

Neftali Sillero

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,503
citations

257357

24
h-index

223716

46
g-index

84
all docs

84
docs citations

84
times ranked

2951
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated distribution and biogeography of amphibians and reptiles of Europe. <i>Amphibia - Reptilia</i> , 2014, 35, 1-31.	0.1	293
2	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.	1.2	208
3	Unravelling biodiversity, evolution and threats to conservation in the Saharaâ€Sahel. <i>Biological Reviews</i> , 2014, 89, 215-231.	4.7	170
4	Common mistakes in ecological niche models. <i>International Journal of Geographical Information Science</i> , 2021, 35, 213-226.	2.2	157
5	Want to model a species niche? A step-by-step guideline on correlative ecological niche modelling. <i>Ecological Modelling</i> , 2021, 456, 109671.	1.2	123
6	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.	1.9	106
7	Normalized difference water indexes have dissimilar performances in detecting seasonal and permanent water in the Saharaâ€Sahel transition zone. <i>Journal of Hydrology</i> , 2012, 464-465, 438-446.	2.3	99
8	GISâ€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.	1.9	70
9	Biogeographical patterns derived from remote sensing variables: the amphibians and reptiles of the Iberian Peninsula. <i>Amphibia - Reptilia</i> , 2009, 30, 185-206.	0.1	67
10	Common dolphin (<i>Delphinus delphis</i>) habitat preferences using data from two platforms of opportunity. <i>Acta Oecologica</i> , 2012, 38, 24-32.	0.5	67
11	The pond network: can structural connectivity reflect on (amphibian) biodiversity patterns?. <i>Landscape Ecology</i> , 2011, 26, 673-682.	1.9	64
12	Biodiversity and Land uses at a regional scale: Is agriculture the biggest threat for reptile assemblages?. <i>Acta Oecologica</i> , 2009, 35, 327-334.	0.5	49
13	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.	1.1	47
14	An investigation of the environmental determinants of asthma hospitalizations: An applied spatial approach. <i>Applied Geography</i> , 2014, 47, 10-19.	1.7	45
15	Spatial analysis of amphibian road mortality levels in northern Portugal country roads. <i>Amphibia - Reptilia</i> , 2012, 33, 469-483.	0.1	44
16	Parthenogenesis through the ice ages: A biogeographic analysis of Caucasian rock lizards (genus) <i>Tj ETQq0 0 0 rgBT J/Overlock 10 Tf 50</i>	1.2	44
17	Spatial Biodiversity Patterns of Madagascar's Amphibians and Reptiles. <i>PLoS ONE</i> , 2016, 11, e0144076.	1.1	44
18	Amphibian mortality levels on Spanish country roads: descriptive and spatial analysis. <i>Amphibia - Reptilia</i> , 2008, 29, 337-347.	0.1	41

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19	A place in the sun: interspecific interference affects thermoregulation in coexisting lizards. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1127-1137.	0.6	37
20	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.	0.4	35
21	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> , 0, 95, 790-806.	0.7	32
22	The distribution of the crested and marbled newt species (Amphibia: Salamandridae: <i>Triturus</i>) " an addition to the New Atlas of Amphibians and Reptiles of Europe. <i>Amphibia - Reptilia</i> , 2014, 35, 376-381.	0.1	31
23	Snakes on the Balearic Islands: An Invasion Tale with Implications for Native Biodiversity Conservation. <i>PLoS ONE</i> , 2015, 10, e0121026.	1.1	31
24	Habitat suitability, threats and conservation of isolated populations of the smooth snake (<i>Coronella</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf .	1.9	27
25	Spatial structure analysis of a reptile community with airborne LiDAR data. <i>International Journal of Geographical Information Science</i> , 2014, 28, 1709-1722.	2.2	26
26	Phylogeographic and environmental correlates support the cryptic function of the zigzag pattern in a European viper. <i>Evolutionary Ecology</i> , 2014, 28, 611-626.	0.5	26
27	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.	1.2	23
28	Influence of Landscape Factors on Amphibian Roadkills at the National Level. <i>Diversity</i> , 2019, 11, 13.	0.7	22
29	Evaluating how species niche modelling is affected by partial distributions with an empirical case. <i>Acta Oecologica</i> , 2016, 77, 207-216.	0.5	20
30	Climate suggests environmentâ€dependent selection on lizard colour morphs. <i>Journal of Biogeography</i> , 2018, 45, 2791-2802.	1.4	20
31	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.	3.9	20
32	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.	0.6	19
33	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.	1.4	19
34	Niche evolution and thermal adaptation in the temperate species <i>Drosophila americana</i> . <i>Journal of Evolutionary Biology</i> , 2014, 27, 1549-1561.	0.8	18
35	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.	1.4	18
36	Fully automatic multi-temporal land cover classification using Sentinel-2 image data. <i>Procedia Computer Science</i> , 2019, 159, 650-657.	1.2	16

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37	Predicting Cetacean Distributions in the Eastern North Atlantic to Support Marine Management. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	16
38	Traditionally managed landscapes do not prevent amphibian decline and the extinction of paedomorphosis. <i>Ecological Monographs</i> , 2019, 89, e01347.	2.4	15
39	Ecological Niche Models Reveal Climate Change Effect on Biogeographical Regions: The Iberian Peninsula as a Case Study. <i>Climate</i> , 2020, 8, 42.	1.2	15
40	Modelling suitable areas for <i>Hyla meridionalis</i> under current and future hypothetical expansion scenarios. <i>Amphibia - Reptilia</i> , 2010, 31, 37-50.	0.1	14
41	Distributed database system of the New Atlas of Amphibians and Reptiles in Europe: the NA2RE project. <i>Amphibia - Reptilia</i> , 2014, 35, 33-39.	0.1	13
42	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.	1.2	13
43	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.	3.4	13
44	Data on the distribution of mammals from Mauritania, West Africa. <i>Mammalia</i> , 2010, 74, .	0.3	12
45	Estimating home range size: when to include a third dimension?. <i>Ecology and Evolution</i> , 2013, 3, 2285-2295.	0.8	12
46	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.	1.2	11
47	Ecological niche models improve home range estimations. <i>Journal of Zoology</i> , 2021, 313, 145-157.	0.8	11
48	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.	0.2	10
49	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, 558.	2.1	9
50	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.	0.2	9
51	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.	0.7	9
52	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.	0.7	8
53	Climate change in action: local elevational shifts on Iberian amphibians and reptiles. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	8
54	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.	1.0	7

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55	The more you search, the more you find: Cryptic diversity and admixture within the Anatolian rock lizards (<i>Squamata</i> , <i>Darevskia</i>). <i>Zoologica Scripta</i> , 2021, 50, 193-209.	0.7	7
56	Citizen science data of cetaceans in the Arabian/Persian Gulf: Occurrence and habitat preferences of the three most reported species. <i>Marine Mammal Science</i> , 2022, 38, 235-255.	0.9	7
57	Shifts in climatic realised niches of Iberian species. <i>Oikos</i> , 2022, 2022, .	1.2	7
58	Home ranges of parthenogenetic and bisexual species in a community of <i>Darevskia</i> lizards (<i>Reptilia: Lacertidae</i>). <i>Zoology in the Middle East</i> , 2016, 62, 306-318.	0.2	6
59	Local Segregation of Realised Niches in Lizards. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 764.	1.4	6
60	An Improved Mobile Mapping System to Detect Road-Killed Amphibians and Small Birds. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 565.	1.4	5
61	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.	1.2	5
62	To be or not to be: the role of absences in niche modelling for highly mobile species in dynamic marine environments. <i>Ecological Modelling</i> , 2022, 471, 110040.	1.2	5
63	Performance of commercial and open source remote sensing/image processing software for land cover/use purposes. , 2012, , .		4
64	A road mobile mapping device for supervised classification of amphibians on roads. <i>European Journal of Wildlife Research</i> , 2018, 64, 1.	0.7	4
65	NA2RE is reliable but aims for improvement: an answer to Vamberger and Fritz (2018). <i>Biologia (Poland)</i> , 2018, 73, 1131-1135.	0.8	4
66	A survival story: evolutionary history of the Iberian <i>Algyroides</i> (<i>Squamata: Lacertidae</i>), an endemic lizard relict. <i>Biodiversity and Conservation</i> , 2021, 30, 2707-2729.	1.2	4
67	Living in clusters: the local spatial segregation of a lizard community. <i>Basic and Applied Herpetology</i> , 0, , .	0.0	4
68	Correlation between the habitats productivity and species richness (amphibians and reptiles) in Portugal through remote sensed data. , 2013, , .		3
69	An integrated and open source GIS environmental management system for a protected area in the south of Portugal. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
70	Genetic diversity of Horvath's Rock Lizard meets current environmental restrictions. <i>Conservation Genetics</i> , 2021, 22, 483-498.	0.8	3
71	Influence of avocado orchard landscapes on amphibians and reptiles in the trans-Mexican volcanic belt. <i>Biotropica</i> , 2021, 53, 1631-1645.	0.8	3
72	A Simple Spatial Method for Identifying Point Clusters by Neighbourhood Relationships. <i>Ecologies</i> , 2021, 2, 305-312.	0.7	3

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73	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.	0.1	1
74	The use of remotely sensed environmental data in the study of asthma disease. , 2012, , .		1
75	Ultrasonic device effectiveness in keeping rodents off the road. <i>European Journal of Wildlife Research</i> , 2020, 66, 1.	0.7	1
76	GIS for Spatial Biology: The Geographical Component of Life. <i>Frontiers in Information Systems</i> , 2018, , 149-183.	0.1	1
77	Remote sensing as a tool to analyse lizards behaviour. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
78	A Spatial Approach for Modeling Amphibian Road-Kills: Comparison of Regression Techniques. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 343.	1.4	0
79	Modelling Terrestrial Tortoises Response to Fire Events. , 2020, , .		0