

Xavier Espadaler

List of Publications by Citations

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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 | Myrmecochorous dispersal distances: a world survey. <i>Journal of Biogeography</i> , 1998 , 25, 573-580 | 4.1 | 149 |
| 87 | 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 |
| 86 | The evolution of invasiveness in garden ants. <i>PLoS ONE</i> , 2008 , 3, e3838 | 3.7 | 62 |
| 85 | Seed production, predation and dispersal in the Mediterranean myrmecochore <i>Euphorbia characias</i> (Euphorbiaceae). <i>Ecography</i> , 1996 , 19, 7-15 | 6.5 | 50 |
| 84 | An update of the world survey of myrmecochorous dispersal distances. <i>Ecography</i> , 2013 , 36, 1193-1201 | 6.5 | 47 |
| 83 | Ant pollination of the palaeoendemic dioecious <i>Borderea pyrenaica</i> (Dioscoreaceae). <i>Plant Systematics and Evolution</i> , 1995 , 198, 17-27 | 1.3 | 46 |
| 82 | Ant behaviour and seed morphology: a missing link of myrmecochory. <i>Oecologia</i> , 2005 , 146, 244-6 | 2.9 | 38 |
| 81 | 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 |
| 80 | Long-term impact of exotic ants on the native ants of Madeira. <i>Ecological Entomology</i> , 2006 , 31, 358-368 | 2.1 | 37 |
| 79 | 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 trypanocarpny. <i>Journal of Arid Environments</i> , 2004 , 56, 43-61 | 2.5 | 35 |
| 78 | Nectar thievery by ants from southern Spanish insect-pollinated flowers. <i>Insectes Sociaux</i> , 1984 , 31, 142-154 | 1.5 | 35 |
| 77 | 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 |
| 76 | Soil surface searching and transport of <i>Euphorbia characias</i> seeds by ants. <i>Acta Oecologica</i> , 1997 , 18, 39-46 | 1.7 | 31 |
| 75 | 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 |
| 74 | 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 |
| 73 | Abandoning aggression but maintaining self-nonsel self discrimination as a first stage in ant supercolony formation. <i>Current Biology</i> , 2007 , 17, 1903-7 | 6.3 | 30 |
| 72 | Island biogeography of mutualistic interaction networks. <i>Journal of Biogeography</i> , 2013 , 40, 2020-2031 | 4.1 | 29 |

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|----|--|-----|----|
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | Testing a new model of aphid abundance with sedentary and non-sedentary predators. <i>Ecological Modelling</i> , 2009 , 220, 2469-2480 | 3 | 25 |
| 66 | Ecto- and Endoparasitic Fungi on Ants from the Holarctic Region. <i>Psyche: Journal of Entomology</i> , 2012 , 2012, 1-10 | 0.2 | 22 |
| 65 | 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 |
| 64 | Phylogeny and bionomics of <i>Lasius austriacus</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2004 , 51, 24-29 | 1.5 | 22 |
| 63 | 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 |
| 62 | Formicine ants comply with the size-grain hypothesis. <i>Functional Ecology</i> , 2001 , 15, 136-138 | 5.6 | 22 |
| 61 | 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 |
| 60 | 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 |
| 59 | Queen number in a supercolony of the invasive garden ant, <i>Lasius neglectus</i> . <i>Insectes Sociaux</i> , 2004 , 51, 232 | 1.5 | 17 |
| 58 | Do Holarctic ant species exist? Trans-Beringian dispersal and homoplasmy in the Formicidae. <i>Journal of Biogeography</i> , 2018 , 45, 1917-1928 | 4.1 | 17 |
| 57 | Friend or foe? The role of earwigs in a Mediterranean organic citrus orchard. <i>Biological Control</i> , 2012 , 63, 143-149 | 3.8 | 16 |
| 56 | 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 |
| 55 | <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 |
| 54 | Trophic diversity in a Mediterranean food web: stable isotope analysis of an ant community of an organic citrus grove. <i>Basic and Applied Ecology</i> , 2012 , 13, 587-596 | 3.2 | 15 |

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| 53 | 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 |
| 52 | Rareness of certain Mediterranean ant species: fact or artifact?. <i>Insectes Sociaux</i> , 1991 , 38, 365-377 | 1.5 | 15 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | Reorientation patterns in central-place foraging: internal clocks and klinokinesis. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130859 | 4.1 | 11 |
| 45 | 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 |
| 44 | 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 |
| 43 | Mechanical defence in seeds to avoid predation by a granivorous ant. <i>Die Naturwissenschaften</i> , 2008 , 95, 501-6 | 2 | 11 |
| 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 | Curva de dispersi3 de semillas por hormigas en <i>Euphorbia characias</i> L. y <i>Euphorbia nicaeensis</i> All. (Euphorbiaceae).. <i>Ecologia Mediterranea</i> , 1994 , 20, 51-59 | 0 | 11 |
| 40 | Differential ant exclusion from canopies shows contrasting top-down effects on community structure. <i>Oecologia</i> , 2016 , 180, 193-203 | 2.9 | 10 |
| 39 | Ant community organization along elevational gradients in a temperate ecosystem. <i>Insectes Sociaux</i> , 2015 , 62, 59-71 | 1.5 | 10 |
| 38 | 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 |
| 37 | Determinants of local ant (Hymenoptera: Formicidae) species richness and activity density across Europe. <i>Ecological Entomology</i> , 2009 , 34, 748-754 | 2.1 | 10 |
| 36 | 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 |

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|----|--|-----|---|
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | The impact of specialist and generalist pre-dispersal seed predators on the reproductive output of a common and a rare Euphorbia species. <i>Acta Oecologica</i> , 2010 , 36, 227-233 | 1.7 | 8 |
| 31 | 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 |
| 30 | 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 |
| 29 | Substantial, and significant, expansion of ant hosts range for <i>Myrmecinosporidium Hlldobler, 1933</i> (Fungi). <i>Insectes Sociaux</i> , 2012 , 59, 395-399 | 1.5 | 7 |
| 28 | Seed production and pre-dispersal reproductive losses in the narrow endemic Euphorbia pedroi (Euphorbiaceae). <i>Plant Ecology</i> , 2012 , 213, 581-590 | 1.7 | 7 |
| 27 | 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 |
| 26 | Variability in individual activity bursts improves ant foraging success. <i>Journal of the Royal Society Interface</i> , 2016 , 13, | 4.1 | 6 |
| 25 | A preliminary checklist of the ants (Hymenoptera, Formicidae) of Andorra. <i>ZooKeys</i> , 2013 , 13-23 | 1.2 | 5 |
| 24 | Arthropod corpses in a temperate grassland: a limited supply?. <i>Ecography</i> , 1991 , 14, 63-67 | 6.5 | 5 |
| 23 | 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 |
| 22 | 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 |
| 21 | Evolutionary history of inquiline social parasitism in Plagiolepis ants. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 155, 107016 | 4.1 | 4 |
| 20 | Facilitation and biodiversity jointly drive mutualistic networks. <i>Journal of Ecology</i> , 2021 , 109, 2029-2037 | 6 | 4 |
| 19 | 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 |
| 18 | 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 |

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| 17 | Myrmicinosporidium durum 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Differentiating Iberoformica and Formica (Serviformica) with Description of the Sexual Castes of Formica (Serviformica) gerardi Bondroit, 1917 stat. rev.. <i>Sociobiology</i> , 2018 , 65, 463 | 1.5 | 2 |
| 13 | Phylogeny of the ant genus Aphaenogaster (Hymenoptera: Formicidae) in the Iberian Peninsula, with the description of a new species. <i>Sociobiology</i> , 2018 , 65, 215 | 1.5 | 2 |
| 12 | First Report of Lioponera longitarsus 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 |
| 11 | 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 |
| 10 | A new myrmecophilic Hyphomycete, Aegeritella maroccana sp. nov.. <i>Mycological Research</i> , 1990 , 94, 273-275 | | 1 |
| 9 | Redescription de Leptothorax grouvellei Bondroit, 1918. Notes biologiques et écologiques (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 1983 , 30, 274-286 | 1.5 | 1 |
| 8 | Two additions to the Iberian myrmecofauna: Crematogaster inermis Mayr, 1862, a newly established, tree-nesting species, and Trichomyrmex mayri (Forel, 1902), an emerging exotic species temporarily nesting in Spain (Hymenoptera, Formicidae). <i>Journal of Hymenoptera Research</i> , 2019 , 78, 57-68 | 0 | 1 |
| 7 | Exotic ants from the Maghreb (Hymenoptera, Formicidae) with first report of the hairy alien ant Nylanderia jaegerskioeldi (Mayr) in Algeria. <i>Arxius De Miscellania Zoologica</i> , 2019 , 45-58 | 0.2 | 1 |
| 6 | Révision taxonomique du genre Messor (Hymenoptera, Formicidae) au Maghreb et description de Messor hodnii sp. n., une nouvelle espèce de fourmi trouvée en Algérie. <i>Revue Suisse De Zoologie</i> , 2020 , 127, 9 | 0.3 | 1 |
| 5 | 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 |
| 4 | 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 |
| 3 | Distinct macroinvertebrate soil food webs at one-meter scale in a Mediterranean agroecosystem. <i>Pedobiologia</i> , 2021 , 87-88, 150751 | 1.7 | 0 |
| 2 | Integrative taxonomy reveals cryptic diversity in North American Lasius ants, and an overlooked introduced species.. <i>Scientific Reports</i> , 2022 , 12, 5970 | 4.9 | 0 |
| 1 | First record of Pheidole indica Mayr, 1879 (Hymenoptera, Formicidae) in Algeria (North Africa) and its relationships with local Hemipterans. <i>Arxius De Miscellania Zoologica</i> , 2019 , 1-11 | 0.2 | |