

# Iñigo Martínez-Solano

## List of Publications by Year in descending order

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90  
papers

3,022  
citations

186265

28  
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48  
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93  
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93  
docs citations

93  
times ranked

2845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of a chytrid fungus infection involved in the decline of the common midwife toad ( <i>Alytes</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	4.1	376
2	Ever-Young Sex Chromosomes in European Tree Frogs. PLoS Biology, 2011, 9, e1001062.	5.6	172
3	A rapid rate of sex-chromosome turnover and non-random transitions in true frogs. Nature Communications, 2018, 9, 4088.	12.8	149
4	Mitochondrial DNA phylogeography of <i>Lissotriton boscai</i> (Caudata, Salamandridae): evidence for old, multiple refugia in an Iberian endemic. Molecular Ecology, 2006, 15, 3375-3388.	3.9	124
5	Species list of the European herpetofauna 2020 update by the Taxonomic Committee of the Societas Europaea Herpetologica. Amphibia - Reptilia, 2020, 41, 139-189.	0.5	107
6	Chytrid fungus infection related to unusual mortalities of <i>Salamandra salamandra</i> and <i>Bufo bufo</i> in the Peñalara Natural Park, Spain. Oryx, 2006, 40, 84-89.	1.0	104
7	Phylogenetic relationships and biogeography of midwife toads (Discoglossidae: <i>Alytes</i> ). Journal of Biogeography, 2004, 31, 603-618.	3.0	96
8	Determinants and Consequences of Dispersal in Vertebrates with Complex Life Cycles: A Review of Pond-Breeding Amphibians. Quarterly Review of Biology, 2020, 95, 1-36.	0.1	85
9	Multilocus species tree analyses resolve the radiation of the widespread <i>Bufo bufo</i> species group (Anura, Bufonidae). Molecular Phylogenetics and Evolution, 2012, 62, 71-86.	2.7	84
10	Extreme population subdivision throughout a continuous range: phylogeography of <i>Batrachoseps attenuatus</i> (Caudata: Plethodontidae) in western North America. Molecular Ecology, 2007, 16, 4335-4355.	3.9	67
11	Are glacial refugia hotspots of speciation and cytonuclear discordances? Answers from the genomic phylogeography of Spanish common frogs. Molecular Ecology, 2020, 29, 986-1000.	3.9	63
12	Phylogeography of <i>Pseudacris regilla</i> (Anura: Hylidae) in western North America, with a proposal for a new taxonomic rearrangement. Molecular Phylogenetics and Evolution, 2006, 39, 293-304.	2.7	53
13	High levels of population subdivision in a morphologically conserved Mediterranean toad ( <i>Alytes</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock nuclear genealogies. Molecular Ecology, 2009, 18, 5143-5160.	3.9	51
14	Integrating hybrid zone analyses in species delimitation: lessons from two anuran radiations of the Western Mediterranean. Heredity, 2020, 124, 423-438.	2.6	50
15	Phylogeography of Iberian <i>Discoglossus</i> (Anura: Discoglossidae). Journal of Zoological Systematics and Evolutionary Research, 2004, 42, 298-305.	1.4	45
16	Conflicting phylogenetic signal of nuclear vs mitochondrial DNA markers in midwife toads (Anura,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Evolution, 2007, 44, 494-500.	2.7	45
17	Evaluating taxonomic inflation: towards evidence-based species delimitation in Eurasian vipers (Serpentes: Viperinae). Amphibia - Reptilia, 2020, 41, 285-311.	0.5	45
18	Mass of genes rather than master genes underlie the genomic architecture of amphibian speciation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	45

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19	Hybrid zone formation and contrasting outcomes of secondary contact over transects in common toads. <i>Molecular Ecology</i> , 2017, 26, 5663-5675.	3.9	41
20	Demographic Trends and Community Stability in a Montane Amphibian Assemblage. <i>Conservation Biology</i> , 2003, 17, 238-244.	4.7	40
21	Hybridization during altitudinal range shifts: nuclear introgression leads to extensive cyto-nuclear discordance in the fire salamander. <i>Molecular Ecology</i> , 2016, 25, 1551-1565.	3.9	38
22	Integrative inference of population history in the Ibero-Maghrebian endemic <i>Pleurodeles waltl</i> (Salamandridae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 112, 122-137.	2.7	38
23	Effects of Introduced Salmonids on a Montane Population of Iberian Frogs. <i>Conservation Biology</i> , 2006, 20, 180-189.	4.7	36
24	How complex is the <i>Bufo bufo</i> species group?. <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 1203-1208.	2.7	36
25	Mountains as barriers to gene flow in amphibians: Quantifying the differential effect of a major mountain ridge on the genetic structure of four sympatric species with different life history traits. <i>Journal of Biogeography</i> , 2018, 45, 318-331.	3.0	36
26	Evolutionary history of <i>Ichthyosaura alpestris</i> (Caudata, Salamandridae) inferred from the combined analysis of nuclear and mitochondrial markers. <i>Molecular Phylogenetics and Evolution</i> , 2014, 81, 207-220.	2.7	34
27	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
28	Effects of Sample Size and Full Sibs on Genetic Diversity Characterization: A Case Study of Three Syntopic Iberian Pond-Breeding Amphibians. <i>Journal of Heredity</i> , 2017, 108, 535-543.	2.4	33
29	Evolution of <i>Bombina bombina</i> and <i>Bombina variegata</i> (Anura: Discoglossidae) in the Carpathian Basin: A history of repeated mt-DNA introgression across species. <i>Molecular Phylogenetics and Evolution</i> , 2006, 38, 705-718.	2.7	32
30	Present and past climatic effects on the current distribution and genetic diversity of the Iberian spadefoot toad ( <i>Pelobates cultripes</i> ): an integrative approach. <i>Journal of Biogeography</i> , 2017, 44, 245-258.	3.0	29
31	Patterns of gene flow and source-sink dynamics in high altitude populations of the common toad <i>Bufo bufo</i> (Anura: Bufonidae). <i>Biological Journal of the Linnean Society</i> , 0, 95, 824-839.	1.6	28
32	Multilocus phylogeography of the common midwife toad, <i>Alytes obstetricans</i> (Anura, Alytidae): Contrasting patterns of lineage diversification and genetic structure in the Iberian refugium. <i>Molecular Phylogenetics and Evolution</i> , 2015, 93, 363-379.	2.7	27
33	Phylogenetic study of <i>Eleutherodactylus coqui</i> (Anura: Leptodactylidae) reveals deep genetic fragmentation in Puerto Rico and pinpoints origins of Hawaiian populations. <i>Molecular Phylogenetics and Evolution</i> , 2007, 45, 716-728.	2.7	25
34	The roles of allopatric fragmentation and niche divergence in intraspecific lineage diversification in the common midwife toad ( <i>Alytes obstetricans</i> ). <i>Journal of Biogeography</i> , 2018, 45, 2146-2158.	3.0	24
35	Morphological and genetic differentiation of <i>Bufo</i> toads: two cryptic species in Western Europe (Anura, Bufonidae). <i>Contributions To Zoology</i> , 2013, 82, 147-169.	0.5	23
36	Multilocus assessment of phylogenetic relationships in <i>Alytes</i> (Anura, Alytidae). <i>Molecular Phylogenetics and Evolution</i> , 2014, 79, 270-278.	2.7	23

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37	Comparative assessment of range-wide patterns of genetic diversity and structure with SNPs and microsatellites: A case study with Iberian amphibians. <i>Ecology and Evolution</i> , 2020, 10, 10353-10363.	1.9	23
38	Factors Influencing Occupancy of Breeding Ponds in a Montane Amphibian Assemblage. <i>Journal of Herpetology</i> , 2003, 37, 410-413.	0.5	22
39	Molecular evidence for cryptic candidate species in Iberian Pelodytes (Anura, Pelodytidae). <i>Molecular Phylogenetics and Evolution</i> , 2015, 83, 224-241.	2.7	22
40	Integration of molecular, bioacoustical and morphological data reveals two new cryptic species of Pelodytes (Anura, Pelodytidae) from the Iberian Peninsula. <i>Zootaxa</i> , 2017, 4243, 1-41.	0.5	22
41	Phylogenomic inference of species and subspecies diversity in the Palearctic salamander genus Salamandra. <i>Molecular Phylogenetics and Evolution</i> , 2021, 157, 107063.	2.7	22
42	Distinguishing the distributions of two cryptic frogs (Anura: Discoglossidae) using molecular data and environmental modeling. <i>Canadian Journal of Zoology</i> , 2005, 83, 536-545.	1.0	21
43	Favourable areas for co-occurrence of parapatric species: niche conservatism and niche divergence in Iberian tree frogs and midwife toads. <i>Journal of Biogeography</i> , 2017, 44, 88-98.	3.0	21
44	Escape to Alcatraz: evolutionary history of slender salamanders (Batrachoseps) on the islands of San Francisco Bay. <i>BMC Evolutionary Biology</i> , 2009, 9, 38.	3.2	20
45	Concordant morphological and molecular clines in a contact zone of the Common and Spined toad ( <i>Bufo bufo</i> and <i>B. spinosus</i> ) in the northwest of France. <i>Frontiers in Zoology</i> , 2016, 13, 52.	2.0	20
46	Conservation planning for adaptive and neutral evolutionary processes. <i>Journal of Applied Ecology</i> , 2020, 57, 2159-2169.	4.0	20
47	Molecular systematics of Batrachoseps (Caudata, Plethodontidae) in southern California and Baja California: Mitochondrial-nuclear DNA discordance and the evolutionary history of <i>B. major</i> . <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 131-149.	2.7	19
48	Inferring the roles of vicariance, climate and topography in population differentiation in <i>Salamandra atra</i> (Caudata, Salamandridae). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2016, 54, 116-126.	1.4	19
49	Comparative landscape genetics of pond-breeding amphibians in Mediterranean temporal wetlands: The positive role of structural heterogeneity in promoting gene flow. <i>Molecular Ecology</i> , 2017, 26, 5407-5420.	3.9	19
50	Physical and ecological isolation contribute to maintain genetic differentiation between fire salamander subspecies. <i>Heredity</i> , 2021, 126, 776-789.	2.6	19
51	Spatial scales for the management of amphibian populations. <i>Biodiversity and Conservation</i> , 2004, 13, 409-420.	2.6	18
52	Morphological and molecular diversification of slender salamanders (Caudata: Plethodontidae: <i>Triturus cristatus</i> ). <i>Zootaxa</i> , 2012, 3190, 1.	0.5	18
53	Genealogy of the nuclear $\beta$ -fibrinogen intron 7 in <i>Lissotriton boscai</i> (Caudata, Salamandridae): concordance with mtDNA and implications for phylogeography and speciation. <i>Contributions To Zoology</i> , 2015, 84, 193-215.	0.5	18
54	The Effects of Inference Method, Population Sampling, and Gene Sampling on Species Tree Inferences: An Empirical Study in Slender Salamanders (Plethodontidae: Batrachoseps). <i>Systematic Biology</i> , 2015, 64, 66-83.	5.6	18

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55	A common toad hybrid zone that runs from the Atlantic to the Mediterranean. <i>Amphibia - Reptilia</i> , 2018, 39, 41-50.	0.5	18
56	Complementing the Pleistocene biogeography of European amphibians: Testimony from a southern Atlantic species. <i>Journal of Biogeography</i> , 2019, 46, 568-583.	3.0	17
57	Discordant patterns of introgression across a narrow hybrid zone between two cryptic lineages of an Iberian endemic newt. <i>Journal of Evolutionary Biology</i> , 2020, 33, 202-216.	1.7	17
58	The impact of historical and recent factors on genetic variability in a mountain frog: the case of <i>Rana iberica</i> (Anura: Ranidae). <i>Animal Conservation</i> , 2005, 8, 431-441.	2.9	15
59	Combining phylogeography and landscape genetics to infer the evolutionary history of a short-range Mediterranean relict, <i>Salamandra salamandra longirostris</i> . <i>Conservation Genetics</i> , 2018, 19, 1411-1424.	1.5	15
60	A review of the palaeoclimatic inference potential of Iberian Quaternary fossil batrachians. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2016, 96, 125-148.	1.5	14
61	Reliable effective number of breeders/adult census size ratios in seasonal breeding species: Opportunity for integrative demographic inferences based on capture-mark-recapture data and multilocus genotypes. <i>Ecology and Evolution</i> , 2017, 7, 10301-10314.	1.9	14
62	Intraspecific genetic variation in the common midwife toad ( <i>Alytes obstetricans</i> ): subspecies assignment using mitochondrial and microsatellite markers. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2014, 52, 170-175.	1.4	13
63	Telomere attrition with age in a wild amphibian population. <i>Biology Letters</i> , 2020, 16, 20200168.	2.3	13
64	Evaluating surrogates of genetic diversity for conservation planning. <i>Conservation Biology</i> , 2021, 35, 634-642.	4.7	13
65	Reconstructing hotspots of genetic diversity from glacial refugia and subsequent dispersal in Italian common toads ( <i>Bufo bufo</i> ). <i>Scientific Reports</i> , 2021, 11, 260.	3.3	12
66	Î2-fibrinogen intron 7 variation in <i>Discoglossus</i> (Anura: Discoglossidae): implications for the taxonomic assessment of morphologically cryptic species. <i>Amphibia - Reptilia</i> , 2008, 29, 523-533.	0.5	11
67	Effective to census population size ratios in two Near Threatened Mediterranean amphibians: <i>Pleurodeles waltl</i> and <i>Pelobates cultripes</i> . <i>Conservation Genetics</i> , 2017, 18, 1201-1211.	1.5	11
68	Morphological and molecular data to describe a hybrid population of the Common toad ( <i>Bufo bufo</i> ) and the Spined toad ( <i>Bufo spinosus</i> ) in western France. <i>Contributions To Zoology</i> , 2017, 86, 1-9.	0.5	11
69	Genetic assessment of the threatened microendemic <i>Pleurodeles poireti</i> (Caudata, Salamandridae), with molecular evidence for hybridization with <i>Pleurodeles nebulosus</i> . <i>Conservation Genetics</i> , 2016, 17, 1445-1458.	1.5	10
70	Molecular data reveal the hybrid nature of an introduced population of banded newts ( <i>Ommatotriton</i> ) in Spain. <i>Conservation Genetics</i> , 2018, 19, 249-254.	1.5	10
71	Hybrid zone genomics supports candidate species in Iberian <i>Alytes obstetricans</i> . <i>Amphibia - Reptilia</i> , 2020, 41, 105-112.	0.5	10
72	Genetic differentiation in the Trinidad endemic <i>Mannophryne trinitatis</i> (Anura: Aromobatidae): Miocene vicariance, in situ diversification and lack of geographical structuring across the island. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2011, 49, 133-140.	1.4	8

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73	Atlas de distribución y estado de conservación de los Anfibios de la Comunidad de Madrid. Graellsia, 2006, 62, 253-291.	0.2	8
74	Isolation and characterization of sixteen polymorphic microsatellite loci in the Western Spadefoot, <i>Pelobates cultripes</i> (Anura: Pelobatidae) via 454 pyrosequencing. Conservation Genetics Resources, 2013, 5, 981-984.	0.8	7
75	Environmental correlates of the European common toad hybrid zone. Contributions To Zoology, 2020, 89, 270-281.	0.5	7
76	Contrasting demographic trends and asymmetric migration rates in a spatially structured amphibian population. Integrative Zoology, 2020, 15, 482-497.	2.6	7
77	Sex-related differences in aging rate are associated with sex chromosome system in amphibians. Evolution; International Journal of Organic Evolution, 2022, 76, 346-356.	2.3	7
78	Amphibian Metacommunity Responses to Agricultural Intensification in a Mediterranean Landscape. Land, 2021, 10, 924.	2.9	6
79	Development and characterization of twelve new polymorphic microsatellite loci in the Iberian ribbed newt, <i>Pleurodeles waltl</i> (Caudata: Salamandridae), with data on cross-amplification in <i>P. nebulosus</i> . Amphibia - Reptilia, 2014, 35, 129-134.	0.5	5
80	Sex-dependent implications of primary productivity and conspecific density on geographical body size variation in a newt: disentangling local, large scale and genetic factors. Journal of Biogeography, 2017, 44, 2096-2108.	3.0	5
81	Integrative demographic study of the Iberian painted frog ( <i>Discoglossus galganoi</i> ): interannual variation in the effective to census population size ratio, with insights on mating system and breeding success. Integrative Zoology, 2020, 15, 498-510.	2.6	5
82	La Colección de Anfibios de Madrid del Museo Nacional de Ciencias Naturales y su utilidad en conservación. Graellsia, 2003, 59, 105-128.	0.2	5
83	Vertebral Intercentra in Lacertidae: Variation and Phylogenetic Implications. Copeia, 2002, 2002, 208-212.	1.3	4
84	Morphological diversification of Mediterranean anurans: the roles of evolutionary history and climate. Biological Journal of the Linnean Society, 2022, 135, 462-477.	1.6	4
85	Reconciling direct and indirect estimates of functional connectivity in a Mediterranean pond-breeding amphibian. Conservation Genetics, 2021, 22, 455-463.	1.5	3
86	Mitochondrial DNA diversity of the alpine newt ( <i>Ichthyosaura alpestris</i> ) in the Carpathian Basin: evidence for multiple cryptic lineages associated with Pleistocene refugia. Acta Zoologica Academiae Scientiarum Hungaricae, 2021, 67, 177-197.	0.5	3
87	Genetic and Morphological Differentiation of Common Toads in the Alps and the Apennines. , 2020, , 1-13.		3
88	Population size, habitat use and movement patterns during the breeding season in a population of Perez's frog ( <i>Pelophylax perezii</i> ) in central Spain. Basic and Applied Herpetology, 0, , .	0.0	2
89	Range-wide genomic scans and tests for selection identify non-neutral spatial patterns of genetic variation in a non-model amphibian species ( <i>Pelobates cultripes</i> ). Conservation Genetics, 2022, 23, 387-400.	1.5	2
90	Strong genetic subdivision in <i>Leptobranchium hendricksoni</i> (Anura: Megophryidae) in Southeast Asia. Amphibia - Reptilia, 2018, 39, 99-111.	0.5	0