

David Sánchez-Fernández

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

2,697
citations

172457

29
h-index

214800

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. <i>Water, Air, and Soil Pollution</i> , 2006, 176, 37-56.	2.4	114
2	Are Water Beetles Good Indicators of Biodiversity in Mediterranean Aquatic Ecosystems? The Case of the Segura River Basin (SE Spain). <i>Biodiversity and Conservation</i> , 2006, 15, 4507-4520.	2.6	111
3	Effects of salinity changes on aquatic organisms in a multiple stressor context. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180011.	4.0	105
4	Mediterranean saline streams in southeast Spain: What do we know?. <i>Journal of Arid Environments</i> , 2011, 75, 1352-1359.	2.4	104
5	Dispersal ability rather than ecological tolerance drives differences in range size between lentic and lotic water beetles (Coleoptera: Hydrophilidae). <i>Journal of Biogeography</i> , 2012, 39, 984-994.	3.0	94
6	Species distribution models that do not incorporate global data misrepresent potential distributions: a case study using Iberian diving beetles. <i>Diversity and Distributions</i> , 2011, 17, 163-171.	4.1	89
7	KnowBR: An application to map the geographical variation of survey effort and identify well-surveyed areas from biodiversity databases. <i>Ecological Indicators</i> , 2018, 91, 241-248.	6.3	83
8	Bias in freshwater biodiversity sampling: the case of Iberian water beetles. <i>Diversity and Distributions</i> , 2008, 14, 754-762.	4.1	77
9	Are the endemic water beetles of the Iberian Peninsula and the Balearic Islands effectively protected?. <i>Biological Conservation</i> , 2008, 141, 1612-1627.	4.1	75
10	Can taxonomic distinctness assess anthropogenic impacts in inland waters? A case study from a Mediterranean river basin. <i>Freshwater Biology</i> , 2006, 51, 1744-1756.	2.4	67
11	Impacts of environmental filters on functional redundancy in riparian vegetation. <i>Journal of Applied Ecology</i> , 2016, 53, 846-855.	4.0	64
12	Conservation of Freshwater Biodiversity: a Comparison of Different Area Selection Methods. <i>Biodiversity and Conservation</i> , 2005, 14, 3457-3474.	2.6	63
13	Evaluating drivers of vulnerability to climate change: a guide for insect conservation strategies. <i>Global Change Biology</i> , 2012, 18, 2135-2146.	9.5	63
14	Assessing conservation priorities for insects: status of water beetles in southeast Spain. <i>Biological Conservation</i> , 2005, 121, 79-90.	4.1	60
15	Effectiveness of protected area networks in representing freshwater biodiversity: the case of a Mediterranean river basin (south-eastern Spain). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2007, 17, 361-374.	2.0	60
16	Responses of Mediterranean aquatic and riparian communities to human pressures at different spatial scales. <i>Ecological Indicators</i> , 2014, 45, 456-464.	6.3	56
17	Irrigation pools as macroinvertebrate habitat in a semi-arid agricultural landscape (SE Spain). <i>Journal of Arid Environments</i> , 2006, 67, 255-269.	2.4	51
18	Middle Triassic carbonate platforms in eastern Iberia: Evolution of their fauna and palaeogeographic significance in the western Tethys. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 417, 236-260.	2.3	46

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19	Don't forget subterranean ecosystems in climate change agendas. <i>Nature Climate Change</i> , 2021, 11, 458-459.	18.8	46
20	Conservation genetics in hypersaline inland waters: mitochondrial diversity and phylogeography of an endangered Iberian beetle (Coleoptera: Hydraenidae). <i>Conservation Genetics</i> , 2006, 8, 79-88.	1.5	44
21	Selecting areas to protect the biodiversity of aquatic ecosystems in a semiarid Mediterranean region using water beetles. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2004, 14, 465-479.	2.0	42
22	A gap analysis comparing the effectiveness of Natura 2000 and national protected area networks in representing European amphibians and reptiles. <i>Biodiversity and Conservation</i> , 2015, 24, 1377-1390.	2.6	39
23	Similarity in the difference: changes in community functional features along natural and anthropogenic stress gradients. <i>Ecology</i> , 2015, 96, 2458-2466.	3.2	39
24	Towards evidence-based conservation of subterranean ecosystems. <i>Biological Reviews</i> , 2022, 97, 1476-1510.	10.4	39
25	The deep subterranean environment as a potential model system in ecological, biogeographical and evolutionary research. <i>Subterranean Biology</i> , 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. <i>Biodiversity and Conservation</i> , 2015, 24, 2459-2473.	2.6	35
27	Integrative taxonomy and conservation of cryptic beetles in the Mediterranean region (Hydrophilidae). <i>Zoologica Scripta</i> , 2013, 42, 182-200.	1.7	34
28	Thermal niche estimators and the capability of poor dispersal species to cope with climate change. <i>Scientific Reports</i> , 2016, 6, 23381.	3.3	34
29	Assessing the Congruence of Thermal Niche Estimations Derived from Distribution and Physiological Data. A Test Using Diving Beetles. <i>PLoS ONE</i> , 2012, 7, e48163.	2.5	33
30	Preserving the evolutionary history of freshwater biota in Iberian National Parks. <i>Biological Conservation</i> , 2013, 162, 116-126.	4.1	32
31	Brazilian cave heritage under siege. <i>Science</i> , 2022, 375, 1238-1239.	12.6	32
32	A conservation roadmap for the subterranean biome. <i>Conservation Letters</i> , 2021, 14, e12834.	5.7	31
33	Do protected areas represent species' optimal climatic conditions? A test using Iberian water beetles. <i>Diversity and Distributions</i> , 2013, 19, 1407-1417.	4.1	30
34	Using null models to identify under-represented species in protected areas: A case study using European amphibians and reptiles. <i>Biological Conservation</i> , 2015, 184, 290-299.	4.1	30
35	Lack of evolutionary adjustment to ambient temperature in highly specialized cave beetles. <i>BMC Evolutionary Biology</i> , 2015, 15, 10.	3.2	30
36	Functional redundancy as a tool for bioassessment: A test using riparian vegetation. <i>Science of the Total Environment</i> , 2016, 566-567, 1268-1276.	8.0	29

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37	Reduced salinities compromise the thermal tolerance of hypersaline specialist diving beetles. <i>Physiological Entomology</i> , 2010, 35, 265-273.	1.5	28
38	Aquatic macroinvertebrate biodiversity: patterns and surrogates in mountainous Spanish national parks. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 598-615.	2.0	28
39	How Far Could the Alien Boatman <i>Trichocorixa verticalis verticalis</i> Spread? Worldwide Estimation of Its Current and Future Potential Distribution. <i>PLoS ONE</i> , 2013, 8, e59757.	2.5	28
40	Thermal niche evolution and geographical range expansion in a species complex of western Mediterranean diving beetles. <i>BMC Evolutionary Biology</i> , 2014, 14, 187.	3.2	27
41	Effectiveness of the Natura 2000 network in protecting Iberian endemic fauna. <i>Animal Conservation</i> , 2018, 21, 262-271.	2.9	26
42	Loss of heat acclimation capacity could leave subterranean specialists highly sensitive to climate change. <i>Animal Conservation</i> , 2021, 24, 482-490.	2.9	25
43	Water beetle biodiversity in Mediterranean standing waters: assemblage composition, environmental drivers and nestedness patterns. <i>Insect Conservation and Diversity</i> , 2012, 5, 146-158.	3.0	24
44	Do all roads lead to Rome? Exploring community trajectories in response to anthropogenic salinization and dilution of rivers. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180009.	4.0	23
45	Climate change-driven body size shrinking in a social wasp. <i>Ecological Entomology</i> , 2020, 45, 130-141.	2.2	23
46	Can we disentangle predator-prey interactions from species distributions at a macro-scale? A case study with a raptor species. <i>Oikos</i> , 2013, 122, 64-72.	2.7	22
47	Assessing potential surrogates of macroinvertebrate diversity in North-African Mediterranean aquatic ecosystems. <i>Ecological Indicators</i> , 2019, 101, 324-329.	6.3	22
48	Habitat type mediates equilibrium with climatic conditions in the distribution of Iberian diving beetles. <i>Global Ecology and Biogeography</i> , 2012, 21, 988-997.	5.8	21
49	Environmental determinants of woody and herbaceous riparian vegetation patterns in a semi-arid mediterranean basin. <i>Hydrobiologia</i> , 2014, 730, 45-57.	2.0	20
50	An interspecific test of Bergmann's rule reveals inconsistent body size patterns across several lineages of water beetles (Coleoptera: Dytiscidae). <i>Ecological Entomology</i> , 2019, 44, 249-254.	2.2	19
51	Matches and mismatches between conservation investments and biodiversity values in the European Union. <i>Conservation Biology</i> , 2018, 32, 109-115.	4.7	18
52	Heat tolerance and acclimation capacity in subterranean arthropods living under common and stable thermal conditions. <i>Ecology and Evolution</i> , 2019, 9, 13731-13739.	1.9	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. <i>BMC Ecology</i> , 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. <i>Journal for Nature Conservation</i> , 2011, 19, 54-59.	1.8	15
56	Environmental niche divergence between genetically distant lineages of an endangered water beetle. <i>Biological Journal of the Linnean Society</i> , 2011, 103, 891-903.	1.6	15
57	Low effectiveness of the Natura 2000 network in preventing land-use change in bat hotspots. <i>Biodiversity and Conservation</i> , 2017, 26, 1989-2006.	2.6	14
58	Substratum karstificability, dispersal and genetic structure in a strictly subterranean beetle. <i>Journal of Biogeography</i> , 2017, 44, 2527-2538.	3.0	14
59	Assessing the capacity of endemic alpine water beetles to face climate change. <i>Insect Conservation and Diversity</i> , 2020, 13, 271-282.	3.0	14
60	Insect communities in saline waters consist of realized but not fundamental niche specialists. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 374, .	4.0	13
61	Analyse de la vulnérabilité des coléoptères aquatiques dans la rive sud méditerranéenne: cas du Rif Marocain. <i>Annales De La Societe Entomologique De France</i> , 2009, 45, 309-320.	0.9	12
62	Environmental niche and global potential distribution of the giant resin bee <i>Megachile sculpturalis</i> , a rapidly spreading invasive pollinator. <i>Global Ecology and Conservation</i> , 2020, 24, e01365.	2.1	12
63	Climatic stability, not average habitat temperature, determines thermal tolerance of subterranean beetles. <i>Ecology</i> , 2022, 103, .	3.2	12
64	La vulnerabilidad de las especies frente al cambio climático, un reto urgente para la conservación de la biodiversidad. <i>Ecosistemas</i> , 2012, 21, 79-84.	0.4	11
65	Disentangling responses to natural stressor and human impact gradients in river ecosystems across Europe. <i>Journal of Applied Ecology</i> , 2022, 59, 537-548.	4.0	11
66	How complete are insect inventories? An assessment of the british butterfly database highlighting the influence of dynamic distribution shifts on sampling completeness. <i>Biodiversity and Conservation</i> , 2021, 30, 889-902.	2.6	10
67	Assessing the quality and usefulness of different taxonomic groups inventories in a semiarid Mediterranean region. <i>Biodiversity and Conservation</i> , 2012, 21, 1561-1575.	2.6	9
68	A new species of <i>Desmopachria</i> Babington (Coleoptera: Dytiscidae) from Cuba with a prediction of its geographic distribution and notes on other Cuban species of the genus. <i>Zootaxa</i> , 2014, 3753, 585-96.	0.5	9
69	Are patterns of sampling effort and completeness of inventories congruent? A test using databases for five insect taxa in the Iberian Peninsula. <i>Insect Conservation and Diversity</i> , 2022, 15, 406-415.	3.0	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. <i>Journal of Insect Conservation</i> , 2013, 17, 235-244.	1.4	7
72	Use of satellite images to characterize the spatio-temporal dynamics of primary productivity in hotspots of endemic Iberian butterflies. <i>Ecological Indicators</i> , 2019, 106, 105449.	6.3	7

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73	Combined effects of land-use intensification and plant invasion on native communities. <i>Oecologia</i> , 2020, 192, 823-836.	2.0	6
74	<i>Stictonectes abellani</i> sp. n. (Coleoptera: Dytiscidae: Hydroporinae) from the Iberian Peninsula, with notes on the phylogeny, ecology and distribution of the Iberian species of the genus. <i>Zootaxa</i> , 2013, 3745, 533.	0.5	5
75	Range expansion and ancestral niche reconstruction in the Mediterranean diving beetle genus <i>Meladema</i> (Coleoptera, Dytiscidae). <i>Zoologica Scripta</i> , 2017, 46, 445-458.	1.7	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. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 1901-1911.	2.0	5
77	Species traits influence the process of biodiversity inventorying: a case study using the British butterfly database. <i>Insect Conservation and Diversity</i> , 2021, 14, 748-755.	3.0	5
78	Áreas prioritarias de conservación en la cuenca del río Segura utilizando los coleópteros acuáticos 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. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2714-2725.	2.0	4
80	Using local autocorrelation analysis to identify conservation areas: an example considering threatened invertebrate species in Spain. <i>Biodiversity and Conservation</i> , 2012, 21, 2127-2137.	2.6	3
81	On the Iberian endemism <i>Eurylophella iberica</i> Keffermuller and Da Terra 1978 (Ephemeroptera,) Tj ETQq1 1 0.784314 rgBT /Overlock the Natura 2000 network on its protection. <i>Journal of Insect Conservation</i> , 2018, 22, 127-134.	1.4	3
82	Effects of temporal bias on the assessment of an ecological perturbation: a case study of the Prestige oil spill. <i>Environmental Research Letters</i> , 2015, 10, 094006.	5.2	2
83	Vulnerabilidad de las especies de Dytiscidae (Coleoptera) en Cuba. <i>Revista De Biología Tropical</i> , 2018, 66, 709.	0.4	2
84	Atlas of Iberian water beetles (ESACIB database). <i>ZooKeys</i> , 2015, 520, 147-154.	1.1	2
85	Thermal tolerance and vulnerability to climate change in subterranean species: a case study using an Iberian endemic pseudoscorpion. <i>Insect Conservation and Diversity</i> , 0, , .	3.0	2
86	Lack of congruence between fundamental and realised aridity niche in a lineage of water beetles. <i>Freshwater Biology</i> , 2022, 67, 1214-1227.	2.4	2
87	A general lack of complete inventories for aquatic beetles in Morocco. <i>Journal of Insect Conservation</i> , 2023, 27, 75-85.	1.4	2
88	Traditional small waterbodies as key landscape elements for farmland bird conservation in Mediterranean semiarid agroecosystems. <i>Global Ecology and Conservation</i> , 2022, 37, e02183.	2.1	2
89	Advances and links between ecological niche models and phylogeography. <i>Frontiers of Biogeography</i> , 2016, 8, .	1.8	1
90	Limited thermal acclimation capacity in cave beetles. <i>ARPHA Conference Abstracts</i> , 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.	0.2	0
92	The CAVEheAT project: climate change, thermal niche and conservation of subterranean biodiversity. ARPHA Conference Abstracts, 0, 1, .	0.0	0