

Neftali Sillero

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73
papers

1,561
citations

22
h-index

38
g-index

82
ext. papers

1,978
ext. citations

3.1
avg, IF

5.25
L-index

#	Paper	IF	Citations
73	Updated distribution and biogeography of amphibians and reptiles of Europe. <i>Amphibia - Reptilia</i> , 2014 , 35, 1-31	1.2	210
72	What does ecological modelling model? A proposed classification of ecological niche models based on their underlying methods. <i>Ecological Modelling</i> , 2011 , 222, 1343-1346	3	142
71	Unravelling biodiversity, evolution and threats to conservation in the Sahara-Sahel. <i>Biological Reviews</i> , 2014 , 89, 215-31	13.5	131
70	Inferring habitat-suitability areas with ecological modelling techniques and GIS: A contribution to assess the conservation status of <i>Vipera latastei</i> . <i>Biological Conservation</i> , 2006 , 130, 416-425	6.2	89
69	Normalized difference water indexes have dissimilar performances in detecting seasonal and permanent water in the Sahara-Sahel transition zone. <i>Journal of Hydrology</i> , 2012 , 464-465, 438-446	6	76
68	The pond network: can structural connectivity reflect on (amphibian) biodiversity patterns?. <i>Landscape Ecology</i> , 2011 , 26, 673-682	4.3	52
67	Biogeographical patterns derived from remote sensing variables: the amphibians and reptiles of the Iberian Peninsula. <i>Amphibia - Reptilia</i> , 2009 , 30, 185-206	1.2	52
66	Common dolphin (<i>Delphinus delphis</i>) habitat preferences using data from two platforms of opportunity. <i>Acta Oecologica</i> , 2012 , 38, 24-32	1.7	49
65	GIS-based niche models identify environmental correlates sustaining a contact zone between three species of European vipers. <i>Diversity and Distributions</i> , 2008 , 14, 452-461	5	48
64	Common mistakes in ecological niche models. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 213-226	4.1	43
63	Biodiversity and Land uses at a regional scale: Is agriculture the biggest threat for reptile assemblages?. <i>Acta Oecologica</i> , 2009 , 35, 327-334	1.7	37
62	Parthenogenesis through the ice ages: A biogeographic analysis of Caucasian rock lizards (genus <i>Darevskia</i>). <i>Molecular Phylogenetics and Evolution</i> , 2016 , 102, 117-27	4.1	37
61	Crocodiles in the Sahara desert: an update of distribution, habitats and population status for conservation planning in Mauritania. <i>PLoS ONE</i> , 2011 , 6, e14734	3.7	35
60	Spatial analysis of amphibian road mortality levels in northern Portugal country roads. <i>Amphibia - Reptilia</i> , 2012 , 33, 469-483	1.2	33
59	An investigation of the environmental determinants of asthma hospitalizations: An applied spatial approach. <i>Applied Geography</i> , 2014 , 47, 10-19	4.4	32
58	A place in the sun: interspecific interference affects thermoregulation in coexisting lizards. <i>Behavioral Ecology and Sociobiology</i> , 2015 , 69, 1127-1137	2.5	28
57	Inferring evolutionary scenarios with geostatistics and geographical information systems for the viperid snakes <i>Vipera latastei</i> and <i>Vipera monticola</i> . <i>Biological Journal of the Linnean Society</i> , 2008 , 95, 790-806	1.9	28

56	Amphibian mortality levels on Spanish country roads: descriptive and spatial analysis. <i>Amphibia - Reptilia</i> , 2008 , 29, 337-347	1.2	28
55	Habitat suitability, threats and conservation of isolated populations of the smooth snake (<i>Coronella austriaca</i>) in the southern Iberian Peninsula. <i>Biological Conservation</i> , 2009 , 142, 344-352	6.2	26
54	Modelling the past and future distribution of contracting species. The Iberian lizard <i>Podarcis carbonelli</i> (Squamata: Lacertidae) as a case study. <i>Zoologischer Anzeiger</i> , 2013 , 252, 289-298	1.1	25
53	Phylogeographic and environmental correlates support the cryptic function of the zigzag pattern in a European viper. <i>Evolutionary Ecology</i> , 2014 , 28, 611-626	1.8	24
52	Spatial Biodiversity Patterns of Madagascar's Amphibians and Reptiles. <i>PLoS ONE</i> , 2016 , 11, e0144076	3.7	23
51	The distribution of the crested and marbled newt species (Amphibia: Salamandridae: Triturus) in addition to the New Atlas of Amphibians and Reptiles of Europe. <i>Amphibia - Reptilia</i> , 2014 , 35, 376-381	1.2	22
50	Spatial structure analysis of a reptile community with airborne LiDAR data. <i>International Journal of Geographical Information Science</i> , 2014 , 28, 1709-1722	4.1	18
49	Snakes on the Balearic islands: an invasion tale with implications for native biodiversity conservation. <i>PLoS ONE</i> , 2015 , 10, e0121026	3.7	18
48	Evaluating how species niche modelling is affected by partial distributions with an empirical case. <i>Acta Oecologica</i> , 2016 , 77, 207-216	1.7	13
47	Distributed database system of the New Atlas of Amphibians and Reptiles in Europe: the NA2RE project. <i>Amphibia - Reptilia</i> , 2014 , 35, 33-39	1.2	11
46	Niche evolution and thermal adaptation in the temperate species <i>Drosophila americana</i> . <i>Journal of Evolutionary Biology</i> , 2014 , 27, 1549-61	2.3	11
45	Estimating home-range size: when to include a third dimension?. <i>Ecology and Evolution</i> , 2013 , 3, 2285-952.8	10	
44	Data on the distribution of mammals from Mauritania, West Africa. <i>Mammalia</i> , 2010 , 74,	1	10
43	Ecological Niche Models Reveal Climate Change Effect on Biogeographical Regions: The Iberian Peninsula as a Case Study. <i>Climate</i> , 2020 , 8, 42	3.1	10
42	Climate suggests environment-dependent selection on lizard colour morphs. <i>Journal of Biogeography</i> , 2018 , 45, 2791-2802	4.1	10
41	Using citizen science in road surveys for large-scale amphibian monitoring: are biased data representative for species distribution?. <i>Biodiversity and Conservation</i> , 2020 , 29, 1767-1781	3.4	9
40	Lack of congruence of genetic and niche divergence in <i>Podarcis hispanicus</i> complex. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2018 , 56, 479-492	1.9	9
39	Fully automatic multi-temporal land cover classification using Sentinel-2 image data. <i>Procedia Computer Science</i> , 2019 , 159, 650-657	1.6	9

38	Improving the accuracy of small vertebrate-based palaeoclimatic reconstructions derived from the Mutual Ecogeographic Range. A case study using geographic information systems and UDA-ODA discrimination methodology. <i>Quaternary Science Reviews</i> , 2019 , 223, 105969	3.9	9
37	Want to model a species niche? A step-by-step guideline on correlative ecological niche modelling. <i>Ecological Modelling</i> , 2021 , 456, 109671	3	9
36	Influence of Landscape Factors on Amphibian Roadkills at the National Level. <i>Diversity</i> , 2019 , 11, 13	2.5	8
35	Modelling suitable areas for <i>Hyla meridionalis</i> under current and future hypothetical expansion scenarios. <i>Amphibia - Reptilia</i> , 2010 , 31, 37-50	1.2	8
34	The role of fire on wolf distribution and breeding-site selection: Insights from a generalist carnivore occurring in a fire-prone landscape. <i>Landscape and Urban Planning</i> , 2019 , 183, 111-121	7.7	8
33	Assessing the performance of different OBIA software approaches for mapping invasive alien plants along roads with remote sensing data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 95, 102263	7.3	8
32	Parthenogenetic <i>Darevskia</i> lizards mate frequently if they have the chance: a quantitative analysis of copulation marks in a sympatric zone. <i>Journal of Natural History</i> , 2018 , 52, 405-413	0.5	7
31	Realized niche modelling uncovers contrasting responses to fire according to species-specific biogeographical affinities of amphibian and reptile species. <i>Biological Journal of the Linnean Society</i> , 2019 , 126, 55-67	1.9	7
30	Traditionally managed landscapes do not prevent amphibian decline and the extinction of paedomorphosis. <i>Ecological Monographs</i> , 2019 , 89, e01347	9	7
29	The distributions of the six species constituting the smooth newt species complex (<i>Lissotriton vulgaris sensu lato</i> and <i>L. montandoni</i>) in addition to the New Atlas of Amphibians and Reptiles of Europe. <i>Amphibia - Reptilia</i> , 2018 , 39, 252-259	1.2	6
28	Home ranges of parthenogenetic and bisexual species in a community of <i>Darevskia</i> lizards (Reptilia: Lacertidae). <i>Zoology in the Middle East</i> , 2016 , 62, 306-318	0.7	6
27	High Resolution Trichromatic Road Surface Scanning with a Line Scan Camera and Light Emitting Diode Lighting for Road-Kill Detection. <i>Sensors</i> , 2016 , 16,	3.8	6
26	Ecological niche models improve home range estimations. <i>Journal of Zoology</i> , 2021 , 313, 145-157	2	6
25	Analysing the importance of stepping-stone islands in maintaining structural connectivity and endemism. <i>Biological Journal of the Linnean Society</i> , 2018 , 124, 113-125	1.9	5
24	The role of hybridisation in the origin and evolutionary persistence of vertebrate parthenogens: a case study of <i>Darevskia</i> lizards. <i>Heredity</i> , 2019 , 123, 795-808	3.6	5
23	Assessing the relative importance of temperature, discharge, and day length on the reproduction of an anadromous fish (<i>Alosa alosa</i>). <i>Freshwater Biology</i> , 2020 , 65, 253-263	3.1	5
22	Temporal analysis of <i>Mauremys leprosa</i> (Testudines, Geoemydidae) distribution in northeastern Iberia: unusual increase in the distribution of a native species. <i>Hydrobiologia</i> , 2015 , 757, 129-142	2.4	4
21	Living in clusters: the local spatial segregation of a lizard community. <i>Basic and Applied Herpetology</i> ,		4

20	Herpetological History of the Balearic Islands: When Aliens Conquered These Islands and What to Do Next. <i>World Terraced Landscapes: History, Environment, Quality of Life Environmental History</i> , 2018 , 105-131	0.3	4
19	Cross-scale monitoring of habitat suitability changes using satellite time series and ecological niche models. <i>Science of the Total Environment</i> , 2021 , 784, 147172	10.2	4
18	Performance of commercial and open source remote sensing/image processing software for land cover/use purposes 2012 ,		3
17	Local Segregation of Realised Niches in Lizards. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 764	2.9	3
16	Genetic diversity of Horvath's Rock Lizard meets current environmental restrictions. <i>Conservation Genetics</i> , 2021 , 22, 483-498	2.6	3
15	An Improved Mobile Mapping System to Detect Road-Killed Amphibians and Small Birds. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 565	2.9	2
14	The more you search, the more you find: Cryptic diversity and admixture within the Anatolian rock lizards (Squamata, Darevskia). <i>Zoologica Scripta</i> , 2021 , 50, 193-209	2.5	2
13	NA2RE is reliable but aims for improvement: an answer to Vamberger and Fritz (2018). <i>Biologia (Poland)</i> , 2018 , 73, 1131-1135	1.5	2
12	An integrated and open source GIS environmental management system for a protected area in the south of Portugal 2015 ,		1
11	Ultrasonic device effectiveness in keeping rodents off the road. <i>European Journal of Wildlife Research</i> , 2020 , 66, 1	2	1
10	Correlation between the habitats productivity and species richness (amphibians and reptiles) in Portugal through remote sensed data 2013 ,		1
9	Estimating altitude in distribution records of Amphibians and Reptiles: a comparative study between topographic maps and Remote Sensing data. <i>Amphibia - Reptilia</i> , 2008 , 29, 121-126	1.2	1
8	The distribution and biogeography of slow worms (Anguis, Squamata) across the Western Palearctic, with an emphasis on secondary contact zones. <i>Amphibia - Reptilia</i> , 2021 , 1-12	1.2	1
7	Distribution modelling of an introduced species: do adaptive genetic markers affect potential range?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201791	4.4	1
6	A road mobile mapping device for supervised classification of amphibians on roads. <i>European Journal of Wildlife Research</i> , 2018 , 64, 1	2	1
5	Climate change in action: local elevational shifts on Iberian amphibians and reptiles. <i>Regional Environmental Change</i> , 2021 , 21, 1	4.3	0
4	A survival story: evolutionary history of the Iberian Algyroides (Squamata: Lacertidae), an endemic lizard relict. <i>Biodiversity and Conservation</i> , 2021 , 30, 2707-2729	3.4	0
3	Influence of avocado orchard landscapes on amphibians and reptiles in the trans-Mexican volcanic belt. <i>Biotropica</i> , 2021 , 53, 1631	2.3	0

- 2 A Simple Spatial Method for Identifying Point Clusters by Neighbourhood Relationships. *Ecologies*, **2021**, 2, 305-312 0.3 0
- 1 A Spatial Approach for Modeling Amphibian Road-Kills: Comparison of Regression Techniques. *ISPRS International Journal of Geo-Information*, **2021**, 10, 343 2.9