AndrÃ©s MillÃ¡n

List of Publications by Year
in descending order

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Version: 2024-02-01

92 papers	2,985 citations	159358 30 h-index	197535 49 g-index
99 all docs	99 docs citations	99 times ranked	3126 citing authors

#	Article	IF	Citations
1	Contrasting effects of natural and anthropogenic stressors on beta diversity in river organisms. Global Ecology and Biogeography, 2013, 22, 796-805.	2.7	142
2	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
3	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
4	Response of biotic communities to salinity changes in a Mediterranean hypersaline stream. Saline Systems, 2006, 2, 12.	2.0	106
5	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
6	Mediterranean saline streams in southeast Spain: What do we know?. Journal of Arid Environments, 2011, 75, 1352-1359.	1.2	104
7	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
8	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
9	Bias in freshwater biodiversity sampling: the case of Iberian water beetles. Diversity and Distributions, 2008, 14, 754-762.	1.9	77
10	Are the endemic water beetles of the Iberian Peninsula and the Balearic Islands effectively protected?. Biological Conservation, 2008, 141, 1612-1627.	1.9	75
11	DISPERSE, a trait database to assess the dispersal potential of European aquatic macroinvertebrates. Scientific Data, 2020, 7, 386.	2.4	73
12	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
13	Conservation of Freshwater Biodiversity: a Comparison of Different Area Selection Methods. Biodiversity and Conservation, 2005, 14, 3457-3474.	1.2	63
14	Evaluating drivers of vulnerability to climate change: a guide for insect conservation strategies. Global Change Biology, 2012, 18, 2135-2146.	4.2	63
15	ÂÂCross-taxon congruence in wetlands: Assessing the value of waterbirds as surrogates of macroinvertebrate biodiversity in Mediterranean Ramsar sites. Ecological Indicators, 2015, 49, 204-215.	2.6	63
16	Assessing conservation priorities for insects: status of water beetles in southeast Spain. Biological Conservation, 2005, 121, 79-90.	1.9	60
17	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
18	Inter- and intra-annual variations of macroinvertebrate assemblages are related to the hydroperiod in Mediterranean temporary ponds. Hydrobiologia, 2009, 634, 167-183.	1.0	59

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19	Parallel habitatâ€driven differences in the phylogeographical structure of two independent lineages of Mediterranean saline water beetles. Molecular Ecology, 2009, 18, 3885-3902.	2.0	58
20	Responses of Mediterranean aquatic and riparian communities to human pressures at different spatial scales. Ecological Indicators, 2014, 45, 456-464.	2.6	56
21	The influence of natural flow regimes on macroinvertebrate assemblages in a semiarid Mediterranean basin. Ecohydrology, 2013, 6, 363-379.	1.1	54
22	Irrigation pools as macroinvertebrate habitat in a semi-arid agricultural landscape (SE Spain). Journal of Arid Environments, 2006, 67, 255-269.	1.2	51
23	Functional responses of aquatic macroinvertebrates to flow regulation are shaped by natural flow intermittence in Mediterranean streams. Freshwater Biology, 2019, 64, 1064-1077.	1.2	51
24	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
25	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
26	Similarity in the difference: changes in community functional features along natural and anthropogenic stress gradients. Ecology, 2015, 96, 2458-2466.	1.5	39
27	The deep subterranean environment as a potential model system in ecological, biogeographical and evolutionary research. Subterranean Biology, 0, 25, 1-7.	5.0	37
28	Integrative taxonomy and conservation of cryptic beetles in the Mediterranean region (Hydrophilidae). Zoologica Scripta, 2013, 42, 182-200.	0.7	34
29	An Ecological Integrity Index for Littoral Wetlands in Agricultural Catchments of Semiarid Mediterranean Regions. Environmental Management, 2004, 33, 412-430.	1.2	33
30	The Comparative Osmoregulatory Ability of Two Water Beetle Genera Whose Species Span the Fresh-Hypersaline Gradient in Inland Waters (Coleoptera: Dytiscidae, Hydrophilidae). PLoS ONE, 2015, 10, e0124299.	1.1	33
31	Preserving the evolutionary history of freshwater biota in Iberian National Parks. Biological Conservation, 2013, 162, 116-126.	1.9	32
32	Tempo and mode of the multiple origins of salinity tolerance in a water beetle lineage. Molecular Ecology, 2014, 23, 360-373.	2.0	32
33	Aquatic insects in a multistress environment: cross-tolerance to salinity and desiccation. Journal of Experimental Biology, 2017, 220, 1277-1286.	0.8	31
34	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
35	Biological invasion modifies the coâ€occurrence patterns of insects along a stress gradient. Functional Ecology, 2017, 31, 1957-1968.	1.7	30
36	How well do protected area networks support taxonomic and functional diversity in non-target taxa? The case of Iberian freshwaters. Biological Conservation, 2015, 187, 134-144.	1.9	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	Water beetle tolerance to salinity and anionic composition and its relationship to habitat occupancy. Journal of Insect Physiology, 2013, 59, 1076-1084.	0.9	27
41	Freshwater ecosystems and aquatic insects: a paradox in biological invasions. Biology Letters, 2016, 12, 20151075.	1.0	26
42	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
43	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
44	Aquatic insects dealing with dehydration: do desiccation resistance traits differ in species with contrasting habitat preferences?. PeerJ, 2016, 4, e2382.	0.9	22
45	The contribution of standing waters to aquatic biodiversity: the case of water beetles in southeastern Iberia. Aquatic Ecology, 2010, 44, 205-216.	0.7	21
46	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
47	Effects of dilution stress on the functioning of a saline Mediterranean stream. Hydrobiologia, 2009, 619, 119-132.	1.0	20
48	Concordance between realised and fundamental niches in three Iberian <i>Sigara</i> species (Hemiptera: Corixidae) along a gradient of salinity and anionic composition. Freshwater Biology, 2012, 57, 2580-2590.	1.2	20
49	What traits underpin the successful establishment and spread of the invasive water bug Trichocorixa verticalis verticalis?. Hydrobiologia, 2016, 768, 273-286.	1.0	20
50	The chicken or the egg? Adaptation to desiccation and salinity tolerance in a lineage of water beetles. Molecular Ecology, 2017, 26, 5614-5628.	2.0	18
51	The Hydradephaga of the Segura basin (SE Spain): twentyfive years studying water beetles (Coleoptera). Memorie Della SocietÃ Entomologica Italiana, 2006, 85, 137.	0.1	17
52	Evaluating anthropogenic impacts on naturally stressed ecosystems: Revisiting river classifications and biomonitoring metrics along salinity gradients. Science of the Total Environment, 2019, 658, 912-921.	3.9	17
53	Are patterns in the taxonomic, biological and ecological traits of water beetles congruent in Mediterranean ecosystems?. Freshwater Biology, 2012, 57, 2192-2210.	1.2	16
54	Metabolic and reproductive plasticity of core and marginal populations of the eurythermic saline water bug Sigara selecta (Hemiptera: Corixidae) in a climate change context. Journal of Insect Physiology, 2017, 98, 59-66.	0.9	16

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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	New data on the distribution of aquatic bugs (Hemiptera) from eastern Morocco with notes on chorology. Zootaxa, 2018, 4459, 139.	0.2	15
58	Lethal and sublethal behavioural responses of saline water beetles to acute heat and osmotic stress. Ecological Entomology, 2012, 37, 508-520.	1.1	14
59	Short-Term Responses of Aquatic and Terrestrial Biodiversity to Riparian Restoration Measures Designed to Control the Invasive Arundo donax L.. Water (Switzerland), 2019, 11, 2551.	1.2	14
60	Assessing the capacity of endemic alpine water beetles to face climate change. Insect Conservation and Diversity, 2020, 13, 271-282.	1.4	14
61	The alien boatman Trichocorixa verticalis verticalis (Hemiptera: Corixidae) is expanding in Morocco. , 2020, 39, 49-59.		14
62	TheAGABUS(GAURODYTES)BRUNNEUSGroup, With Description of a New Species from the Western Mediterranean (Coleoptera: Dytiscidae). The Coleopterists Bulletin, 2001, 55, 107-112.	0.1	13
63	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
64	Cuticle hydrocarbons in saline aquatic beetles. PeerJ, 2017, 5, e3562.	0.9	13
65	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
66	Impact of chronic and pulse dilution disturbances on metabolism and trophic structure in a saline Mediterranean stream. Hydrobiologia, 2012, 686, 225-239.	1.0	12
67	Evolution of salinity tolerance in the diving beetle tribe Hygrotini (Coleoptera, Dytiscidae). Zoologica Scripta, 2018, 47, 63-71.	0.7	12
68	Longitudinal distribution of macroinvertebrate in a very wet North African Basin: Oued Melloulou (Morocco). Annales De Limnologie, 2020, 56, 17.	0.6	12
69	The genus Aphelocheirus Westwood, 1833 (Hemiptera: Aphelocheiridae) in the Iberian Peninsula. Zootaxa, 2011, 2771, 1.	0.2	11
70	Physiological niche and geographical range in European diving beetles (Coleoptera: Dytiscidae). Biology Letters, 2016, 12, 20160130.	1.0	11
71	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
72	Cuticle Hydrocarbons Show Plastic Variation under Desiccation in Saline Aquatic Beetles. Insects, 2021, 12, 285.	1.0	10

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73	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
74	A new classification of the tribe Hygrotini Portevin, 1929 (Coleoptera: Dytiscidae: Hydroporinae). Zootaxa, 2017, 4317, 499.	0.2	9
75	Role of cuticle hydrocarbons composition in the salinity tolerance of aquatic beetles. Journal of Insect Physiology, 2019, 117, 103899.	0.9	9
76	Annotated checklist of water scavenger beetles (Coleoptera: Polyphaga: Hydrophilidae) of Morocco. Aquatic Insects, 2021, 42, 91-159.	0.6	9
77	Threatened endemic water beetles from Morocco. Journal of Insect Conservation, 2021, 25, 465-477.	0.8	8
78	Genomic data support multiple introductions and explosive demographic expansions in a highly invasive aquatic insect. Molecular Ecology, 2021, 30, 4189-4203.	2.0	8
79	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
80	A new species of Aphelocheirus (Hemiptera: Heteroptera: Aphelocheiridae)Âfrom Morocco. Zootaxa, 2016, 4173, 577.	0.2	6
81	DistribuciÃ³n espacial de los Adephaga acuÃ¡ticos (Coleoptera) en la cuenca del rio Segura (SE de la) Tj ETQq1 1 0.784314 rgBT /Overlo	[illegible]	6
82	<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
83	Are aquatic Hemiptera good indicators of environmental river conditions?. Aquatic Ecology, 2021, 55, 791-806.	0.7	5
84	An updated checklist of Gyrinidae, Haliplidae, Noteridae, Hygrobiidae and Dytiscidae (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	5
85	Cryptic lineages, cryptic barriers: historical seascapes and oceanic fronts drive genetic diversity in supralittoral rockpool beetles (Coleoptera: Hydraenidae). Zoological Journal of the Linnean Society, 2022, 196, 740-756.	1.0	5
86	Description of Ochthebius (Asiobates) irenae sp. n. (Coleoptera: Hydraenidae) from the Iberian Peninsula, with Notes on its Ecology. Aquatic Insects, 1999, 21, 147-152.	0.6	3
87	Checklist of Moroccan aquatic beetles (Coleoptera: Hydraenidae Mulsant, 1844). New records and updates. Zootaxa, 2022, 5129, 451-504.	0.2	3
88	Atlas of Iberian water beetles (ESACIB database). ZooKeys, 2015, 520, 147-154.	0.5	2
89	Lack of congruence between fundamental and realised aridity niche in a lineage of water beetles. Freshwater Biology, 2022, 67, 1214-1227.	1.2	2
90	Updating the presence, distribution and chorology of Moroccan Dryopoidea (Coleoptera: Elmidae and) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	2

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91	Epibionts on Hydraena species (Coleoptera: Hydraenidae) from high mountain rivers of Pyrenees (Ordesa and Monte Perdido National Park),Âwith the description of a new species. Zootaxa, 2017, 4317, 79.	0.2	1
92	A method for analysing indistinguishable overlapping cohorts in insect secondary production studies. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 989-992.	0.1	0