# Susana RodrÃ-guez-EcheverrÃ-a

List of Publications by Year
in descending order



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|---|---|---|---|
| 79 papers | 3,230 citations | 101543 36 h-index | 161849 54 g-index |
| 84 all docs | 84 docs citations | 84 times ranked | 3804 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Mechanism of control of rootâ€feeding nematodes by mycorrhizal fungi in the dune grass Ammophila arenaria. New Phytologist, 2006, 169, 829-840. | 7.3 | 166 |
| 2 | A field test of the stress-gradient hypothesis along an aridity gradient. Journal of Vegetation Science, 2011, 22, 818-827. | 2.2 | 153 |
| 3 | Belowground mutualists and the invasive ability of AcaciaÂlongifolia in coastal dunes of Portugal. Biological Invasions, 2009, 11, 651-661. | 2.4 | 116 |
| 4 | Fungal diversity in ancient documents. A case study on the Archive of the University of Coimbra. International Biodeterioration and Biodegradation, 2009, 63, 626-629. | 3.9 | 111 |
| 5 | Differential impact on soil microbes of allelopathic compounds released by the invasive Acacia dealbata Link. Soil Biology and Biochemistry, 2013, 57, 156-163. | 8.8 | 108 |
| 6 | Effect of invasive Acacia dealbata Link on soil microorganisms as determined by PCR-DGGE. Applied Soil Ecology, 2010, 44, 245-251. | 4.3 | 107 |
| 7 | Arbuscular mycorrhizal fungi communities from tropical Africa reveal strong ecological structure. New Phytologist, 2017, 213, 380-390. | 7.3 | 96 |
| 8 | Physiological integration increases the survival and growth of the clonal invader Carpobrotus edulis. Biological Invasions, 2010, 12, 1815-1823. | 2.4 | 95 |
| 9 | Jackâ€ofâ€allâ€trades and master of many? How does associated rhizobial diversity influence the colonization success of Australian Acacia species?. Diversity and Distributions, 2011, 17, 946-957. | 4.1 | 95 |
| 10 | Relationships between biological soil crusts, bacterial diversity and abundance, and ecosystem functioning: Insights from a semi-arid Mediterranean environment. Journal of Vegetation Science, 2011, 22, 165-174. | 2.2 | 95 |
| 11 | Effect of smoke, charred wood, and nitrogenous compounds on seed germination of ten species from woodland in central-western Spain. Journal of Chemical Ecology, 2003, 29, 237-251. | 1.8 | 85 |
| 12 | Genetic Diversity and Differentiation of Juniperus thurifera in Spain and Morocco as Determined by SSR. PLoS ONE, 2014, 9, e88996. | 2.5 | 80 |
| 13 | Impact of wildfire return interval on the ectomycorrhizal resistant propagules communities of a Mediterranean open forest. Fungal Biology, 2010, 114, 628-636. | 2.5 | 77 |
| 14 | Differential effectiveness of novel and old legumeâ€“rhizobia mutualisms: implications for invasion by exotic legumes. Oecologia, 2012, 170, 253-261. | 2.0 | 71 |
| 15 | A role for belowâ€ground biota in plantâ€“plant facilitation. Journal of Ecology, 2013, 101, 1420-1428. | 4.0 | 66 |
| 16 | Analysis of the legume-rhizobia symbiosis in shrubs from central western Spain. Journal of Applied Microbiology, 2003, 95, 1367-1374. | 3.1 | 64 |
| 17 | Rhizobial hitchhikers from Down Under: invasional meltdown in a plantâ€“bacteria mutualism?. Journal of Biogeography, 2010, 37, 1611-1622. | 3.0 | 64 |
| 18 | Co-introduction of exotic rhizobia to the rhizosphere of the invasive legume Acacia saligna, an intercontinental study. Applied Soil Ecology, 2013, 64, 118-126. | 4.3 | 61 |

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|---|---|---|---|
| 19 | Plant-soil feedback as a mechanism of invasion by Carpobrotus edulis. Biological Invasions, 2010, 12, 3637-3648. | 2.4 | 60 |
| 20 | Influence of soil microbiota in nurse plant systems. Functional Ecology, 2016, 30, 30-40. | 3.6 | 59 |
| 21 | The effect of soil legacy on competition and invasion by Acacia dealbata Link. Plant Ecology, 2013, 214, 1139-1146. | 1.6 | 58 |
| 22 | Soil fertility and herb facilitation mediated by Retama sphaerocarpa. Journal of Vegetation Science, 2003, 14, 807-814. | 2.2 | 57 |
| 23 | Diversity of AMF associated with Ammophila arenaria ssp. arundinacea in Portuguese sand dunes. Mycorrhiza, 2006, 16, 543-552. | 2.8 | 55 |
| 24 | Nematode Interactions in Nature: Models for Sustainable Control of Nematode Pests of Crop Plants?. Advances in Agronomy, 2006, 89, 227-260. | 5.2 | 54 |
| 25 | Multilayer networks reveal the spatial structure of seed-dispersal interactions across the Great Rift landscapes. Nature Communications, 2018, 9, 140. | 12.8 | 52 |
| 26 | Refaunation and the reinstatement of the seedâ€dispersal function in Gorongosa National Park. Conservation Biology, 2017, 31, 76-85. | 4.7 | 49 |
| 27 | First evidence for the joint dispersal of mycorrhizal fungi and plant diaspores by birds. New Phytologist, 2019, 222, 1054-1060. | 7.3 | 48 |
| 28 | Arbuscular mycorrhizal fungi of Ammophila arenaria (L.) Link: Spore abundance and root colonisation in six locations of the European coast. European Journal of Soil Biology, 2008, 44, 30-36. | 3.2 | 46 |
| 29 | Developmentally-programmed division of labour in the clonal invader Carpobrotus edulis. Biological Invasions, 2013, 15, 1895-1905. | 2.4 | 45 |
| 30 | Adaptive plasticity to heterogeneous environments increases capacity for division of labor in the clonal invader Carpobrotus edulis (Aizoaceae). American Journal of Botany, 2014, 101, 1301-1308. | 1.7 | 45 |
| 31 | The shift from plantâ€“plant facilitation to competition under severe water deficit is spatially explicit. Ecology and Evolution, 2017, 7, 2441-2448. | 1.9 | 45 |
| 32 | Evidence for enemy release and increased seed production and size for two invasive Australian acacias. Journal of Ecology, 2016, 104, 1391-1399. | 4.0 | 44 |
| 33 | Potential use of Iberian shrubby legumes and rhizobia inoculation in revegetation projects under acidic soil conditions. Applied Soil Ecology, 2005, 29, 203-208. | 4.3 | 39 |
| 34 | Genetic Diversity of Rhizobia Associated with Acacia longifolia in Two Stages of Invasion of Coastal Sand Dunes. Applied and Environmental Microbiology, 2007, 73, 5066-5070. | 3.1 | 38 |
| 35 | Reproductive biology and success of invasive Australian acacias in Portugal. Botanical Journal of the Linnean Society, 2014, 174, 574-588. | 1.6 | 37 |
| 36 | Invasion genetics of the <scp>B</scp>ermuda buttercup (<scp>O</scp>xalis pesâ€caprae): complex intercontinental patterns of genetic diversity, polyploidy and heterostyly characterize both native and introduced populations. Molecular Ecology, 2015, 24, 2143-2155. | 3.9 | 37 |

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|---|---|---|---|
| 37 | Disparate origins ofBradyrhizobiumsymbionts for invasive populations ofCytisus scoparius(Leguminosae) in North America. FEMS Microbiology Ecology, 2014, 89, 89-98. | 2.7 | 34 |
| 38 | Contrasting soil fungal communities in Mediterranean pine forests subjected to different wildfire frequencies. Fungal Diversity, 2015, 70, 85-99. | 12.3 | 33 |
| 39 | Is the potential for the formation of common mycorrhizal networks influenced byÂfire frequency?. Soil Biology and Biochemistry, 2012, 46, 136-144. | 8.8 | 32 |
| 40 | Should I stay or should I go? Mycorrhizal plants are more likely to invest in longâ€distance seed dispersal than nonâ€mycorrhizal plants. Ecology Letters, 2018, 21, 683-691. | 6.4 | 31 |
| 41 | Arbuscular mycorrhizal fungi in Mimosa tenuiflora (Willd.) Poir from Brazilian semi-arid. Brazilian Journal of Microbiology, 2016, 47, 359-366. | 2.0 | 30 |
| 42 | Impacts of the alien trees Ailanthus altissima (Mill.) Swingle and Robinia pseudoacacia L. on soil nutrients and microbial communities. Soil Biology and Biochemistry, 2016, 96, 65-73. | 8.8 | 29 |
| 43 | Can root-feeders alter the composition of AMF communities? Experimental evidence from the dune grass Ammophila arenaria. Basic and Applied Ecology, 2009, 10, 131-140. | 2.7 | 26 |
| 44 | Complex patterns in tolerance and resistance to pests and diseases underpin the domestication of tomato. New Phytologist, 2020, 226, 254-266. | 7.3 | 24 |
| 45 | Influence of soil microorganisms, allelopathy and soil origin on the establishment of the invasive Acacia dealbata. Plant Ecology and Diversity, 2012, 5, 67-73. | 2.4 | 23 |
| 46 | Effect of physiological integration in self/non-self genotype recognition on the clonal invader Carpobrotus edulis. Journal of Plant Ecology, 2014, 7, 413-418. | 2.3 | 21 |
| 47 | Could biological invasion by Cryptostegia madagascariensis alter the composition of the arbuscular mycorrhizal fungal community in semi-arid Brazil?. Acta Botanica Brasilica, 2016, 30, 93-101. | 0.8 | 21 |
| 48 | Two invasive acacia species secure generalist pollinators in invaded communities. Acta Oecologica, 2016, 74, 46-55. | 1.1 | 20 |
| 49 | Species composition of arbuscular mycorrhizal fungi differ in semi-natural and intensively managed pastures in an isolated oceanic island (Terceira, Azores). Symbiosis, 2014, 64, 73-85. | 2.3 | 18 |
| 50 | Trends in plant and soil microbial diversity associated with Mediterranean extensive cerealâ€“fallow rotation agro-ecosystems. Agriculture, Ecosystems and Environment, 2016, 217, 33-40. | 5.3 | 17 |
| 51 | Mimicking a rainfall gradient to test the role of soil microbiota for mediating plant responses to drier conditions. Oikos, 2018, 127, 1776-1786. | 2.7 | 17 |
| 52 | Landâ€use history alters the diversity, community composition and interaction networks of ectomycorrhizal fungi in beech forests. Journal of Ecology, 2021, 109, 2856-2870. | 4.0 | 17 |
| 53 | Genetic diversity of root nodulating bacteria associated with Retama sphaerocarpa in sites with different soil and environmental conditions. Systematic and Applied Microbiology, 2014, 37, 305-310. | 2.8 | 16 |
| 54 | Exploring the use of residues from the invasive Acacia sp. for weed control. Renewable Agriculture and Food Systems, 2020, 35, 26-37. | 1.8 | 16 |

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|---|---|---|---|
| 55 | Genetic Diversity and Differentiation of Ammophila arenaria (L.) Link as Revealed by ISSR Markers. Journal of Coastal Research, 2008, 241, 122-126. | 0.3 | 14 |
| 56 | Pre-dispersal predation effect on seed packaging strategies and seed viability. Oecologia, 2016, 180, 91-102. | 2.0 | 14 |
| 57 | Reproductive success of Acacia longifolia (Fabaceae, Mimosoideae) in native and invasive populations. Australian Journal of Botany, 2015, 63, 387. | 0.6 | 13 |
| 58 | Changes in microhabitat, but not allelopathy, affect plant establishment afterAcacia dealbatainvasion. Journal of Plant Ecology, 2016, , rtw061. | 2.3 | 13 |
| 59 | Putative linkages between below- and aboveground mutualisms during alien plant invasions. AoB PLANTS, 2015, 7, plv062. | 2.3 | 12 |
| 60 | Identification of symbiotic nitrogen-fixing bacteria from three African leguminous trees in Gorongosa National Park. Systematic and Applied Microbiology, 2016, 39, 350-358. | 2.8 | 12 |
| 61 | Inconsistency in the detection of phytotoxic effects: A test with Acacia dealbata extracts using two different methods. Phytochemistry Letters, 2016, 15, 190-198. | 1.2 | 11 |
| 62 | Diversity of soil basidiomycete communities associated with Quercus suber L. in Portuguese montados. European Journal of Soil Biology, 2010, 46, 280-287. | 3.2 | 10 |
| 63 | Azorella Cushion Plants and Aridity are Important Drivers of Soil Microbial Communities in Andean Ecosystems. Ecosystems, 2021, 24, 1576-1590. | 3.4 | 10 |
| 64 | No allelopathic effect of the invader Acacia dealbata on the potential infectivity of arbuscular mycorrhizal fungi from native soils. European Journal of Soil Biology, 2013, 58, 42-44. | 3.2 | 8 |
| 65 | Seasonal variation in AMF colonisation, soil and plant nutrient content in gypsum specialist and generalist species growing in P-poor soils. Plant and Soil, 0, , 1. | 3.7 | 8 |
| 66 | Diminishing importance of elaiosomes for acacia seed removal in non-native ranges. Evolutionary Ecology, 2018, 32, 601-621. | 1.2 | 6 |
| 67 | Integrating plant species contribution to mycorrhizal and seed dispersal mutualistic networks. Biology Letters, 2019, 15, 20180770. | 2.3 | 6 |
| 68 | Azorella compacta : survival champions in extreme, highâ€elevation environments. Ecosphere, 2020, 11, e03031. | 2.2 | 6 |
| 69 | Transplanting native woody legumes: a suitable option for the revegetation of coastal dunes. Ecological Research, 2015, 30, 49-55. | 1.5 | 3 |
| 70 | Variation in seed packaging of a fleshyâ€fruited conifer provides insights into the ecology and evolution of multiâ€seeded fruits. Plant Biology, 2017, 19, 533-541. | 3.8 | 3 |
| 71 | Funneliformis mosseae and Invasion by Exotic Legumes in a Brazilian Tropical Seasonal Dry Forest. Russian Journal of Ecology, 2018, 49, 500-506. | 0.9 | 2 |
| 72 | I Simposio sobre interacciones planta-suelo (Madrid, 25-26 febrero 2016). Ecosistemas, 2016, 25, 114. | 0.4 | 2 |

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|---|---|---|---|
| 73 | Nuevos tiempos, nuevos cambios tambiÃ©n para Ecosistemas. Ecosistemas, 2021, 30, 2213. | 0.4 | 0 |
| 74 | Biodiversity and Interactions in the Rhizosphere. Books in Soils, Plants, and the Environment, 2007, , . | 0.1 | 0 |
| 75 | Is there a bias in participation and visibility against women in ecology? A comparison between Iberian and Swiss conferences. , 2016, 25, 105-111. | | 0 |
| 76 | Premio al mejor revisor de Ecosistemas del bienio 2015-2016. Ecosistemas, 2017, 26, 89-89. | 0.4 | 0 |
| 77 | Ecosistemas: seguimos creciendo. Ecosistemas, 2017, 26, 86-87. | 0.4 | 0 |
| 78 | Premio â€œEcosistemasâ€•al mejor resumen de Tesis Doctoral publicado en 2016. Ecosistemas, 2017, 26, 90-90. | 0.4 | 0 |
| 79 | Invasional meltdown via horizontal gene transfer of a European symbiosis island variant in North American nodule symbionts of Cytisus scoparius. Biological Invasions, 0, , 1. | 2.4 | 0 |