

Eoin J O'gorman

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,305
citations

172207

29
h-index

161609

54
g-index

65
all docs

65
docs citations

65
times ranked

5185
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Navigating the complexity of ecological stability. <i>Ecology Letters</i> , 2016, 19, 1172-1185. | 3.0 | 401 |
| 2 | Biodiversity, Species Interactions and Ecological Networks in a Fragmented World. <i>Advances in Ecological Research</i> , 2012, 46, 89-210. | 1.4 | 284 |
| 3 | Persistence of environmental DNA in marine systems. <i>Communications Biology</i> , 2018, 1, 185. | 2.0 | 256 |
| 4 | Predator traits determine food-web architecture across ecosystems. <i>Nature Ecology and Evolution</i> , 2019, 3, 919-927. | 3.4 | 157 |
| 5 | Perturbations to trophic interactions and the stability of complex food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13393-13398. | 3.3 | 138 |
| 6 | Ecological Networks in a Changing Climate. <i>Advances in Ecological Research</i> , 2010, , 71-138. | 1.4 | 110 |
| 7 | Predicting the consequences of species loss using size-structured biodiversity approaches. <i>Biological Reviews</i> , 2017, 92, 684-697. | 4.7 | 108 |
| 8 | Impacts of Warming on the Structure and Functioning of Aquatic Communities. <i>Advances in Ecological Research</i> , 2012, 47, 81-176. | 1.4 | 106 |
| 9 | Temperature effects on fish production across a natural thermal gradient. <i>Global Change Biology</i> , 2016, 22, 3206-3220. | 4.2 | 95 |
| 10 | Cheddar: analysis and visualisation of ecological communities in R. <i>Methods in Ecology and Evolution</i> , 2013, 4, 99-104. | 2.2 | 93 |
| 11 | Climate change and geothermal ecosystems: natural laboratories, sentinel systems, and future refugia. <i>Global Change Biology</i> , 2014, 20, 3291-3299. | 4.2 | 92 |
| 12 | FORUM: Ecological networks: the missing links in biomonitoring science. <i>Journal of Applied Ecology</i> , 2014, 51, 1444-1449. | 1.9 | 92 |
| 13 | Multiple anthropogenic stressors and the structural properties of food webs. <i>Ecology</i> , 2012, 93, 441-448. | 1.5 | 77 |
| 14 | Climate-induced changes in bottom-up and top-down processes independently alter a marine ecosystem. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 2962-2970. | 1.8 | 76 |
| 15 | From Broadstone to Zackenberg. <i>Advances in Ecological Research</i> , 2010, 42, 1-69. | 1.4 | 73 |
| 16 | Unexpected changes in community size structure in a natural warming experiment. <i>Nature Climate Change</i> , 2017, 7, 659-663. | 8.1 | 70 |
| 17 | Biodiversity and the stability of ecosystem functioning. , 2009, , 78-93. | | 67 |
| 18 | Interaction strength, food web topology and the relative importance of species in food webs. <i>Journal of Animal Ecology</i> , 2010, 79, 682-692. | 1.3 | 64 |

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|----|---|-----|-----------|
| 19 | Body Size Distribution of the Dinosaurs. PLoS ONE, 2012, 7, e51925. | 1.1 | 63 |
| 20 | Impacts of the invasive alga <i>Sargassum muticum</i> on ecosystem functioning and food web structure. Biological Invasions, 2013, 15, 2563-2576. | 1.2 | 61 |
| 21 | Weighting and indirect effects identify keystone species in food webs. Ecology Letters, 2016, 19, 1032-1040. | 3.0 | 54 |
| 22 | Predator diversity enhances secondary production and decreases the likelihood of trophic cascades. Oecologia, 2008, 158, 557-567. | 0.9 | 53 |
| 23 | Loss of functionally unique species may gradually undermine ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1886-1893. | 1.2 | 53 |
| 24 | A simple model predicts how warming simplifies wild food webs. Nature Climate Change, 2019, 9, 611-616. | 8.1 | 50 |
| 25 | Soil temperature effects on the structure and diversity of plant and invertebrate communities in a natural warming experiment. Journal of Animal Ecology, 2018, 87, 634-646. | 1.3 | 47 |
| 26 | Interactive effects of warming and microplastics on metabolism but not feeding rates of a key freshwater detritivore. Environmental Pollution, 2019, 255, 113259. | 3.7 | 44 |
| 27 | Manipulating Interaction Strengths and the Consequences for Trivariate Patterns in a Marine Food Web. Advances in Ecological Research, 2010, , 301-419. | 1.4 | 42 |
| 28 | Diatoms can be an important exception to temperatureâ€“size rules at species and community levels of organization. Global Change Biology, 2013, 19, 3540-3552. | 4.2 | 37 |
| 29 | Extreme rainfall events alter the trophic structure in bromeliad tanks across the Neotropics. Nature Communications, 2020, 11, 3215. | 5.8 | 33 |
| 30 | Otolith geochemistry indicates life-long spatial population structuring in a deep-sea fish, <i>Coryphaenoides rupestris</i> . Marine Ecology - Progress Series, 2011, 435, 209-224. | 0.9 | 32 |
| 31 | A functional guide to functional diversity measures. , 2009, , 49-59. | | 31 |
| 32 | Temperature Effects on Biomass and Regeneration of Vegetation in a Geothermal Area. Frontiers in Plant Science, 2017, 8, 249. | 1.7 | 27 |
| 33 | Increased Stream Productivity with Warming Supports Higher Trophic Levels. Advances in Ecological Research, 2013, 48, 285-342. | 1.4 | 25 |
| 34 | Long-term exposure to higher temperature increases the thermal sensitivity of grazer metabolism and movement. Journal of Animal Ecology, 2019, 88, 833-844. | 1.3 | 24 |
| 35 | Urbanisation affects ecosystem functioning more than structure in tropical streams. Biological Conservation, 2020, 249, 108634. | 1.9 | 24 |
| 36 | Consistent temperature dependence of functional response parameters and their use in predicting population abundance. Journal of Animal Ecology, 2019, 88, 1670-1683. | 1.3 | 23 |

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|----|--|-----|-----------|
| 37 | Changes in feeding selectivity of freshwater invertebrates across a natural thermal gradient. <i>Environmental Epigenetics</i> , 2018, 64, 231-242. | 0.9 | 19 |
| 38 | Thermal acclimation increases the stability of a predator-prey interaction in warmer environments. <i>Global Change Biology</i> , 2021, 27, 3765-3778. | 4.2 | 19 |
| 39 | Recovery and Nonrecovery of Freshwater Food Webs from the Effects of Acidification. <i>Advances in Ecological Research</i> , 2016, 55, 475-534. | 1.4 | 18 |
| 40 | Interactive effects of temperature and habitat complexity on freshwater communities. <i>Ecology and Evolution</i> , 2017, 7, 9333-9346. | 0.8 | 18 |
| 41 | Body mass-abundance relationships are robust to cascading effects in marine food webs. <i>Oikos</i> , 2011, 120, 520-528. | 1.2 | 14 |
| 42 | Habitat Isolation Reduces the Temporal Stability of Island Ecosystems in the Face of Flood Disturbance. <i>Advances in Ecological Research</i> , 2013, 48, 225-284. | 1.4 | 14 |
| 43 | Temperature affects both the Grinnellian and Eltonian dimensions of ecological niches - A tale of two Arctic wolf spiders. <i>Basic and Applied Ecology</i> , 2021, 50, 132-143. | 1.2 | 14 |
| 44 | Metabolic plasticity can amplify ecosystem responses to global warming. <i>Nature Communications</i> , 2022, 13, 2161. | 5.8 | 12 |
| 45 | Soil organic matter, rather than temperature, determines the structure and functioning of subarctic decomposer communities. <i>Global Change Biology</i> , 2022, 28, 3929-3943. | 4.2 | 11 |
| 46 | Size-balanced community reorganization in response to nutrients and warming. <i>Global Change Biology</i> , 2015, 21, 3971-3981. | 4.2 | 10 |
| 47 | Seasonal variation in the invertebrate community and diet of a top fish predator in a thermally stable spring. <i>Hydrobiologia</i> , 2021, 848, 531-545. | 1.0 | 10 |
| 48 | The ecological impacts of multiple environmental stressors on coastal biofilm bacteria. <i>Global Change Biology</i> , 2021, 27, 3166-3178. | 4.2 | 10 |
| 49 | Substratum-dependent responses of ciliate assemblages to temperature: a natural experiment in Icelandic streams. <i>Freshwater Biology</i> , 2015, 60, 1561-1570. | 1.2 | 7 |
| 50 | It's only a matter of time: the altered role of subsidies in a warming world. <i>Journal of Animal Ecology</i> , 2016, 85, 1133-1135. | 1.3 | 7 |
| 51 | The Combined Effects of Warming and Body Size on the Stability of Predator-Prey Interactions. <i>Frontiers in Ecology and Evolution</i> , 2022, 9, . | 1.1 | 7 |
| 52 | Multitrophic diversity sustains ecological complexity by dampening top-down control of a shallow marine benthic food web. <i>Ecology</i> , 2021, 102, e03274. | 1.5 | 6 |
| 53 | Using Food Webs and Metabolic Theory to Monitor, Model, and Manage Atlantic Salmon - A Keystone Species Under Threat. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 1.1 | 6 |
| 54 | Impacts of soil temperature, phenology and plant community composition on invertebrate herbivory in a natural warming experiment. <i>Oikos</i> , 2021, 130, 1572-1582. | 1.2 | 4 |

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|----|---|-----|-----------|
| 55 | Integrating comparative functional response experiments into global change research. <i>Journal of Animal Ecology</i> , 2014, 83, 525-527. | 1.3 | 3 |
| 56 | Temperature effects on the temporal dynamics of a subarctic invertebrate community. <i>Journal of Animal Ecology</i> , 2021, 90, 1217-1227. | 1.3 | 3 |
| 57 | Ecological Networks in the Scotia Sea: Structural Changes Across Latitude and Depth. <i>Ecosystems</i> , 0, , 1. | 1.6 | 3 |
| 58 | Impacts of Warming on Reciprocal Subsidies Between Aquatic and Terrestrial Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 1.1 | 1 |
| 59 | The Importance of Diversity Across Multiple Trophic Levels: A Subtidal Experiment in an Irish Marine Reserve. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01854. | 0.2 | 0 |