Jan W Arntzen

List of Publications by Year
in descending order

102 papers	5,928 citations	101543 36 h-index	82547 72 g-index
105 all docs	105 docs citations	105 times ranked	6713 citing authors

#	Article	IF	Citations
1	Hybridization and speciation. Journal of Evolutionary Biology, 2013, 26, 229-246.	1.7	1,735
2	The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20651-20656.	7.1	412
3	Phylogeography of two European newt species - discordance between mtDNA and morphology. Molecular Ecology, 2005, 14, 2475-2491.	3.9	173
4	Identifying future research needs in landscape genetics: where to from here?. Landscape Ecology, 2009, 24, 455-463.	4.2	167
5	Bringing genetic diversity to the forefront of conservation policy and management. Conservation Genetics Resources, 2013, 5, 593-598.	0.8	145
6	Genetic subdivision, glacial refugia and postglacial recolonization in the golden-striped salamander, Chioglossa lusitanica (Amphibia: Urodela). Molecular Ecology, 2000, 9, 771-781.	3.9	102
7	Phylogenetic relationships and biogeography of midwife toads (Discoglossidae: <i>Alytes</i>). Journal of Biogeography, 2004, 31, 603-618.	3.0	96
8	Amphibian distribution in a traditionally managed rural landscape of Eastern Europe: Probing the effect of landscape composition. Biological Conservation, 2010, 143, 1118-1124.	4.1	94
9	Environmental correlates of toad abundance and population genetic diversity. Biological Conservation, 2001, 98, 201-210.	4.1	91
10	Tracing glacial refugia of Triturus newts based on mitochondrial DNA phylogeography and species distribution modeling. Frontiers in Zoology, 2013, 10, 13.	2.0	89
11	Post-breeding migrations of newts (Triturus cristatus and T. marmoratus) with contrasting ecological requirements. Journal of Zoology, 2000, 251, 297-306.	1.7	86
12	Multilocus species tree analyses resolve the radiation of the widespread Bufo bufo species group (Anura, Bufonidae). Molecular Phylogenetics and Evolution, 2012, 62, 71-86.	2.7	84
13	Amphibian decline, pond loss and reduced population connectivity under agricultural intensification over a 38Âyear period. Biodiversity and Conservation, 2017, 26, 1411-1430.	2.6	82
14	Effective number of breeding adults in Bufo bufo estimated from ageâ€specific variation at minisatellite loci. Molecular Ecology, 1997, 6, 701-712.	3.9	77
15	A genomic footprint of hybrid zone movement in crested newts. Evolution Letters, 2017, 1, 93-101.	3.3	77
16	ASYMMETRIC VIABILITY OF RECIPROCAL-CROSS HYBRIDS BETWEEN CRESTED AND MARBLED NEWTS (<i>TRITURUS CRISTATUS</i>AND<i>T. MARMORATUS</i>). Evolution; International Journal of Organic Evolution, 2009, 63, 1191-1202.	2.3	75
17	A phylogeny for the Old World newts, genusTriturus: biochemical and behavioural data. Journal of Zoology, 1989, 219, 645-664.	1.7	73
18	Contemporary gene flow and the spatio-temporal genetic structure of subdivided newt populations (Triturus cristatus, T. marmoratus). Journal of Evolutionary Biology, 2005, 18, 619-628.	1.7	72

#	Article	IF	Citations
19	Amphibian pond loss as a function of landscape change â€“ A case study over three decades in an agricultural area of northern France. Biological Conservation, 2011, 144, 1610-1618.	4.1	70
20	Unraveling the rapid radiation of crested newts (Triturus cristatus superspecies) using complete mitogenomic sequences. BMC Evolutionary Biology, 2011, 11, 162.	3.2	70
21	Amphibian Declines and Environmental Change: Use of Remote-Sensing Data to Identify Environmental Correlates. Conservation Biology, 2001, 15, 903-913.	4.7	69
22	Cryptic crested newt diversity at the Eurasian transition: The mitochondrial DNA phylogeography of Near Eastern Triturus newts. Molecular Phylogenetics and Evolution, 2010, 56, 888-896.	2.7	67
23	Geographic variation and taxonomy of crested newts (Triturus cristatus superspecies): morphological and mitochondrial DNA data. Contributions To Zoology, 1999, 68, 181-203.	0.5	64
24	Longâ€term survival of a urodele amphibian despite depleted major histocompatibility complex variation. Molecular Ecology, 2009, 18, 769-781.	3.9	58
25	The modality of nine<i>Triturus</i>newt hybrid zones assessed with nuclear, mitochondrial and morphological data. Biological Journal of the Linnean Society, 2014, 113, 604-622.	1.6	57
26	Genetic exchange across a hybrid zone within the Iberian endemic golden-striped salamander, Chioglossa lusitanica. Molecular Ecology, 2004, 14, 245-254.	3.9	52
27	Pre-Pleistocene Refugia and Differentiation between Populations of the Caucasian Salamander (Mertensiella caucasica). Molecular Phylogenetics and Evolution, 2000, 14, 414-422.	2.7	50
28	Phylogeography of a cryptic speciation continuum in Eurasian spadefoot toads (<i>Pelobates</i>). Molecular Ecology, 2019, 28, 3257-3270.	3.9	50
29	DOLLO'S LAW AND THE IRREVERSIBILITY OF DIGIT LOSS IN BACHIA. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	2.3	47
30	The annual number of breeding adults and the effective population size of syntopic newts (Triturus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	46
31	Parallel tagged amplicon sequencing of transcriptomeâ€based genetic markers for <i>Triturus</i> newts with the Ion Torrent nextâ€generation sequencing platform. Molecular Ecology Resources, 2014, 14, 1080-1089.	4.8	45
32	Environmental parameters that determine species geographical range limits as a matter of time and space. Journal of Biogeography, 2008, 35, 1177-1186.	3.0	44
33	Postglacial species displacement in Triturus newts deduced from asymmetrically introgressed mitochondrial DNA and ecological niche models. BMC Evolutionary Biology, 2012, 12, 161.	3.2	44
34	Biogeography of the golden-striped salamander Chioglossa lusitanica: a field survey and spatial modelling approach. Ecography, 2001, 24, 618-624.	4.5	44
35	Hybrid zone formation and contrasting outcomes of secondary contact over transects in common toads. Molecular Ecology, 2017, 26, 5663-5675.	3.9	41
36	A multimarker phylogeography of crested newts (Triturus cristatus superspecies) reveals cryptic species. Molecular Phylogenetics and Evolution, 2013, 67, 167-175.	2.7	40

#	Article	IF	Citations
37	Vertebral number is highly evolvable in salamanders and newts (family Salamandridae) and variably associated with climatic parameters. Contributions To Zoology, 2015, 84, 85-113.	0.5	40
38	Delineating fine-scale genetic units in amphibians:Probing the primacy of ponds. Conservation Genetics, 2005, 6, 227-234.	1.5	39
39	Multiple nuclear and mitochondrial genes resolve the branching order of a rapid radiation of crested newts (Triturus, Salamandridae). Molecular Phylogenetics and Evolution, 2009, 52, 321-328.	2.7	38
40	The Near East as a cradle of biodiversity: A phylogeography of banded newts (genus Ommatotriton) reveals extensive inter- and intraspecific genetic differentiation. Molecular Phylogenetics and Evolution, 2017, 114, 73-81.	2.7	37
41	How complex is the Bufo bufo species group?. Molecular Phylogenetics and Evolution, 2013, 69, 1203-1208.	2.7	36
42	The crested newt<i>Triturus cristatus</i>recolonized temperate Eurasia from an extra-Mediterranean glacial refugium. Biological Journal of the Linnean Society, 2015, 114, 574-587.	1.6	36
43	Sexual selection and male mate choice in the common toad,Bufo bufo. Ethology Ecology and Evolution, 1999, 11, 407-414.	1.4	35
44	Genetic pollution of a threatened native crested newt species through hybridization with an invasive congener in the Netherlands. Biological Conservation, 2015, 184, 145-153.	4.1	35
45	Evolutionary history of Ichthyosaura alpestris (Caudata, Salamandridae) inferred from the combined analysis of nuclear and mitochondrial markers. Molecular Phylogenetics and Evolution, 2014, 81, 207-220.	2.7	34
46	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. Science, 2022, 376, 1459-1466.	12.6	34
47	Conservation Genetic Resources for Effective Species Survival (ConGRESS): Bridging the divide between conservation research and practice. Journal for Nature Conservation, 2013, 21, 433-437.	1.8	32
48	A revised taxonomy of crested newts in the <i>Triturus karelinii</i> group (Amphibia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.5	32
49	Using connectivity metrics and niche modelling to explore the occurrence of the northern crested newt <i>Triturus cristatus</i> (Amphibia, Caudata) in a traditionally managed landscape. Environmental Conservation, 2010, 37, 195-200.	1.3	31
50	The distribution of the crested and marbled newt species (Amphibia: Salamandridae: Triturus)Ââ€“ an addition to the New Atlas of Amphibians and Reptiles of Europe. Amphibia - Reptilia, 2014, 35, 376-381.	0.5	31
51	Testing an hypothesis of hybrid zone movement for toads in France. Molecular Ecology, 2019, 28, 1070-1083.	3.9	31
52	Phylogeographic analysis reveals northerly refugia for the riverine amphibian<i>Triturus dobrogicus</i>(Caudata: Salamandridae). Biological Journal of the Linnean Society, 2016, 119, 974-991.	1.6	30
53	Phylogenetic relationships of the European newts (genus Triturus) tested with mitochondrial DNA sequence data. Contributions To Zoology, 1999, 68, 73-81.	0.5	29
54	Microsatellite loci in the crested newt (Triturus cristatus) and their utility in other newt taxa. Conservation Genetics, 2002, 3, 85-87.	1.5	28

#	Article	IF	Citations
55	Differential introgression across newt hybrid zones: Evidence from replicated transects. Molecular Ecology, 2019, 28, 4811-4824.	3.9	28
56	Corresponding Mitochondrial DNA and Niche Divergence for Crested Newt Candidate Species. PLoS ONE, 2012, 7, e46671.	2.5	27
57	Crest evolution in newts: implications for reconstruction methods, sexual selection, phenotypic plasticity and the origin of novelties. Journal of Evolutionary Biology, 2011, 24, 2073-2086.	1.7	26
58	Newts under siege: range expansion of Triturus pygmaeus isolates populations of its sister species. Diversity and Distributions, 2007, 13, 580-586.	4.1	25
59	Fluctuating asymmetry is a function of population isolation in island lizards. Journal of Zoology, 2010, 282, 266-275.	1.7	23
60	Morphological and genetic differentiation of Bufo toads: two cryptic species in Western Europe (Anura, Bufonidae). Contributions To Zoology, 2013, 82, 147-169.	0.5	23
61	Seasonal Variation in Sex Ratio and Asynchronous Presence at Ponds of Male and Female Triturus Newts. Journal of Herpetology, 2002, 36, 30-35.	0.5	22
62	Skull shape differentiation of black and white olms (Proteus anguinus anguinus and Proteus a.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	0.5	22
63	Phylotranscriptomic evidence for pervasive ancient hybridization among Old World salamanders. Molecular Phylogenetics and Evolution, 2021, 155, 106967.	2.7	22
64	The distribution and conservation status of the Danube crested newt, Triturus dobrogicus. Amphibia - Reptilia, 1997, 18, 133-142.	0.5	20
65	Concordant morphological and molecular clines in a contact zone of the Common and Spined toad (Bufo bufo and B. spinosus) in the northwest of France. Frontiers in Zoology, 2016, 13, 52.	2.0	20
66	Biochemical evidence pertaining to the taxonomic relationships within the family Chamaeleonidae. Amphibia - Reptilia, 1991, 12, 245-265.	0.5	19
67	Evolution of skull and body shape inTriturusnewts reconstructed from three-dimensional morphometric data and phylogeny. Biological Journal of the Linnean Society, 2014, 113, 243-255.	1.6	19
68	Stabilization of a salamander moving hybrid zone. Ecology and Evolution, 2017, 7, 689-696.	1.9	19
69	A common toad hybrid zone that runs fromÂtheÂAtlanticÂtoÂtheÂMediterranean. Amphibia - Reptilia, 2018, 39, 41-50.	0.5	18
70	Extensive cytonuclear discordance in a crested newt from the Balkan Peninsula glacial refugium. Biological Journal of the Linnean Society, 2020, 130, 578-585.	1.6	18
71	Data Concatenation, Bayesian Concordance and Coalescent-Based Analyses of the Species Tree for the Rapid Radiation of Triturus Newts. PLoS ONE, 2014, 9, e111011.	2.5	18
72	Cost effective drift fences for toads and newts. Amphibia - Reptilia, 1995, 16, 137-145.	0.5	17

#	Article	IF	Citations
73	Absence of heterosis in hybrid crested newts. PeerJ, 2018, 6, e5317.	2.0	17
74	Homeotic transformations and number changes in the vertebral column of<i>Triturus</i>newts. PeerJ, 2015, 3, e1397.	2.0	15
75	An amphibian species pushed out of Britain by a moving hybrid zone. Molecular Ecology, 2019, 28, 5145-5154.	3.9	14
76	Taxonomy of the banded newt, Triturus vittatus: morphological and allozyme data. Amphibia - Reptilia, 2000, 21, 155-168.	0.5	13
77	Exploring the Effect of Asymmetric Mitochondrial DNA Introgression on Estimating Niche Divergence in Morphologically Cryptic Species. PLoS ONE, 2014, 9, e95504.	2.5	13
78	Reconstructing hotspots of genetic diversity from glacial refugia and subsequent dispersal in Italian common toads (Bufo bufo). Scientific Reports, 2021, 11, 260.	3.3	12
79	Genetic differentiation among Iberian populations of the Alpine newt, Triturus alpestris. Amphibia - Reptilia, 1991, 12, 409-421.	0.5	11
80	Historical biogeography and conservation of the golden-striped salamander (Chioglossa lusitanica) in northwestern Iberia: integrating ecological, phenotypic and phylogeographic data. , 2007, , 189-205.		11
81	Morphological and molecular data to describe a hybrid population of the Common toad (Bufo bufo) and the Spined toad (Bufo spinosus) in western France. Contributions To Zoology, 2017, 86, 1-9.	0.5	11
82	Evolution of skull shape in the family Salamandridae (Amphibia: Caudata). Journal of Anatomy, 2018, 232, 359-370.	1.5	10
83	Molecular data reveal the hybrid nature of an introduced population of banded newts (Ommatotriton) in Spain. Conservation Genetics, 2018, 19, 249-254.	1.5	10
84	Is mitochondrial DNA divergence of Near Eastern crested newts (Triturus karelinii group) reflected by differentiation of skull shape?. Zoologischer Anzeiger, 2013, 252, 269-277.	0.9	9
85	Paul Kammerer and the inheritance of acquired characteristics. Contributions To Zoology, 2016, 85, 457-470.	0.5	9
86	A genomic footprint of a moving hybrid zone in marbled newts. Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 459-465.	1.4	9
87	Geographical variation in the goldenâ€striped salamander,Chioglossa lusitanicaBocage, 1864 and the description of a newly recognized subspecies. Journal of Natural History, 2007, 41, 925-936.	0.5	8
88	Morphological and molecular characters to describe a marbled newt hybrid zone in the Iberian peninsula. Contributions To Zoology, 2018, 87, 167-185.	0.5	8
89	Testing the hybrid superiority hypothesis in crested and marbled newts. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 275-283.	1.4	8
90	Vertebral shape and body elongation in Triturus newts. Zoology, 2016, 119, 439-446.	1.2	7

#	Article	IF	Citations
91	Environmental correlates of the European common toad hybrid zone. Contributions To Zoology, 2020, 89, 270-281.	0.5	7
92	Next-generation phylogeography of the banded newts (Ommatotriton): A phylogenetic hypothesis for three ancient species with geographically restricted interspecific gene flow and deep intraspecific genetic structure. Molecular Phylogenetics and Evolution, 2022, 167, 107361.	2.7	7
93	â€˜Mainland-islandâ€™ population structure of a terrestrial salamander in a forest-bocage landscape with little evidence for in situ ecological speciation. Scientific Reports, 2020, 10, 1700.	3.3	6
94	Genetic and morphological data demonstrate hybridization and backcrossing in a pair of salamanders at the far end of the speciation continuum. Evolutionary Applications, 2021, 14, 2784-2793.	3.1	6
95	Tracing species replacement in Iberian marbled newts. Ecology and Evolution, 2021, 11, 402-414.	1.9	6
96	Evolutionary relationships among Europan newts (genus Triturus) as inferred from two mtDNA fragments. Pflugers Archiv European Journal of Physiology, 2000, 439, r021-r022.	2.8	5
97	Morphological integration and serial homology: A case study of the cranium and anterior vertebrae in salamanders. Journal of Zoological Systematics and Evolutionary Research, 2020, 58, 1206-1219.	1.4	3
98	Genetic and Morphological Differentiation of Common Toads in the Alps and the Apennines. , 2020, , 1-13.		3
99	Genetic traces of hybrid zone movement across a fragmented habitat. Journal of Evolutionary Biology, 2022, 35, 400-412.	1.7	3
100	Variation in vertebrae shape across smallâ€bodied newts reveals functional and developmental constraints acting upon the trunk region. Journal of Anatomy, 2022, 240, 639-646.	1.5	2
101	Coexistence of two newt species in a transition zone of range overlap. Contributions To Zoology, 2022, 91, 133-151.	0.5	2
102	Drastic Population Size Change in Two Populations of the Golden-Striped Salamander over a Forty-Year Periodâ€"Are Eucalypt Plantations to Blame?. Diversity, 2015, 7, 270-294.	1.7	1