

Xavier Espadaler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

1,541

citations

22

h-index

35

g-index

93

ext. papers

1,762

ext. citations

2.5

avg, IF

4.48

L-index

#	Paper	IF	Citations
88	Integrative taxonomy reveals cryptic diversity in North American <i>Lasius</i> ants, and an overlooked introduced species.. <i>Scientific Reports</i> , 2022 , 12, 5970	4.9	0
87	Wild boar rooting and rural abandonment may alter food-chain length in arthropod assemblages in a European forest region. <i>Forest Ecology and Management</i> , 2021 , 479, 118583	3.9	1
86	Evolutionary history of inquiline social parasitism in <i>Plagiolepis</i> ants. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 155, 107016	4.1	4
85	Facilitation and biodiversity jointly drive mutualistic networks. <i>Journal of Ecology</i> , 2021 , 109, 2029-2037	6	4
84	Distinct macroinvertebrate soil food webs at one-meter scale in a Mediterranean agroecosystem. <i>Pedobiologia</i> , 2021 , 87-88, 150751	1.7	0
83	Stream distance and vegetation structure are among the major factors affecting various groups of arthropods in non-riparian chestnut forests. <i>Forest Ecology and Management</i> , 2020 , 460, 117860	3.9	3
82	Révision taxonomique du genre <i>Messor</i> (Hymenoptera, Formicidae) au Maghreb et description de <i>Messor hodnii</i> sp. n., une nouvelle espèce de fourmi trouvée en Algérie. <i>Revue Suisse De Zoologie</i> , 2020 , 127, 9	0.3	1
81	Exotic ants from the Maghreb (Hymenoptera, Formicidae) with first report of the hairy alien ant <i>Nylanderia jaegerskioeldi</i> (Mayr) in Algeria. <i>Arxius De Miscellania Zoologica</i> , 2019 , 45-58	0.2	1
80	Differentiating <i>Iberoformica</i> and <i>Formica</i> (<i>Serviformica</i>) with Description of the Sexual Castes of <i>Formica</i> (<i>Serviformica</i>) <i>gerardi</i> Bondroit, 1917 stat. rev.. <i>Sociobiology</i> , 2018 , 65, 463	1.5	2
79	Phylogeny of the ant genus <i>Aphaenogaster</i> (Hymenoptera: Formicidae) in the Iberian Peninsula, with the description of a new species. <i>Sociobiology</i> , 2018 , 65, 215	1.5	2
78	Do Holarctic ant species exist? Trans-Beringian dispersal and homoplasy in the Formicidae. <i>Journal of Biogeography</i> , 2018 , 45, 1917-1928	4.1	17
77	First Report of <i>Lioponera longitarsus</i> Mayr, 1879 (Hymenoptera: Formicidae) in Algeria: An Exotic or a Rare Native Ant Species from North Africa?. <i>African Entomology</i> , 2017 , 25, 428-434	0.5	1
76	<i>Myrmicinosporidium durum</i> in Poland: a new location for this fungal ant endoparasite and updated world distribution. <i>Acta Parasitologica</i> , 2017 , 62, 875-879	1.7	2
75	Differential ant exclusion from canopies shows contrasting top-down effects on community structure. <i>Oecologia</i> , 2016 , 180, 193-203	2.9	10
74	Management implications of earwigs overwintering sites in a Mediterranean citrus grove. <i>International Journal of Pest Management</i> , 2016 , 62, 129-134	1.5	2
73	Banning paraphylies and executing Linnaean taxonomy is discordant and reduces the evolutionary and semantic information content of biological nomenclature. <i>Insectes Sociaux</i> , 2016 , 63, 237-242	1.5	32
72	A First Checklist and Diversity of Ants (Hymenoptera: Formicidae) of the Saline Dry Lake Chott El Hodna in Algeria, a Ramsar Conservation Wetland. <i>African Entomology</i> , 2016 , 24, 143-152	0.5	2

71	Ant-fungus Interactions: <i>Laboulbenia camponoti</i> Batra in Italy and a New Host for <i>L. formicarum</i> Thaxter (Fungi: Ascomycota, Laboulbeniales). <i>Sociobiology</i> , 2016 , 63, 950	1.5	4
70	Variability in individual activity bursts improves ant foraging success. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	6
69	Collapse of the invasive garden ant, <i>Lasius neglectus</i> , populations in four European countries. <i>Biological Invasions</i> , 2016 , 18, 3127-3131	2.7	12
68	Ant community organization along elevational gradients in a temperate ecosystem. <i>Insectes Sociaux</i> , 2015 , 62, 59-71	1.5	10
67	Discovered just before extinction? The first endemic ant from the Balearic Islands (<i>Lasius balearicus</i> sp. nov.) is endangered by climate change. <i>Journal of Biogeography</i> , 2015 , 42, 589-601	4.1	13
66	<i>Rickia lenoirii</i> , a new ectoparasitic species, with comments on world Laboulbeniales associated with ants. <i>Mycoscience</i> , 2015 , 56, 224-229	1.2	15
65	Rapid increase of the parasitic fungus <i>Laboulbenia formicarum</i> in supercolonies of the invasive garden ant <i>Lasius neglectus</i> . <i>Biological Invasions</i> , 2015 , 17, 2795-2801	2.7	11
64	Evaluating the importance of trophobiosis in a Mediterranean ant community: a stable isotope analysis. <i>Insectes Sociaux</i> , 2015 , 62, 81-95	1.5	11
63	Reorientation patterns in central-place foraging: internal clocks and klinokinesis. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130859	4.1	11
62	Physical and land-cover variables influence ant functional groups and species diversity along elevational gradients. <i>Landscape Ecology</i> , 2013 , 28, 1387-1400	4.3	9
61	Island biogeography of mutualistic interaction networks. <i>Journal of Biogeography</i> , 2013 , 40, 2020-2031	4.1	29
60	Ant exclusion in citrus over an 8-year period reveals a pervasive yet changing effect of ants on a Mediterranean spider assemblage. <i>Oecologia</i> , 2013 , 173, 239-48	2.9	9
59	Invasive and socially parasitic ants are good bioindicators of habitat quality in Mediterranean forest remnants in northeast Spain. <i>Ecological Research</i> , 2013 , 28, 1011-1017	1.9	0
58	Bird predation affects diurnal and nocturnal web-building spiders in a Mediterranean citrus grove. <i>Acta Oecologica</i> , 2013 , 47, 74-80	1.7	9
57	Trophic structure of the spider community of a Mediterranean citrus grove: A stable isotope analysis. <i>Basic and Applied Ecology</i> , 2013 , 14, 413-422	3.2	13
56	A preliminary checklist of the ants (Hymenoptera, Formicidae) of Andorra. <i>ZooKeys</i> , 2013 , 13-23	1.2	5
55	An update of the world survey of myrmecochorous dispersal distances. <i>Ecography</i> , 2013 , 36, 1193-1201	6.5	47
54	Abundance, interannual variation and potential pest predator role of two co-occurring earwig species in citrus canopies. <i>Journal of Applied Entomology</i> , 2012 , 136, 501-509	1.7	19

53	Effects of ant competition and bird predation on the spider assemblage of a citrus grove. <i>Basic and Applied Ecology</i> , 2012 , 13, 355-362	3.2	20
52	Trophic diversity in a Mediterranean food webStable isotope analysis of an ant community of an organic citrus grove. <i>Basic and Applied Ecology</i> , 2012 , 13, 587-596	3.2	15
51	Spatial variation in the fatty acid composition of elaiosomes in an ant-dispersed plant: Differences within and between individuals and populations. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012 , 207, 497-502	1.9	10
50	Friend or foe? The role of earwigs in a Mediterranean organic citrus orchard. <i>Biological Control</i> , 2012 , 63, 143-149	3.8	16
49	Substantial, and significant, expansion of ant hosts range for <i>Myrmicinosporidium Hlldobler</i> , 1933 (Fungi). <i>Insectes Sociaux</i> , 2012 , 59, 395-399	1.5	7
48	Seed production and pre-dispersal reproductive losses in the narrow endemic <i>Euphorbia pedroi</i> (Euphorbiaceae). <i>Plant Ecology</i> , 2012 , 213, 581-590	1.7	7
47	Long-term changes and ant-exclusion effects on the true bugs (Hemiptera: Heteroptera) of an organic citrus grove. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 158, 127-131	5.7	8
46	Eight years of ant-exclusion from citrus canopies: effects on the arthropod assemblage and on fruit yield. <i>Agricultural and Forest Entomology</i> , 2012 , 14, 49-57	1.9	28
45	Ecto- and Endoparasitic Fungi on Ants from the Holarctic Region. <i>Psyche: Journal of Entomology</i> , 2012 , 2012, 1-10	0.2	22
44	Foraging Activity of Native Ants on Trees in Forest Fragments Colonized by the Invasive Ant <i>Lasius neglectus</i> . <i>Psyche: Journal of Entomology</i> , 2012 , 2012, 1-9	0.2	3
43	Extreme reproduction and survival of a true cliffhanger: the endangered Plant <i>Borderea chouardii</i> (Dioscoreaceae). <i>PLoS ONE</i> , 2012 , 7, e44657	3.7	16
42	Species richness-environment relationships of European arthropods at two spatial grains: habitats and countries. <i>PLoS ONE</i> , 2012 , 7, e45875	3.7	11
41	Effect of substrate roughness on load selection in the seed-harvester ant <i>Messor barbarus</i> L. (Hymenoptera, Formicidae). <i>Behavioral Ecology and Sociobiology</i> , 2011 , 65, 1763-1771	2.5	12
40	Relative roles of climatic suitability and anthropogenic influence in determining the pattern of spread in a global invader. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 220-5	11.5	110
39	Ant versus bird exclusion effects on the arthropod assemblage of an organic citrus grove. <i>Ecological Entomology</i> , 2010 , 35, 367-376	2.1	30
38	The impact of specialist and generalist pre-dispersal seed predators on the reproductive output of a common and a rare <i>Euphorbia</i> species. <i>Acta Oecologica</i> , 2010 , 36, 227-233	1.7	8
37	A simple method to differentially exclude ants from tree canopies based on ant body size. <i>Methods in Ecology and Evolution</i> , 2010 , 1, 188-191	7.7	4
36	Dispersal mechanisms of the narrow endemic <i>Polygala vayredae</i> : dispersal syndromes and spatio-temporal variations in ant dispersal assemblages. <i>Plant Ecology</i> , 2010 , 207, 359-372	1.7	12

35	Plant fecundity and pre-dispersal reproductive losses in a common and a rare Euphorbia species (Euphorbiaceae). <i>Ecological Research</i> , 2010 , 25, 447-456	1.9	7
34	Determinants of local ant (Hymenoptera: Formicidae) species richness and activity density across Europe. <i>Ecological Entomology</i> , 2009 , 34, 748-754	2.1	10
33	Testing a new model of aphid abundance with sedentary and non-sedentary predators. <i>Ecological Modelling</i> , 2009 , 220, 2469-2480	3	25
32	Effects of the concurrent exclusion of ants and earwigs on aphid abundance in an organic citrus grove. <i>BioControl</i> , 2009 , 54, 515-527	2.3	37
31	Honeydew collection by the invasive garden ant <i>Lasius neglectus</i> versus the native ant <i>L. grandis</i> . <i>Arthropod-Plant Interactions</i> , 2009 , 3, 75-85	2.2	26
30	Intercontinental union of Argentine ants: behavioral relationships among introduced populations in Europe, North America, and Asia. <i>Insectes Sociaux</i> , 2009 , 56, 143-147	1.5	26
29	Organic versus conventional management in an apple orchard: effects of fertilization and tree-row management on ground-dwelling predaceous arthropods. <i>Agricultural and Forest Entomology</i> , 2009 , 11, 133-142	1.9	28
28	The evolution of invasiveness in garden ants. <i>PLoS ONE</i> , 2008 , 3, e3838	3.7	62
27	Mechanical defence in seeds to avoid predation by a granivorous ant. <i>Die Naturwissenschaften</i> , 2008 , 95, 501-6	2	11
26	Abandoning aggression but maintaining self-nonsel discrimination as a first stage in ant supercolony formation. <i>Current Biology</i> , 2007 , 17, 1903-7	6.3	30
25	Regional trends and preliminary results on the local expansion rate in the invasive garden ant, <i>Lasius neglectus</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2007 , 54, 293-301	1.5	22
24	Long-term impact of exotic ants on the native ants of Madeira. <i>Ecological Entomology</i> , 2006 , 31, 358-368	2.1	37
23	Ant behaviour and seed morphology: a missing link of myrmecochory. <i>Oecologia</i> , 2005 , 146, 244-6	2.9	38
22	Isolation of polymorphic microsatellite loci for the study of habitat fragmentation in the harvester ant <i>Messor structor</i> . <i>Conservation Genetics</i> , 2005 , 6, 859-861	2.6	8
21	Phylogeny and bionomics of <i>Lasius austriacus</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2004 , 51, 24-29	1.5	22
20	Queen number in a supercolony of the invasive garden ant, <i>Lasius neglectus</i> . <i>Insectes Sociaux</i> , 2004 , 51, 232	1.5	17
19	Seed predation of the tussock-grass <i>Stipa tenacissima</i> L. by ants (<i>Messor</i> spp.) in south-eastern Spain: the adaptive value of trypanocarp. <i>Journal of Arid Environments</i> , 2004 , 56, 43-61	2.5	35
18	Biological constraints and colony founding in the polygynous invasive ant <i>Lasius neglectus</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2001 , 48, 159-164	1.5	22

17	Formicine ants comply with the size-grain hypothesis. <i>Functional Ecology</i> , 2001 , 15, 136-138	5.6	22
16	Ant predation and the cost of egg carrying in the golden egg bug: experiments in the field. <i>Oikos</i> , 2000 , 89, 254-258	4	15
15	Seed dispersal curve of a Mediterranean myrmecochore: Influence of ant size and the distance to nests. <i>Ecological Research</i> , 1998 , 13, 347-354	1.9	30
14	Myrmecochorous dispersal distances: a world survey. <i>Journal of Biogeography</i> , 1998 , 25, 573-580	4.1	149
13	Soil surface searching and transport of Euphorbia characias seeds by ants. <i>Acta Oecologica</i> , 1997 , 18, 39-46	1.7	31
12	Seed production, predation and dispersal in the Mediterranean myrmecochore Euphorbia characias (Euphorbiaceae). <i>Ecography</i> , 1996 , 19, 7-15	6.5	50
11	Ant pollination of the palaeoendemic dioecious <i>Borderea pyrenaica</i> (Dioscoreaceae). <i>Plant Systematics and Evolution</i> , 1995 , 198, 17-27	1.3	46
10	Seed-Robbing between Ant Species Intervenes in the Myrmecochory of Euphorbia characias (Euphorbiaceae). <i>Psyche: Journal of Entomology</i> , 1995 , 102, 19-25	0.2	8
9	Stimulus integration in Tenebrio larvae: an easy laboratory study (or how to show Euclidean larvae). <i>Journal of Biological Education</i> , 1994 , 28, 130-134	0.9	1
8	Curva de dispersi3 de semillas por hormigas en Euphorbia characias L. y Euphorbia nicaeensis All. (Euphorbiaceae).. <i>Ecologia Mediterranea</i> , 1994 , 20, 51-59	0	11
7	Arthropod corpses in a temperate grassland: a limited supply?. <i>Ecography</i> , 1991 , 14, 63-67	6.5	5
6	Rareness of certain Mediterranean ant species: fact or artifact?. <i>Insectes Sociaux</i> , 1991 , 38, 365-377	1.5	15
5	A new myrmecophilic Hyphomycete, <i>Aegeritella maroccana</i> sp. nov.. <i>Mycological Research</i> , 1990 , 94, 273-275		1
4	Nectar thievery by ants from southern Spanish insect-pollinated flowers. <i>Insectes Sociaux</i> , 1984 , 31, 142-154		35
3	Redescription de <i>Leptothorax grouvellei</i> Bondroit, 1918. Notes biologiques et 6ologiques (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 1983 , 30, 274-286	1.5	1
2	Two additions to the Iberian myrmecofauna: <i>Crematogaster inermis</i> Mayr, 1862, a newly established, tree-nesting species, and <i>Trichomyrmex mayri</i> (Forel, 1902), an emerging exotic species temporarily nesting in Spain (Hymenoptera, Formicidae). <i>Journal of Hymenoptera Research</i> , 1978 , 57-68	0	1
1	First record of <i>Pheidole indica</i> Mayr, 1879 (Hymenoptera, Formicidae) in Algeria (North Africa) and its relationships with local Hemipterans. <i>Arxius De Miscellania Zoologica</i> , 1-11	0.2	