in Palearctic <i>Chrysolina</i> (Coleoptera, Chrysomelidae) Leaf Beetles. Journal of Molecular Evolution, 1999, 48, 435-444.	1.8	28
34	Delimiting species boundaries for endangered Canary Island grasshoppers based on DNA sequence data. Conservation Genetics, 2007, 8, 587-598.	1.5	27
35	Species delimitation and mitogenome phylogenetics in the subterranean genus <i>Pseudoniphargus</i> (Crustacea: Amphipoda). Molecular Phylogenetics and Evolution, 2018, 127, 988-999.	2.7	25
36	Higher-order organization and compartmentalization of satellite DNA PIM357 in species of the coleopteran genus <i>Pimelia</i> . Chromosome Research, 2002, 10, 597-606.	2.2	23

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37	Phylogenetic relationships in West Mediterranean Scaritina (Coleoptera: Carabidae) inferred from mitochondrial COI sequences and karyotype analysis. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 1999, 37, 85-92.	1.4	22
38	<i>Tenebrio obscurus</i> satellite DNA is resistant to cleavage by restriction endonucleases in situ. <i>Chromosome Research</i> , 1994, 2, 217-223.	2.2	20
39	Molecular phylogeny of darkling beetles from the Canary Islands: comparison of inter island colonization patterns in two genera. <i>Biochemical Systematics and Ecology</i> , 1997, 25, 121-130.	1.3	20
40	Characterization of the Heterochromatin of the Darkling Beetle <i>Misolampus Goudoti</i> : Cloning of Two Satellite DNA Families and Digestion of Chromosomes with Restriction Enzymes. <i>Hereditas</i> , 2004, 119, 179-185.	1.4	20
41	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.	2.0	20
42	Improving beetle karyotype analysis: restriction endonuclease banding of <i>Tenebrio molitor</i> chromosomes. <i>Heredity</i> , 1990, 65, 157-162.	2.6	19
43	Mitochondrial genome rearrangements at low taxonomic levels: three distinct mitogenome gene orders in the genus <i>Pseudoniphargus</i> (Crustacea: Amphipoda). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 3579-3589.	0.7	18
44	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.	2.0	17
45	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.	2.2	15
46	Evolutionary dynamics of a B chromosome invasion in island populations of the grasshopper <i>Eyprepocnemis plorans</i> . <i>Journal of Evolutionary Biology</i> , 2004, 17, 716-719.	1.7	15
47	Do cave orb spiders show unique behavioural adaptations to subterranean life? A review of the evidence. <i>Behaviour</i> , 2019, 156, 969-996.	0.8	15
48	DNA barcodes, cryptic diversity and phylogeography of a W Mediterranean assemblage of thermosbaenacean crustaceans. <i>Zoologica Scripta</i> , 2016, 45, 659-670.	1.7	12
49	Molecular systematics of <i>Haploginglymus</i> , a genus of subterranean amphipods endemic to the Iberian Peninsula (Amphipoda: Niphargidae). <i>Contributions To Zoology</i> , 2017, 86, 239-260.	0.5	12
50	Karyological differences among Tenebrionidae (Coleoptera). <i>Genetica</i> , 1990, 80, 101-108.	1.1	10
51	Morphological and molecular species boundaries in the <i>Hyalella</i> species flock of Lake Titicaca (Crustacea: Amphipoda). <i>Contributions To Zoology</i> , 2020, 89, 353-372.	0.5	10
52	Using statistical phylogeography to infer population history: Case studies on <i>Pimelia</i> darkling beetles from the Canary Islands. <i>Journal of Arid Environments</i> , 2006, 66, 477-497.	2.4	9
53	The age and diversification of metacrangonyctid subterranean amphipod crustaceans revisited. <i>Molecular Phylogenetics and Evolution</i> , 2019, 140, 106599.	2.7	8
54	Genome size, chromosomes, and egg-chorion ultrastructure in the evolution of Chrysomelinae. , 1994, , 213-225.		7

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55	Genetic, morphological, and dietary changes associated with novel habitat colonisation in the Canary Island endemic grasshopper <i>Acrostira bellamyi</i> . Ecological Entomology, 2014, 39, 703-715.	2.2	7
56	Host plant associations and geographical factors in the diversification of the Macaronesian <i>Rhopalomesites</i> beetles (Coleoptera: Curculionidae). Journal of Biogeography, 2016, 43, 1608-1619.	3.0	7
57	The mitogenome of the amphipod <i>Hyalella lucifugax</i> (Crustacea) and its phylogenetic placement. Mitochondrial DNA Part B: Resources, 2016, 1, 755-756.	0.4	7
58	Phylogenomics of the <i>Hyalella</i> amphipod species-flock of the Andean Altiplano. Scientific Reports, 2021, 11, 366.	3.3	7
59	Microsatellite loci development in endangered pamphagid grasshoppers endemic to the Canary Islands (Orthoptera). Conservation Genetics, 2006, 7, 767-771.	1.5	6
60	A taxonomic revision and species delimitation of the genus <i>Purpuraria</i> (Orthoptera: Pamphagidae) using an integrative approach. Journal of Zoological Systematics and Evolutionary Research, 2013, 51, 173-186.	1.4	6
61	Comparative Mitogenomics in <i>Hyalella</i> (Amphipoda: Crustacea). Genes, 2021, 12, 292.	2.4	6
62	Cytogenetic and Evolutionary Relationships in the Nearctic Genus <i>Ophraella</i> and Related Genera (Coleoptera: Chrysomelidae). Annals of the Entomological Society of America, 1990, 83, 689-693.	2.5	5
63	Phylogeography of a ground beetle species in La Gomera (Canary Islands): the effects of landscape topology and population history. Heredity, 2007, 99, 322-330.	2.6	5
64	New Chromosomal Findings on The Spanish Tenebrionidae (Coleoptera). Caryologia, 1989, 42, 259-266.	0.3	4
65	Isolation and characterization of microsatellite loci for the cavehopper <i>Palmorchestia hypogaea</i> (Amphipoda: Talitridae). Conservation Genetics Resources, 2009, 1, 401-404.	0.8	3
66	Reply to Phillips et al.. Current Biology, 2013, 23, R605-R606.	3.9	3
67	The <i>Hyalella</i> species flock of Lake Titicaca (Crustacea: Amphipoda): perspectives and drawbacks of dna-based identification. Contributions To Zoology, 2021, 90, 409-462.	0.5	3
68	The complete mitochondrial genome of the cave shrimp <i>Typhlatya miravetensis</i> (Decapoda, Atyidae) and its systematic position. Mitochondrial DNA Part B: Resources, 2016, 1, 847-848.	0.4	2
69	Direct incorporation of fluorescein-12-dUTP to insect fixed chromosomes by random primed extension. Genome, 1994, 37, 173-175.	2.0	1
70	Microsatellite loci in the Canary Islands endemic ground beetle <i>Trechus flavocinctus</i> and their applicability to cave-dwelling related species. Molecular Ecology Notes, 2006, 6, 54-56.	1.7	1
71	Isolation and characterization of microsatellite loci in the fruit tree weevil <i>Naupactus xanthographus</i> (Coleoptera: Curculionidae): cross-amplification in related species of the <i>Naupactus-Pantomorus</i> complex. Journal of Genetics, 2013, 92, 23-27.	0.7	1
72	Isolation and characterization of microsatellite loci in the fruit tree weevil <i>Naupactus xanthographus</i> (Coleoptera: Curculionidae): cross-amplification in related species of the <i>Naupactus-Pantomorus</i> complex. Journal of Genetics, 2010, 89, 136-140.	0.7	0