Guillermo Velo-AntÃ³n

List of Publications by Year
in descending order

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83 papers	1,822 citations	257101 24 h-index	329751 37 g-index
87 all docs	87 docs citations	87 times ranked	2225 citing authors

#	Article	IF	Citations
1	Unravelling biodiversity, evolution and threats to conservation in the Saharaâ€Sahel. Biological Reviews, 2014, 89, 215-231.	4.7	170
2	Tracking climate change in a dispersalâ€limited species: reduced spatial and genetic connectivity in a montane salamander. Molecular Ecology, 2013, 22, 3261-3278.	2.0	76
3	Trapped within the city: integrating demography, time since isolation and populationâ€specific traits to assess the genetic effects of urbanization. Molecular Ecology, 2017, 26, 1498-1514.	2.0	73
4	Spatial conservation prioritization of biodiversity spanning the evolutionary continuum. Nature Ecology and Evolution, 2017, 1, 151.	3.4	73
5	Mitochondrial phylogeography of European pond turtles (Emys orbicularis, Emys trinacris) â€“ an update. Amphibia - Reptilia, 2007, 28, 418-426.	0.1	63
6	Genetic drift and rapid evolution of viviparity in insular fire salamanders (Salamandra salamandra). Heredity, 2012, 108, 410-418.	1.2	55
7	Turtle Carapace Anomalies: The Roles of Genetic Diversity and Environment. PLoS ONE, 2011, 6, e18714.	1.1	48
8	Trapped by climate: interglacial refuge and recent population expansion in the endemic Iberian adder Vipera seoanei. Diversity and Distributions, 2015, 21, 331-344.	1.9	48
9	Conservation Biogeography of the Saharaâ€Sahel: additional protected areas are needed to secure unique biodiversity. Diversity and Distributions, 2016, 22, 371-384.	1.9	46
10	Evaluating taxonomic inflation: towards evidence-based species delimitation in Eurasian vipers (Serpentes: Viperinae). Amphibia - Reptilia, 2020, 41, 285-311.	0.1	45
11	Deep evolutionary lineages in a Western Mediterranean snake (Vipera latastei/monticola group) and high genetic structuring in Southern Iberian populations. Molecular Phylogenetics and Evolution, 2012, 65, 965-973.	1.2	39
12	Isolation in habitat refugia promotes rapid diversification in a montane tropical salamander. Journal of Biogeography, 2012, 39, 353-370.	1.4	37
13	Where are you from, stranger? The enigmatic biogeography of North African pond turtles (Emys) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	37
14	Integrative phylogeographical and ecological analysis reveals multiple Pleistocene refugia for Mediterranean Daboia vipers in north-west Africa. Biological Journal of the Linnean Society, 2017, 122, 366-384.	0.7	37
15	Climatic refugia boosted allopatric diversification in Western Mediterranean vipers. Journal of Biogeography, 2020, 47, 1698-1713.	1.4	37
16	The role of seed dispersal, pollination and historical effects on genetic patterns of an insular plant that has lost its only seed disperser. Journal of Biogeography, 2012, 39, 1996-2006.	1.4	35
17	Amphibian-killing fungus loses genetic diversity as it spreads across the New World. Biological Conservation, 2012, 146, 213-218.	1.9	33
18	Pleistocene diversification in Morocco and recent demographic expansion in the Mediterranean pond turtleMauremys leprosa. Biological Journal of the Linnean Society, 2016, 119, 943-959.	0.7	32

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19	Differentiation of North African foxes and population genetic dynamics in the desertâ€"insights into the evolutionary history of two sister taxa, Vulpes rueppellii and Vulpes vulpes. Organisms Diversity and Evolution, 2015, 15, 731-745.	0.7	30
20	Should I Stay or Should I Go? Dispersal and Population Structure in Small, Isolated Desert Populations of West African Crocodiles. PLoS ONE, 2014, 9, e94626.	1.1	29
21	The evolution of viviparity in holocene islands: ecological adaptation versus phylogenetic descent along the transition from aquatic to terrestrial environments. Journal of Zoological Systematics and Evolutionary Research, 2007, 45, 345-352.	0.6	28
22	Patterns of nuclear and mitochondrial DNA variation in Iberian populations of Emys orbicularis (Emydidae): conservation implications. Conservation Genetics, 2008, 9, 1263-1274.	0.8	28
23	Intraspecific variation in clutch size and maternal investment in pueriparous and larviparous Salamandra salamandra females. Evolutionary Ecology, 2015, 29, 185-204.	0.5	26
24	Colour polymorphism inSalamandra salamandra(Amphibia: Urodela), revealedÂby a lack of genetic and environmental differentiation between distinct phenotypes. Journal of Zoological Systematics and Evolutionary Research, 2016, 54, 127-136.	0.6	26
25	Challenges for assessing vertebrate diversity in turbid Saharan water-bodies using environmental DNA. Genome, 2018, 61, 807-814.	0.9	26
26	Phylogenetic study of Eleutherodactylus coqui (Anura: Leptodactylidae) reveals deep genetic fragmentation in Puerto Rico and pinpoints origins of Hawaiian populations. Molecular Phylogenetics and Evolution, 2007, 45, 716-728.	1.2	25
27	Allopatric diversification and evolutionary melting pot in a North African Palearctic relict: The biogeographic history of Salamandra algira. Molecular Phylogenetics and Evolution, 2019, 130, 81-91.	1.2	25
28	Native or not? Tracing the origin of wild-caught and captive freshwater turtles in a threatened and widely distributed species (Emys orbicularis). Conservation Genetics, 2011, 12, 583-588.	0.8	24
29	Living on the edge: Ecological and genetic connectivity of the spinyâ€footed lizard, Acanthodactylus aureus, confirms the Atlantic Sahara desert as a biogeographic corridor and centre of lineage diversification. Journal of Biogeography, 2018, 45, 1031-1042.	1.4	24
30	Genes on the edge: A framework to detect genetic diversity imperiled by climate change. Global Change Biology, 2019, 25, 4034-4047.	4.2	24
31	Comparative assessment of rangeâ€wide patterns of genetic diversity and structure with SNPs and microsatellites: A case study with Iberian amphibians. Ecology and Evolution, 2020, 10, 10353-10363.	0.8	23
32	Phylogenomic inference of species and subspecies diversity in the Palearctic salamander genus Salamandra. Molecular Phylogenetics and Evolution, 2021, 157, 107063.	1.2	22
33	Assessment of census (N) and effective population size (N e) reveals consistency of N e single-sample estimators and a high N e /N ratio in an urban and isolated population of fire salamanders. Conservation Genetics Resources, 2015, 7, 705-712.	0.4	21
34	<scp>phylin</scp>: an <scp>r</scp> package for phylogeographic interpolation. Molecular Ecology Resources, 2015, 15, 349-357.	2.2	20
35	Comparative landscape genetics reveals the evolution of viviparity reduces genetic connectivity in fire salamanders. Molecular Ecology, 2019, 28, 4573-4591.	2.0	20
36	Conservation planning for adaptive and neutral evolutionary processes. Journal of Applied Ecology, 2020, 57, 2159-2169.	1.9	20

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37	A Critically Endangered new dragonfly species from Morocco: Onychogomphus boudoti sp. nov. (Odonata: Gomphidae). Zootaxa, 2014, 3856, 349-65.	0.2	19
38	Physical and ecological isolation contribute to maintain genetic differentiation between fire salamander subspecies. Heredity, 2021, 126, 776-789.	1.2	19
39	Fine-scale genetic structure in a salamander with two reproductive modes: Does reproductive mode affect dispersal?. Evolutionary Ecology, 2018, 32, 699-732.	0.5	17
40	Complex hybridization patterns in European pond turtles (Emys orbicularis) in the Pyrenean Region. Scientific Reports, 2018, 8, 15925.	1.6	17
41	Assessing the role of aridity-induced vicariance and ecological divergence in species diversification in North-West Africa using Agama lizards. Biological Journal of the Linnean Society, 2018, 124, 363-380.	0.7	17
42	Allele surfing shaped the genetic structure of the European pond turtle via colonization and population expansion across the Iberian Peninsula from Africa. Journal of Biogeography, 2018, 45, 2202-2215.	1.4	17
43	Species detection from aquatic eDNA: Assessing the importance of capture methods. Environmental DNA, 2021, 3, 435-448.	3.1	17
44	Assignment tests applied to relocate individuals of unknown origin in a threatened species, the European pond turtle (Emys orbicularis). Amphibia - Reptilia, 2007, 28, 475-484.	0.1	16
45	Combining phylogeography and landscape genetics to infer the evolutionary history of a short-range Mediterranean relict, Salamandra salamandra longirostris. Conservation Genetics, 2018, 19, 1411-1424.	0.8	15
46	Out of Africa: did Emys orbicularis occidentalis cross the Strait of Gibraltar twice?. Amphibia - Reptilia, 2015, 36, 133-140.	0.1	14
47	Prevalence and genetic diversity of Batrachochytrium dendrobatidis in Central African island and continental amphibian communities. Ecology and Evolution, 2017, 7, 7729-7738.	0.8	14
48	Ethological and phenotypic divergence in insular fire salamanders: diurnal activity mediated by predation?. Acta Ethologica, 2017, 20, 243-253.	0.4	14
49	Riverine barriers to gene flow in a salamander with both aquatic and terrestrial reproduction. Evolutionary Ecology, 2021, 35, 483-511.	0.5	14
50	Evaluating surrogates of genetic diversity for conservation planning. Conservation Biology, 2021, 35, 634-642.	2.4	13
51	The influence of geological history on diversification in insular species: genetic and morphological patterns of Micromeria Benth. (Lamiaceae) in Tenerife (Canary archipelago). Journal of Biogeography, 2014, 41, 1871-1882.	1.4	12
52	Î²-fibrinogen intron 7 variation in Discoglossus (Anura: Discoglossidae): implications for the taxonomic assessment of morphologically cryptic species. Amphibia - Reptilia, 2008, 29, 523-533.	0.1	11
53	A non-invasive geometric morphometrics method for exploring variation in dorsal head shape in urodeles: sexual dimorphism and geographic variation inSalamandra salamandra. Journal of Morphology, 2017, 278, 475-485.	0.6	11
54	Role of colonization history and speciesâ€specific traits on contemporary genetic variation of two salamander species in a Holocene islandâ€mainland system. Journal of Biogeography, 2018, 45, 1054-1066.	1.4	11

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55	Phylin 2.0: Extending the phylogeographical interpolation method to include uncertainty and userâ€defined distance metrics. Molecular Ecology Resources, 2019, 19, 1081-1094.	2.2	10
56	Chasing the phantom: biogeography and conservation of Vipera latastei-monticola in the Maghreb (North Africa). Amphibia - Reptilia, 2018, 39, 145-161.	0.1	9
57	How little do we know about the reproductive mode in the north African salamander, Salamandra algira? Pueriparity in divergentÂmitochondrial lineages of S. a. tingitana. Amphibia - Reptilia, 2017, 38, 540-546.	0.1	8
58	Evolutionary History and Not Heterochronic Modifications Associated with Viviparity Drive Head Shape Differentiation in a Reproductive Polymorphic Species, Salamandra salamandra. Evolutionary Biology, 2020, 47, 43-55.	0.5	8
59	The role of Sahara highlands in the diversification and desert colonization of the Bosc's fringeâ€toed lizard. Journal of Biogeography, 2021, 48, 2891-2906.	1.4	8
60	Genetic Variation Across Tunisian Populations of the Anuran SpeciesDiscoglossus pictusandPelophylax saharicus. African Zoology, 2010, 45, 121-128.	0.2	7
61	Integrative taxonomy reveals two species and intraspecific differentiation in theVipera latasteiâ€“monticolacomplex. Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 2278-2306.	0.6	7
62	Microsatellite markers for Pseudoeurycea leprosa, a plethodontid salamander endemic to the Transmexican Neovolcanic Belt. Conservation Genetics Resources, 2009, 1, 5-7.	0.4	6
63	Genetic variation across Tunisian populations of the anuran species Discoglossus pictus and Pelophylax saharicus. African Zoology, 2010, 45, 121-128.	0.2	6
64	Landscape resistance constrains hybridization across contact zones in a reproductively and morphologically polymorphic salamander. Scientific Reports, 2021, 11, 9259.	1.6	6
65	Intraspecific genetic diversity and distribution of North African hedgehogs (Mammalia: Erinaceidae). Biological Journal of the Linnean Society, 2019, 127, 156-163.	0.7	5
66	The evolution of pueriparity maintains multiple paternity in a polymorphic viviparous salamander. Scientific Reports, 2020, 10, 14744.	1.6	5
67	Batrachochytrium salamandrivorans Threat to the Iberian Urodele Hotspot. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	5
68	Phylogeographic diversification of the Mesalina olivieri species complex (Squamata: Lacertidae) with the description of a new species and a new subspecies endemic from North West Africa. Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 2321-2349.	0.6	5
69	First report of hybridization between Mauremys leprosa and Mauremys sinensis highlights the risk of exotic Mauremys spp. pet trade. Basic and Applied Herpetology, 0, 34, 75-81.	0.0	5
70	Salamandra. Current Biology, 2016, 26, R696-R697.	1.8	4
71	Morphological diversification of Mediterranean anurans: the roles of evolutionary history and climate. Biological Journal of the Linnean Society, 2022, 135, 462-477.	0.7	4
72	Potential negative effects of the Green Wall on Sahel's biodiversity. Conservation Biology, 2021, 35, 1966-1968.	2.4	3

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73	Independent evolutionary transitions to pueriparity across multiple timescales in the viviparous genus Salamandra. Molecular Phylogenetics and Evolution, 2022, 167, 107347.	1.2	3
74	COI Metabarcoding Provides Insights into the Highly Diverse Diet of a Generalist Salamander, Salamandra salamandra (Caudata: Salamandridae). Diversity, 2022, 14, 89.	0.7	3
75	The complete mitochondrial genome of Salamandra salamandra (Amphibia: Urodela: Salamandridae). Mitochondrial DNA Part B: Resources, 2016, 1, 880-882.	0.2	2
76	Beyond the comfort zone: amphibian diversity and distribution in the West Sahara-Sahel using mtDNA and nuDNA barcoding and spatial modelling. Conservation Genetics, 2021, 22, 233-248.	0.8	2
77	Genetic assignment of captive European pond turtles (Emys orbicularis) increases conservation value of recovery centres. Journal for Nature Conservation, 2021, 59, 125953.	0.8	2
78	Range-wide genomic scans and tests for selection identify non-neutral spatial patterns of genetic variation in a non-model amphibian species (Pelobates cultripes). Conservation Genetics, 2022, 23, 387-400.	0.8	2
79	Blood parasite diversity (Apicomplexa: Haemogregarinidae) within the western populations of the European pond turtle Emys orbicularis. Systematic Parasitology, 2022, 99, 367-373.	0.5	2
80	Development and characterization of polymorphic microsatellite loci for spiny-footed lizards, Acanthodactylus scutellatus group (Reptilia, Lacertidae) from arid regions. BMC Research Notes, 2015, 8, 794.	0.6	1
81	Adapt biodiversity targets to climate change. Science, 2022, 376, 589-590.	6.0	1
82	Cross-amplification of microsatellite loci for the Mediterranean stripe-necked terrapin (Mauremys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
83	Development of 23 microsatellite loci for Boulengerâ€™s agama (Agama boulengeri) with partial cross-amplification inÂotherÂAgamaÂspecies. Amphibia - Reptilia, 2016, 37, 246-252.	0.1	0