David SÃ¡nchez-FernÃ¡ndez

List of Publications by Year
in descending order

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92 papers	2,697 citations	172386 29 h-index	214721 47 g-index
95 all docs	95 docs citations	95 times ranked	3222 citing authors

#	Article	IF	Citations
1	Nutrient And Particulate Inputs Into The Mar Menor Lagoon (Se Spain) From An Intensive Agricultural Watershed. Water, Air, and Soil Pollution, 2006, 176, 37-56.	1.1	114
2	Are Water Beetles Good Indicators of Biodiversity in Mediterranean Aquatic Ecosystems? The Case of the Segura River Basin (SE Spain). Biodiversity and Conservation, 2006, 15, 4507-4520.	1.2	111
3	Effects of salinity changes on aquatic organisms in a multiple stressor context. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180011.	1.8	105
4	Mediterranean saline streams in southeast Spain: What do we know?. Journal of Arid Environments, 2011, 75, 1352-1359.	1.2	104
5	Dispersal ability rather than ecological tolerance drives differences in range size between lentic and lotic water beetles (Coleoptera: Hydrophilidae). Journal of Biogeography, 2012, 39, 984-994.	1.4	94
6	Species distribution models that do not incorporate global data misrepresent potential distributions: a case study using Iberian diving beetles. Diversity and Distributions, 2011, 17, 163-171.	1.9	89
7	KnowBR: An application to map the geographical variation of survey effort and identify well-surveyed areas from biodiversity databases. Ecological Indicators, 2018, 91, 241-248.	2.6	83
8	Bias in freshwater biodiversity sampling: the case of Iberian water beetles. Diversity and Distributions, 2008, 14, 754-762.	1.9	77
9	Are the endemic water beetles of the Iberian Peninsula and the Balearic Islands effectively protected?. Biological Conservation, 2008, 141, 1612-1627.	1.9	75
10	Can taxonomic distinctness assess anthropogenic impacts in inland waters? A case study from a Mediterranean river basin. Freshwater Biology, 2006, 51, 1744-1756.	1.2	67
11	Impacts of environmental filters on functional redundancy in riparian vegetation. Journal of Applied Ecology, 2016, 53, 846-855.	1.9	64
12	Conservation of Freshwater Biodiversity: a Comparison of Different Area Selection Methods. Biodiversity and Conservation, 2005, 14, 3457-3474.	1.2	63
13	Evaluating drivers of vulnerability to climate change: a guide for insect conservation strategies. Global Change Biology, 2012, 18, 2135-2146.	4.2	63
14	Assessing conservation priorities for insects: status of water beetles in southeast Spain. Biological Conservation, 2005, 121, 79-90.	1.9	60
15	Effectiveness of protected area networks in representing freshwater biodiversity: the case of a Mediterranean river basin (south-eastern Spain). Aquatic Conservation: Marine and Freshwater Ecosystems, 2007, 17, 361-374.	0.9	60
16	Responses of Mediterranean aquatic and riparian communities to human pressures at different spatial scales. Ecological Indicators, 2014, 45, 456-464.	2.6	56
17	Irrigation pools as macroinvertebrate habitat in a semi-arid agricultural landscape (SE Spain). Journal of Arid Environments, 2006, 67, 255-269.	1.2	51
18	Middle Triassic carbonate platforms in eastern Iberia: Evolution of their fauna and palaeogeographic significance in the western Tethys. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 417, 236-260.	1.0	46

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19	Donâ€™t forget subterranean ecosystems in climate change agendas. Nature Climate Change, 2021, 11, 458-459.	8.1	46
20	Conservation genetics in hypersaline inland waters: mitochondrial diversity and phylogeography of an endangered Iberian beetle (Coleoptera: Hydraenidae). Conservation Genetics, 2006, 8, 79-88.	0.8	44
21	Selecting areas to protect the biodiversity of aquatic ecosystems in a semiarid Mediterranean region using water beetles. Aquatic Conservation: Marine and Freshwater Ecosystems, 2004, 14, 465-479.	0.9	42
22	A gap analysis comparing the effectiveness of Natura 2000 and national protected area networks in representing European amphibians and reptiles. Biodiversity and Conservation, 2015, 24, 1377-1390.	1.2	39
23	Similarity in the difference: changes in community functional features along natural and anthropogenic stress gradients. Ecology, 2015, 96, 2458-2466.	1.5	39
24	Towards evidenceâ€based conservation of subterranean ecosystems. Biological Reviews, 2022, 97, 1476-1510.	4.7	39
25	The deep subterranean environment as a potential model system in ecological, biogeographical and evolutionary research. Subterranean Biology, 0, 25, 1-7.	5.0	37
26	Are species listed in the Annex II of the Habitats Directive better represented in Natura 2000 network than the remaining species? A test using Spanish bats. Biodiversity and Conservation, 2015, 24, 2459-2473.	1.2	35
27	Integrative taxonomy and conservation of cryptic beetles in the Mediterranean region (Hydrophilidae). Zoologica Scripta, 2013, 42, 182-200.	0.7	34
28	Thermal niche estimators and the capability of poor dispersal species to cope with climate change. Scientific Reports, 2016, 6, 23381.	1.6	34
29	Assessing the Congruence of Thermal Niche Estimations Derived from Distribution and Physiological Data. A Test Using Diving Beetles. PLoS ONE, 2012, 7, e48163.	1.1	33
30	Preserving the evolutionary history of freshwater biota in Iberian National Parks. Biological Conservation, 2013, 162, 116-126.	1.9	32
31	Brazilian cave heritage under siege. Science, 2022, 375, 1238-1239.	6.0	32
32	A conservation roadmap for the subterranean biome. Conservation Letters, 2021, 14, e12834.	2.8	31
33	Do protected areas represent species' optimal climatic conditions? A test using <scp>I</scp>berian water beetles. Diversity and Distributions, 2013, 19, 1407-1417.	1.9	30
34	Using null models to identify under-represented species in protected areas: A case study using European amphibians and reptiles. Biological Conservation, 2015, 184, 290-299.	1.9	30
35	Lack of evolutionary adjustment to ambient temperature in highly specialized cave beetles. BMC Evolutionary Biology, 2015, 15, 10.	3.2	30
36	Functional redundancy as a tool for bioassessment: A test using riparian vegetation. Science of the Total Environment, 2016, 566-567, 1268-1276.	3.9	29

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37	Reduced salinities compromise the thermal tolerance of hypersaline specialist diving beetles. Physiological Entomology, 2010, 35, 265-273.	0.6	28
38	Aquatic macroinvertebrate biodiversity: patterns and surrogates in mountainous Spanish national parks. Aquatic Conservation: Marine and Freshwater Ecosystems, 2012, 22, 598-615.	0.9	28
39	How Far Could the Alien Boatman Trichocorixa verticalis verticalis Spread? Worldwide Estimation of Its Current and Future Potential Distribution. PLoS ONE, 2013, 8, e59757.	1.1	28
40	Thermal niche evolution and geographical range expansion in a species complex of western Mediterranean diving beetles. BMC Evolutionary Biology, 2014, 14, 187.	3.2	27
41	Effectiveness of the Natura 2000 network in protecting Iberian endemic fauna. Animal Conservation, 2018, 21, 262-271.	1.5	26
42	Loss of heat acclimation capacity could leave subterranean specialists highly sensitive to climate change. Animal Conservation, 2021, 24, 482-490.	1.5	25
43	Water beetle biodiversity in Mediterranean standing waters: assemblage composition, environmental drivers and nestedness patterns. Insect Conservation and Diversity, 2012, 5, 146-158.	1.4	24
44	Do all roads lead to Rome? Exploring community trajectories in response to anthropogenic salinization and dilution of rivers. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180009.	1.8	23
45	Climate changeâ€driven body size shrinking in a social wasp. Ecological Entomology, 2020, 45, 130-141.	1.1	23
46	Can we disentangle predatorâ€"prey interactions from species distributions at a macroâ€scale? A case study with a raptor species. Oikos, 2013, 122, 64-72.	1.2	22
47	Assessing potential surrogates of macroinvertebrate diversity in North-African Mediterranean aquatic ecosystems. Ecological Indicators, 2019, 101, 324-329.	2.6	22
48	Habitat type mediates equilibrium with climatic conditions in the distribution of Iberian diving beetles. Global Ecology and Biogeography, 2012, 21, 988-997.	2.7	21
49	Environmental determinants of woody and herbaceous riparian vegetation patterns in a semi-arid mediterranean basin. Hydrobiologia, 2014, 730, 45-57.	1.0	20
50	An interspecific test of Bergmann's rule reveals inconsistent body size patterns across several lineages of water beetles (Coleoptera: Dytiscidae). Ecological Entomology, 2019, 44, 249-254.	1.1	19
51	Matches and mismatches between conservation investments and biodiversity values in the European Union. Conservation Biology, 2018, 32, 109-115.	2.4	18
52	Heat tolerance and acclimation capacity in subterranean arthropods living under common and stable thermal conditions. Ecology and Evolution, 2019, 9, 13731-13739.	0.8	18
53	Beyond survival experiments: using biomarkers of oxidative stress and neurotoxicity to assess vulnerability of subterranean fauna to climate change. , 2020, 8, coaa067.		18
54	Environmental niche unfilling but limited options for range expansion by active dispersion in an alien cavity-nesting wasp. BMC Ecology, 2018, 18, 36.	3.0	17

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55	How to identify future sampling areas when information is biased and scarce: An example using predictive models for species richness of Iberian water beetles. Journal for Nature Conservation, 2011, 19, 54-59.	0.8	15
56	Environmental niche divergence between genetically distant lineages of an endangered water beetle. Biological Journal of the Linnean Society, 2011, 103, 891-903.	0.7	15
57	Low effectiveness of the Natura 2000 network in preventing land-use change in bat hotspots. Biodiversity and Conservation, 2017, 26, 1989-2006.	1.2	14
58	Substratum karstificability, dispersal and genetic structure in a strictly subterranean beetle. Journal of Biogeography, 2017, 44, 2527-2538.	1.4	14
59	Assessing the capacity of endemic alpine water beetles to face climate change. Insect Conservation and Diversity, 2020, 13, 271-282.	1.4	14
60	Insect communities in saline waters consist of realized but not fundamental niche specialists. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 374, .	1.8	13
61	Analyse de la vulnÃ©rabilitÃ© des colÃ©optÃ¨res aquatiques dans la rive sud mÃ©diterranÃ©enne: cas du Rif Marocain. Annales De La Societe Entomologique De France, 2009, 45, 309-320.	0.4	12
62	Environmental niche and global potential distribution of the giant resin bee Megachile sculpturalis, a rapidly spreading invasive pollinator. Global Ecology and Conservation, 2020, 24, e01365.	1.0	12
63	Climatic stability, not average habitat temperature, determines thermal tolerance of subterranean beetles. Ecology, 2022, 103, .	1.5	12
64	La vulnerabilidad de las especies frente al cambio climÃ¡tico, un reto urgente para la conservaciÃ³n de la biodiversidad. Ecosistemas, 2012, 21, 79-84.	0.2	11
65	Disentangling responses to natural stressor and human impact gradients in river ecosystems across Europe. Journal of Applied Ecology, 2022, 59, 537-548.	1.9	11
66	How complete are insect inventories? An assessment of the british butterfly database highlighting the influence of dynamic distribution shifts on sampling completeness. Biodiversity and Conservation, 2021, 30, 889-902.	1.2	10
67	Assessing the quality and usefulness of different taxonomic groups inventories in a semiarid Mediterranean region. Biodiversity and Conservation, 2012, 21, 1561-1575.	1.2	9
68	A new species of Desmopachria Babington (Coleoptera: Dytiscidae) from Cuba with a prediction of its geographic distribution and notes on other Cuban species of the genus. Zootaxa, 2014, 3753, 585-96.	0.2	9
69	Are patterns of sampling effort and completeness of inventories congruent? A test using databases for five insect taxa in the Iberian Peninsula. Insect Conservation and Diversity, 2022, 15, 406-415.	1.4	8
70	Multiple-stressors effects on Iberian freshwaters: A review of current knowledge and future research priorities. , 2022, 41, 1.		8
71	Extinction trends of threatened invertebrates in peninsular Spain. Journal of Insect Conservation, 2013, 17, 235-244.	0.8	7
72	Use of satellite images to characterize the spatio-temporal dynamics of primary productivity in hotspots of endemic Iberian butterflies. Ecological Indicators, 2019, 106, 105449.	2.6	7

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73	Combined effects of land-use intensification and plant invasion on native communities. Oecologia, 2020, 192, 823-836.	0.9	6
74	<p class="HeadingRunIn">Stictonectes abellani sp. n. (Coleoptera: Dytiscidae: Hydroporinae) from the Iberian Peninsula, with notes on the phylogeny, ecology and distribution of the Iberian species of the genus</p>. Zootaxa, 2013, 3745, 533.	0.2	5
75	Range expansion and ancestral niche reconstruction in the Mediterranean diving beetle genus <i>Meladema</i> (Coleoptera, Dytiscidae). Zoologica Scripta, 2017, 46, 445-458.	0.7	5
76	Assessing the role of the aquatic Natura 2000 network to protect both freshwater European species of community interest and threatened species in a Mediterranean region. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 1901-1911.	0.9	5
77	Species traits influence the process of biodiversity inventorying: a case study using the British butterfly database. Insect Conservation and Diversity, 2021, 14, 748-755.	1.4	5
78	Ãreas prioritarias de conservaciÃ³n en la cuenca del rÃo Segura utilizando los coleÃ³pteros acuÃ¡ticos como indicadores. , 2004, 23, 209-227.		5
79	Conservation of aquatic insects in Neotropical regions: A gap analysis using potential distributions of diving beetles in Cuba. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2714-2725.	0.9	4
80	Using local autocorrelation analysis to identify conservation areas: an example considering threatened invertebrate species in Spain. Biodiversity and Conservation, 2012, 21, 2127-2137.	1.2	3
81	On the Iberian endemism Eurylophella iberica Keffermuller and Da Terra 1978 (Ephemeroptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 the Natura 2000 network on its protection. Journal of Insect Conservation, 2018, 22, 127-134.	0.8	3
82	Effects of temporal bias on the assessment of an ecological perturbation: a case study of the Prestige oil spill. Environmental Research Letters, 2015, 10, 094006.	2.2	2
83	Vulnerabilidad de las especies de Dytiscidae (Coleoptera) en Cuba. Revista De Biologia Tropical, 2018, 66, 709.	0.1	2
84	Atlas of Iberian water beetles (ESACIB database). ZooKeys, 2015, 520, 147-154.	0.5	2
85	Thermal tolerance and vulnerability to climate change in subterranean species: a case study using an Iberian endemic pseudoscorpion. Insect Conservation and Diversity, 0, , .	1.4	2
86	Lack of congruence between fundamental and realised aridity niche in a lineage of water beetles. Freshwater Biology, 2022, 67, 1214-1227.	1.2	2
87	A general lack of complete inventories for aquatic beetles in Morocco. Journal of Insect Conservation, 2023, 27, 75-85.	0.8	2
88	Traditional small waterbodies as key landscape elements for farmland bird conservation in Mediterranean semiarid agroecosystems. Global Ecology and Conservation, 2022, 37, e02183.	1.0	2
89	Advances and links between ecological niche models and phylogeography. Frontiers of Biogeography, 2016, 8, .	0.8	1
90	Limited thermal acclimation capacity in cave beetles. ARPHA Conference Abstracts, 0, 1, .	0.0	1

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91	Water Quality Shapes Freshwater Macroinvertebrate Communities in Northern Tunisia. Environmental Science and Engineering, 2021, , 1915-1919.	0.1	0
92	The CAVEheAT project: climate change, thermal niche and conservation of subterranean biodiversity. ARPHA Conference Abstracts, 0, 1, .	0.0	0