# Olivier Dangles

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3347437/publications.pdf

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| 112 | 4,687 | 94433 | 114465 |
|---|---|---|---|
| papers | citations | 37 h-index | 63 g-index |

| 114 | 114 | 114 | 5607 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reducing adverse impacts of Amazon hydropower expansion. Science, 2022, 375, 753-760. | 12.6 | 60 |
| 2 | Glacier influence on bird assemblages in habitat islands of the high Bolivian Andes. Diversity and Distributions, 2022, 28, 242-256. | 4.1 | 4 |
| 3 | A whole-ecosystem experiment reveals flow-induced shifts in a stream community. Communications Biology, 2022, 5, 420. | 4.4 | 5 |
| 4 | Pesticide misuse among small Andean farmers stems from pervasive misinformation by retailers. , 2022, 1, e0000017. | | 8 |
| 5 | Intraspecific diversity as a reservoir for heat-stress tolerance in sweet potato. Nature Climate Change, 2021, 11, 64-69. | 18.8 | 19 |
| 6 | Living at the Edge: Increasing Stress for Plants 2â€“13 Years After the Retreat of a Tropical Glacier. Frontiers in Ecology and Evolution, 2021, 9, . | 2.2 | 16 |
| 7 | Combined effects of landscape composition and pesticide use on herbivore and pollinator functions in smallholder farms. CABI Agriculture and Bioscience, 2021, 2, . | 2.4 | 2 |
| 8 | Multiâ€taxa colonisation along the foreland of a vanishing equatorial glacier. Ecography, 2021, 44, 1010-1021. | 4.5 | 24 |
| 9 | The response of culturally important plants to experimental warming and clipping in Pakistan Himalayas. PLoS ONE, 2021, 16, e0237893. | 2.5 | 2 |
| 10 | Aquatic biota responses to temperature in a high Andean geothermal stream. Freshwater Biology, 2021, 66, 1889-1900. | 2.4 | 4 |
| 11 | The Retreat of Mountain Glaciers since the Little Ice Age: A Spatially Explicit Database. Data, 2021, 6, 107. | 2.3 | 13 |
| 12 | Functional Feeding Groups of Macrofauna and Detritus Decomposition along a Gradient of Glacial Meltwater Influence in Tropical High-Andean Streams. Water (Switzerland), 2021, 13, 3303. | 2.7 | 3 |
| 13 | Functional structure and diversity of invertebrate communities in a glacierised catchment of the tropical Andes. Freshwater Biology, 2020, 65, 1348-1362. | 2.4 | 11 |
| 14 | Reply to: Glacial ecosystems are essential to understanding biodiversity responses to glacier retreat. Nature Ecology and Evolution, 2020, 4, 688-689. | 7.8 | 4 |
| 15 | Diversity patterns of aquatic macroinvertebrates in a tropical high-Andean catchment. Revista De Biologia Tropical, 2020, 68, S29-S53. | 0.4 | 7 |
| 16 | Humboldtâ€™sTableau Physiquerevisited. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12889-12894. | 7.1 | 50 |
| 17 | Streamlined ecoâ€engineering approach helps define environmental flows for tropical Andean headwaters. Freshwater Biology, 2019, 64, 1315-1325. | 2.4 | 14 |
| 18 | A dynamic model of facilitation on environmental stress gradients. Oikos, 2019, 128, 1206-1214. | 2.7 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sowing the seeds for interdisciplinary plant research and development in the Tropical Andes. Plants People Planet, 2019, 1, 102-106. | 3.3 | 2 |
| 20 | A global synthesis of biodiversity responses to glacier retreat. Nature Ecology and Evolution, 2019, 3, 1675-1685. | 7.8 | 154 |
| 21 | Reply to Morueta-Holme et al.: Humboldt's historical data are not messy, they just need expert examination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21348-21349. | 7.1 | 3 |
| 22 | Environmental and spatial filters of zooplankton metacommunities in shallow pools in highâ€elevation peatlands in the tropical Andes. Freshwater Biology, 2018, 63, 432-442. | 2.4 | 4 |
| 23 | Time lag between glacial retreat and upward migration alters tropical alpine communities. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 30, 89-102. | 2.7 | 62 |
| 24 | Modelling temperatureâ€dependent development rate and phenology in arthropods: The <scp>devRate</scp> package for <scp>r</scp>. Methods in Ecology and Evolution, 2018, 9, 1144-1150. | 5.2 | 40 |
| 25 | Facilitation costs and benefits function simultaneously on stress gradients for animals. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180983. | 2.6 | 18 |
| 26 | Fine nurse variations explain discrepancies in the stressâ€interaction relationship in alpine regions. Oikos, 2017, 126, 1173-1183. | 2.7 | 32 |
| 27 | Functional consequences of realistic extinction scenarios in <scp>A</scp>mazonian soil food webs. Ecosphere, 2017, 8, e01692. | 2.2 | 14 |
| 28 | The effects of climate change on a megaâ€diverse country: predicted shifts in mammalian species richness and turnover in continental Ecuador. Biotropica, 2017, 49, 821-831. | 1.6 | 14 |
| 29 | Ecosystem sentinels for climate change? Evidence of wetland cover changes over the last 30 years in the tropical Andes. PLoS ONE, 2017, 12, e0175814. | 2.5 | 80 |
| 30 | Ecology of High Altitude Waters. , 2017, , . | | 32 |
| 31 | Market access and community size influence pastoral management of native and exotic livestock species: A case study in communities of the Cordillera Real in Bolivia's high Andean wetlands. PLoS ONE, 2017, 12, e0189409. | 2.5 | 25 |
| 32 | Microclimate Data Improve Predictions of Insect Abundance Models Based on Calibrated Spatiotemporal Temperatures. Frontiers in Physiology, 2016, 7, 139. | 2.8 | 36 |
| 33 | Direct and indirect effects of glaciers on aquatic biodiversity in high Andean peatlands. Global Change Biology, 2016, 22, 3196-3205. | 9.5 | 20 |
| 34 | A toolbox for studying thermal heterogeneity across spatial scales: from unmanned aerial vehicle imagery toÂlandscape metrics. Methods in Ecology and Evolution, 2016, 7, 437-446. | 5.2 | 63 |
| 35 | Ecological responses to experimental glacier-runoff reduction in alpine rivers. Nature Communications, 2016, 7, 12025. | 12.8 | 56 |
| 36 | The altitudinal limit ofLeptohyphesEaton, 1882 andLachlaniaHagen, 1868 (Ephemeroptera:) Tj ETQq0 0 0 rgBT /Overlock 1 Insects, 2016, 37, 69-86. | 0.9 | 10 |

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|---|---|---|---|
| 37 | Research on Biodiversity and Climate Change at a Distance: Collaboration Networks between Europe and Latin America and the Caribbean. PLoS ONE, 2016, 11, e0157441. | 2.5 | 20 |
| 38 | Logiques paysannes, production agricole et lutte contre les ravageurs des cultures Ã Salcedo dans les Andes Ã©quatoriennesÂ: stratÃ©gies individuelles ou collectivesÂ?. VertigO: La Revue Electronique En Sciences De L'environnement, 2016, , . | 0.1 | 6 |
| 39 | A comparative analysis reveals weak relationships between ecological factors and beta diversity of stream insect metacommunities at two spatial levels. Ecology and Evolution, 2015, 5, 1235-1248. | 1.9 | 167 |
| 40 | Plant herbivory responses through changes in leaf quality have no effect on subsequent leafâ€litter decomposition in a neotropical rain forest tree community. New Phytologist, 2015, 207, 817-829. | 7.3 | 25 |
| 41 | Temporal scaling of high flow effects on benthic fauna: Insights from equatorial glacierâ€fed streams. Limnology and Oceanography, 2015, 60, 1836-1847. | 3.1 | 10 |
| 42 | Altitudinal distribution limits of aquatic macroinvertebrates: an experimental test in a tropical alpine stream. Ecological Entomology, 2015, 40, 629-638. | 2.2 | 27 |
| 43 | Adaptive management in crop pest control in the face of climate variability: an agent-based modeling approach. Ecology and Society, 2015, 20, . | 2.3 | 11 |
| 44 | Changes in the distribution of multispecies pest assemblages affect levels of crop damage in warming tropical Andes. Global Change Biology, 2015, 21, 82-96. | 9.5 | 21 |
| 45 | Invertebrate Metacommunity Structure and Dynamics in an Andean Glacial Stream Network Facing Climate Change. PLoS ONE, 2015, 10, e0136793. | 2.5 | 66 |
| 46 | Strong Discrepancies between Local Temperature Mapping and Interpolated Climatic Grids in Tropical Mountainous Agricultural Landscapes. PLoS ONE, 2014, 9, e105541. | 2.5 | 30 |
| 47 | Temporal variability in discharge and benthic macroinvertebrate assemblages in a tropical glacier-fed stream. Freshwater Science, 2014, 33, 32-45. | 1.8 | 25 |
| 48 | Facilitation among plants in alpine environments in the face of climate change. Frontiers in Plant Science, 2014, 5, 387. | 3.6 | 111 |
| 49 | Simulating Population Genetics of Pathogen Vectors in Changing Landscapes: Guidelines and Application with Triatoma brasiliensis. PLoS Neglected Tropical Diseases, 2014, 8, e3068. | 3.0 | 6 |
| 50 | Dynamics of Sylvatic Chagas Disease Vectors in Coastal Ecuador Is Driven by Changes in Land Cover. PLoS Neglected Tropical Diseases, 2014, 8, e2960. | 3.0 | 27 |
| 51 | Relationships between stream macroinvertebrate communities and new floodâ€based indices of glacial influence. Freshwater Biology, 2014, 59, 1916-1925. | 2.4 | 27 |
| 52 | Runoff and the longitudinal distribution of macroinvertebrates in a glacierâ€fed stream: implications for the effects of global warming. Freshwater Biology, 2014, 59, 2038-2050. | 2.4 | 48 |
| 53 | Biodiversity Patterns and Continental Insularity in the Tropical High Andes. Arctic, Antarctic, and Alpine Research, 2014, 46, 811-828. | 1.1 | 66 |
| 54 | Obstacles to integrated pest management adoption in developing countries. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3889-3894. | 7.1 | 199 |

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|---|---|---|---|
| 55 | Plant traits predict interâ€•and intraspecific variation in susceptibility to herbivory in a hyperdiverse Neotropical rain forest tree community. Journal of Ecology, 2014, 102, 939-952. | 4.0 | 63 |
| 56 | Factors influencing egg parasitism in subâ€ssocial insects: insights from the treehopper Alchisme grossa (<scp>H</scp>emiptera, <scp>A</scp>uchenorrhyncha, <scp>M</scp>embracidae). Ecological Entomology, 2014, 39, 58-65. | 2.2 | 9 |
| 57 | Variations in time and space of an Andean wild population of T. infestans at a microgeographic scale. Parasites and Vectors, 2014, 7, 164. | 2.5 | 13 |
| 58 | Agent-Based Models and Integrated Pest Management Diffusion in Small Scale Farmer Communities. , 2014, , 367-383. | | 2 |
| 59 | Differences in Morphometry and Activity among Tabanid Fly Assemblages in an Andean Tropical Montane Cloud Forest: Indication of Altitudinal Migration?. Biotropica, 2013, 45, 63-72. | 1.6 | 14 |
| 60 | Development of a viral biopesticide for the control of the Guatemala potato tuber moth Tecia solanivora. Journal of Invertebrate Pathology, 2013, 112, 184-191. | 3.2 | 28 |
| 61 | Sim<scp>A</scp>dapt: an individualâ€based genetic model for simulating landscape management impacts on populations. Methods in Ecology and Evolution, 2013, 4, 595-600. | 5.2 | 32 |
| 62 | An agent-based modeling framework for integrated pest management dissemination programs. Environmental Modelling and Software, 2013, 45, 141-149. | 4.5 | 46 |
| 63 | Experimental support of the stressâ€gradient hypothesis in herbivoreâ€“herbivore interactions. New Phytologist, 2013, 197, 405-408. | 7.3 | 33 |
| 64 | Temperatureâ€dependent shifts in herbivore performance and interactions drive nonlinear changes in crop damages. Global Change Biology, 2013, 19, 1056-1063. | 9.5 | 15 |
| 65 | Glacial flood pulse effects on benthic fauna in equatorial high-Andean streams. Hydrological Processes, 2013, 28, n/a-n/a. | 2.6 | 14 |
| 66 | Modeling temperature-dependent survival with small datasets: insights from tropical mountain agricultural pests. Bulletin of Entomological Research, 2013, 103, 336-343. | 1.0 | 11 |
| 67 | Sizeâ€dependent species removal impairs ecosystem functioning in a largeâ€scale tropical field experiment. Ecology, 2012, 93, 2615-2625. | 3.2 | 41 |
| 68 | The bee and the turtle: a fable from YasunÃ-National Park. Frontiers in Ecology and the Environment, 2012, 10, 446-447. | 4.0 | 5 |
| 69 | Plantâ€“plant interactions in tropical alpine environments. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 363-372. | 2.7 | 63 |
| 70 | Do canopy herbivores mechanically facilitate subsequent litter decomposition in soil? A pilot study from a Neotropical cloud forest. Ecological Research, 2012, 27, 975-981. | 1.5 | 11 |
| 71 | Biodiversity under threat in glacier-fed riverÂsystems. Nature Climate Change, 2012, 2, 361-364. | 18.8 | 265 |
| 72 | Ecological factors related to the widespread distribution of sylvatic Rhodnius ecuadoriensis populations in southern Ecuador. Parasites and Vectors, 2012, 5, 17. | 2.5 | 46 |

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|---|---|---|---|
| 73 | Unexpected mechanisms sustain the stress gradient hypothesis in a tropical alpine environment. Journal of Vegetation Science, 2012, 23, 62-72. | 2.2 | 70 |
| 74 | Environmental harshness and global richness patterns in glacierâ€fed streams. Global Ecology and Biogeography, 2012, 21, 647-656. | 5.8 | 72 |
| 75 | Preferencia de oviposiciÃ³n en tres especies de polilla de la papa (Lepidoptera: Gelechiidae).. Revista Ecuatoriana De Medicina Y Ciencias BiolÃ³gicas, 2012, 33, 82-87. | 0.1 | 1 |
| 76 | Predicting richness effects on ecosystem function in natural communities: insights from high-elevation streams. Ecology, 2011, 92, 733-743. | 3.2 | 47 |
| 77 | Spatial variability in macroinvertebrate assemblages along and among neighbouring equatorial glacier-fed streams. Freshwater Biology, 2011, 56, 2226-2244. | 2.4 | 35 |
| 78 | Modeling invasive species spread in complex landscapes: the case of potato moth in Ecuador. Landscape Ecology, 2011, 26, 1447-1461. | 4.2 | 43 |
| 79 | Coupled Information Diffusionâ€“Pest Dynamics Models Predict Delayed Benefits of Farmer Cooperation in Pest Management Programs. PLoS Computational Biology, 2011, 7, e1002222. | 3.2 | 40 |
| 80 | Agent-Based Modeling of Human-Induced Spread of Invasive Species in Agricultural Landscapes: Insights from the Potato Moth in Ecuador. Jasss, 2011, 14, . | 1.8 | 22 |
| 81 | Biological Invasions in the Amazonian Tropical Rain Forest: The Case of Drosophilidae (Insecta,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 1.6 | 10 |
| 82 | Longitudinal zonation of macroinvertebrates in an Ecuadorian glacierâ€fed stream: do tropical glacial systems fit the temperate model?. Freshwater Biology, 2010, 55, 1234-1248. | 2.4 | 50 |
| 83 | Microdistribution of Sylvatic Triatomine Populations in Central-Coastal Ecuador. Journal of Medical Entomology, 2010, 47, 80-88. | 1.8 | 39 |
| 84 | Physical Ecology of Fluid Flow Sensing in Arthropods. Annual Review of Entomology, 2010, 55, 505-520. | 11.8 | 76 |
| 85 | Microdistribution of Sylvatic Triatomine Populations in Central-Coastal Ecuador. Journal of Medical Entomology, 2010, 47, 80-88. | 1.8 | 23 |
| 86 | Crop damage increases with pest species diversity: evidence from potato tuber moths in the tropical Andes. Journal of Applied Ecology, 2009, 46, 1115-1121. | 4.0 | 33 |
| 87 | Entomology in Ecuador: Recent developments and future challenges. Annales De La Societe Entomologique De France, 2009, 45, 424-436. | 0.9 | 11 |
| 88 | Variability in Sensory Ecology: Expanding the Bridge Between Physiology and Evolutionary Biology. Quarterly Review of Biology, 2009, 84, 51-74. | 0.1 | 80 |
| 89 | Diversity and distribution models of horse fl ies (Diptera: Tabanidae) from Ecuador. Annales De La Societe Entomologique De France, 2009, 45, 511-528. | 0.9 | 21 |
| 90 | The History of Entomology in Ecuador. Annales De La Societe Entomologique De France, 2009, 45, 410-423. | 0.9 | 16 |

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|---|---|---|---|
| 91 | Short term response of dung beetle communities to disturbance by road construction in the Ecuadorian Amazon. Annales De La Societe Entomologique De France, 2009, 45, 455-469. | 0.9 | 29 |
| 92 | Entomology in Ecuador. Annales De La Societe Entomologique De France, 2009, 45, 409-409. | 0.9 | 0 |
| 93 | Diversity and distribution of type specimens deposited in the Invertebrate section of the Museum of Zoology QCAZ, Quito, Ecuador. Annales De La Societe Entomologique De France, 2009, 45, 437-454. | 0.9 | 17 |
| 94 | Relative contributions of organ shape and receptor arrangement to the design of cricketâ€™s cercal system. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 653-663. | 1.6 | 20 |
| 95 | An isometric virus of the potato tuber moth Tecia solanivora (Povolny) (Lepidoptera: Gelechiidae) has a tri-segmented RNA genome. Journal of Invertebrate Pathology, 2008, 99, 204-211. | 3.2 | 8 |
| 96 | The Aerodynamic Signature of Running Spiders. PLoS ONE, 2008, 3, e2116. | 2.5 | 43 |
| 97 | Hair canopy of cricket sensory system tuned to predator signals. Journal of Theoretical Biology, 2006, 241, 459-466. | 1.7 | 64 |
| 98 | Textbook cricket goes to the field: the ecological scene of the neuroethological play. Journal of Experimental Biology, 2006, 209, 393-398. | 1.7 | 38 |
| 99 | Social Learning in Noncolonial Insects?. Current Biology, 2005, 15, 1931-1935. | 3.9 | 111 |
| 100 | Variation in morphology and performance of predator-sensing system in wild cricket populations. Journal of Experimental Biology, 2005, 208, 461-468. | 1.7 | 46 |
| 101 | Species richness-decomposition relationships depend on species dominance. Ecology Letters, 2004, 7, 395-402. | 6.4 | 197 |
| 102 | Impacts of stream acidification on litter breakdown: implications for assessing ecosystem functioning. Journal of Applied Ecology, 2004, 41, 365-378. | 4.0 | 222 |
| 103 | Naturally acid freshwater ecosystems are diverse and functional: evidence from boreal streams. Oikos, 2004, 104, 149-155. | 2.7 | 91 |
| 104 | The Role of Biodiversity in the Functioning of Freshwater and Marine Benthic Ecosystems. BioScience, 2004, 54, 767. | 4.9 | 296 |
| 105 | Simulating species loss following perturbation: assessing the effects on process rates. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1047-1052. | 2.6 | 117 |
| 106 | Functional plasticity of benthic macroinvertebrates: implications for trophic dynamics in acid streams. Canadian Journal of Fisheries and Aquatic Sciences, 2002, 59, 1563-1573. | 1.4 | 73 |
| 107 | Use of blood parameters in fish to assess acidic stress and chloride pollution in French running waters. Chemosphere, 2002, 47, 467-473. | 8.2 | 12 |
| 108 | Aggregation of shredder invertebrates associated with benthic detrital pools in seven headwater forested streams. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2002, 28, 910-913. | 0.1 | 0 |

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|---|---|---|---|
| 109 | Title is missing!. Biological Invasions, 2002, 4, 441-446. | 2.4 | 21 |
| 110 | Role of transported particulate organic matter in the macroinvertebrate colonization of litter bags in streams. Freshwater Biology, 2001, 46, 575-586. | 2.4 | 30 |
| 111 | Linking Shredders and Leaf Litter Processing: Insights from an Acidic Stream Study. International Review of Hydrobiology, 2001, 86, 395-406. | 0.9 | 34 |
| 112 | Evolution of the cercal sensory system in a tropical cricket clade (Orthoptera: Grylloidea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td ( | 1.6 | 7 |