# Luisa Carvalheiro

List of Publications by Year
in descending order



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|---|---|---|---|
| 66 papers | 9,677 citations | 117625 34 h-index | 114465 63 g-index |
| 70 all docs | 70 docs citations | 70 times ranked | 8077 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611. | 12.6 | 1,767 |
| 2 | A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. Ecology Letters, 2013, 16, 584-599. | 6.4 | 875 |
| 3 | Stability of pollination services decreases with isolation from natural areas despite honey bee visits. Ecology Letters, 2011, 14, 1062-1072. | 6.4 | 681 |
| 4 | Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. Nature Communications, 2015, 6, 7414. | 12.8 | 656 |
| 5 | Non-bee insects are important contributors to global crop pollination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 146-151. | 7.1 | 618 |
| 6 | A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121. | 10.3 | 524 |
| 7 | Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7863-E7870. | 7.1 | 401 |
| 8 | From research to action: enhancing crop yield through wild pollinators. Frontiers in Ecology and the Environment, 2014, 12, 439-447. | 4.0 | 363 |
| 9 | Mutually beneficial pollinator diversity and crop yield outcomes in small and large farms. Science, 2016, 351, 388-391. | 12.6 | 342 |
| 10 | Species richness declines and biotic homogenisation have slowed down for <scp>NW</scp>â€European pollinators and plants. Ecology Letters, 2013, 16, 870-878. | 6.4 | 305 |
| 11 | A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. Global Change Biology, 2017, 23, 4946-4957. | 9.5 | 259 |
| 12 | Natural and within-farmland biodiversity enhances crop productivity. Ecology Letters, 2011, 14, 251-259. | 6.4 | 248 |
| 13 | Fit-for-Purpose: Species Distribution Model Performance Depends on Evaluation Criteria â€“ Dutch Hoverflies as a Case Study. PLoS ONE, 2013, 8, e63708. | 2.5 | 207 |
| 14 | Pollination services decline with distance from natural habitat even in biodiversityâ€rich areas. Journal of Applied Ecology, 2010, 47, 810-820. | 4.0 | 201 |
| 15 | The potential for indirect effects between coâ€flowering plants via shared pollinators depends on resource abundance, accessibility and relatedness. Ecology Letters, 2014, 17, 1389-1399. | 6.4 | 172 |
| 16 | EDITOR'S CHOICE: REVIEW: Trait matching of flower visitors and crops predicts fruit set better than trait diversity. Journal of Applied Ecology, 2015, 52, 1436-1444. | 4.0 | 136 |
| 17 | Creating patches of native flowers facilitates crop pollination in large agricultural fields: mango as a case study. Journal of Applied Ecology, 2012, 49, 1373-1383. | 4.0 | 128 |
| 18 | The impact of over 80 years of land cover changes on bee and wasp pollinator communities in England. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150294. | 2.6 | 120 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Pollinator conservationâ€"the difference between managing for pollination services and preserving pollinator diversity. Current Opinion in Insect Science, 2015, 12, 93-101. | 4.4 | 118 |
| 20 | Apparent competition can compromise the safety of highly specific biocontrol agents. Ecology Letters, 2008, 11, 690-700. | 6.4 | 97 |
| 21 | Ecological specialization matters: longâ€term trends in butterfly species richness and assemblage composition depend on multiple functional traits. Diversity and Distributions, 2015, 21, 792-802. | 4.1 | 95 |
| 22 | Pollinator networks, alien species and the conservation of rare plants: Trinia glauca as a case study. Journal of Applied Ecology, 2008, 45, 1419-1427. | 4.0 | 83 |
| 23 | Economic and ecological implications of geographic bias in pollinator ecology in the light of pollinator declines. Oikos, 2014, 123, 401-407. | 2.7 | 79 |
| 24 | Responses of bees to habitat loss in fragmented landscapes of Brazilian Atlantic Rainforest. Landscape Ecology, 2015, 30, 2067-2078. | 4.2 | 77 |
| 25 | Why Urban Citizens in Developing Countries Use Traditional Medicines: The Case of Suriname. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-13. | 1.2 | 71 |
| 26 | Beekeeping practices and geographic distance, not land use, drive gene flow across tropical bees. Molecular Ecology, 2016, 25, 5345-5358. | 3.9 | 66 |
| 27 | The effects of soil eutrophication propagate to higher trophic levels. Global Ecology and Biogeography, 2017, 26, 18-30. | 5.8 | 60 |
| 28 | Anthropogenic disturbance of tropical forests threatens pollination services to aÃ§aÃ-palm in the Amazon river delta. Journal of Applied Ecology, 2018, 55, 1725-1736. | 4.0 | 54 |
| 29 | Functional traits help to explain half-century long shifts in pollinator distributions. Scientific Reports, 2016, 6, 24451. | 3.3 | 49 |
| 30 | Diet breadth influences how the impact of invasive plants is propagated through food webs. Ecology, 2010, 91, 1063-1074. | 3.2 | 47 |
| 31 | Ensuring access to high-quality resources reduces the impacts of heat stress on bees. Scientific Reports, 2019, 9, 12596. | 3.3 | 46 |
| 32 | Influence of plantâ€"pollinator interactions on the assembly of plant and hummingbird communities. Journal of Ecology, 2017, 105, 332-344. | 4.0 | 45 |
| 33 | Susceptibility of pollinators to ongoing landscape changes depends on landscape history. Diversity and Distributions, 2015, 21, 1129-1140. | 4.1 | 43 |
| 34 | Wild insect diversity increases inter-annual stability in global crop pollinator communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210212. | 2.6 | 43 |
| 35 | The potential indirect effects among plants via shared hummingbird pollinators are structured by phenotypic similarity. Ecology, 2017, 98, 1849-1858. | 3.2 | 41 |
| 36 | Pollination and biological control research: are we neglecting two billion smallholders. Agriculture and Food Security, 2014, 3, . | 4.2 | 39 |

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|---|---|---|---|
| 37 | RelatÃ³rio temÃ¡tico sobre polinizaÃ§Ã£o, polinizadores e produÃ§Ã£o de alimentos no Brasil. , 2019, , . | | 37 |
| 38 | Impact of pollen resources drift on common bumblebees in <scp>NW</scp> Europe. Global Change Biology, 2017, 23, 68-76. | 9.5 | 36 |
| 39 | Tree species from different functional groups respond differently to environmental changes during establishment. Oecologia, 2014, 174, 1345-1357. | 2.0 | 34 |
| 40 | Short-Term Effect of Nutrient Availability and Rainfall Distribution on Biomass Production and Leaf Nutrient Content of Savanna Tree Species. PLoS ONE, 2014, 9, e92619. | 2.5 | 32 |
| 41 | Crop fertilization affects pollination service provision â€“ Common bean as a case study. PLoS ONE, 2018, 13, e0204460. | 2.5 | 30 |
| 42 | Soil eutrophication shaped the composition of pollinator assemblages during the past century. Ecography, 2020, 43, 209-221. | 4.5 | 26 |
| 43 | Virtual pollination trade uncovers global dependence on biodiversity of developing countries. Science Advances, 2021, 7, . | 10.3 | 24 |
| 44 | The conservation of ecological interactions.. , 2007, , 226-244. | | 24 |
| 45 | Historical changes in the importance of climate and land use as determinants of Dutch pollinator distributions. Journal of Biogeography, 2017, 44, 696-707. | 3.0 | 23 |
| 46 | Forest and connectivity loss simplify tropical pollination networks. Oecologia, 2020, 192, 577-590. | 2.0 | 22 |
| 47 | Pollinator restoration in Brazilian ecosystems relies on a small but phylogenetically-diverse set of plant families. Scientific Reports, 2019, 9, 17383. | 3.3 | 20 |
| 48 | <scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614. | 3.2 | 19 |
| 49 | The role of soils on pollination and seed dispersal. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200171. | 4.0 | 17 |
| 50 | A metabarcoding tool to detect predation of the honeybee Apis mellifera and other wild insects by the invasive Vespa velutina. Journal of Pest Science, 2022, 95, 997-1007. | 3.7 | 15 |
| 51 | Soil-derived Nature's Contributions to People and their contribution to the UN Sustainable Development Goals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200185. | 4.0 | 15 |
| 52 | Phylogenetic tree shape and the structure of mutualistic networks. Journal of Ecology, 2014, 102, 1234-1243. | 4.0 | 14 |
| 53 | Positive forest cover effects on coffee yields are consistent across regions. Journal of Applied Ecology, 2022, 59, 330-341. | 4.0 | 12 |
| 54 | Temporal-Spatial Dynamics in Orthoptera in Relation to Nutrient Availability and Plant Species Richness. PLoS ONE, 2013, 8, e71736. | 2.5 | 11 |

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|---|---|---|---|
| 55 | High bee functional diversity buffers crop pollination services against Amazon deforestation. Agriculture, Ecosystems and Environment, 2022, 326, 107777. | 5.3 | 11 |
| 56 | On the influence of physical parameterisations and domains configuration in the simulation of an extreme precipitation event. Dynamics of Atmospheres and Oceans, 2014, 68, 35-55. | 1.8 | 10 |
| 57 | Exotic plants growing in crop field margins provide little support to mango crop flower visitors. Agriculture, Ecosystems and Environment, 2017, 250, 72-80. | 5.3 | 10 |
| 58 | Population genomics of Bombus terrestris reveals high but unstructured genetic diversity in a potential glacial refugium. Biological Journal of the Linnean Society, 2020, 129, 259-272. | 1.6 | 10 |
| 59 | Testing projected wild bee distributions in agricultural habitats: predictive power depends on species traits and habitat type. Ecology and Evolution, 2015, 5, 4426-4436. | 1.9 | 9 |
| 60 | Effects of ozone air pollution on crop pollinators and pollination. Global Environmental Change, 2022, 75, 102529. | 7.8 | 9 |
| 61 | Status and trends of pollination services in Amazon agroforestry systems. Agriculture, Ecosystems and Environment, 2022, 335, 108012. | 5.3 | 8 |
| 62 | Network science: Applications for sustainable agroecosystems and food security. Perspectives in Ecology and Conservation, 2022, 20, 79-90. | 1.9 | 7 |
| 63 | Contrasting patterns from two invasion fronts suggest a niche shift of an invasive predator of native bees. PeerJ, 2022, 10, e13269. | 2.0 | 4 |
| 64 | Corrigendum to Carvalheiro etÂal. (). Ecology Letters, 2013, 16, 1416-1417. | 6.4 | 3 |
| 65 | Importance of biotic pollination varies across common bean cultivars. Journal of Applied Entomology, 0, , . | 1.8 | 2 |
| 66 | Differential behavioral responses of benthic and nektonic tadpoles to predation at varying water depths. Canadian Journal of Zoology, 0, , . | 1.0 | 0 |