# Eelke Jongejans

List of Publications by Year
in descending order



| 110 | 7,587 | 94433 | 60623 |
|---|---|---|---|
| papers | citations | 37 h-index | 81 g-index |

| 113 | 113 | 113 | 9614 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | More than 75 percent decline over 27 years in total flying insect biomass in protected areas. PLoS ONE, 2017, 12, e0185809. | 2.5 | 2,176 |
| 2 | Declines in insectivorous birds are associated with high neonicotinoid concentrations. Nature, 2014, 511, 341-343. | 27.8 | 761 |
| 3 | Fastâ€“slow continuum and reproductive strategies structure plant life-history variation worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 230-235. | 7.1 | 290 |
| 4 | Advancing population ecology with integral projection models: a practical guide. Methods in Ecology and Evolution, 2014, 5, 99-110. | 5.2 | 231 |
| 5 | Loss of Plant Species Diversity Reduces Soil Erosion Resistance. Ecosystems, 2015, 18, 881-888. | 3.4 | 222 |
| 6 | Root responses to nutrients and soil biota: drivers of species coexistence and ecosystem productivity. Journal of Ecology, 2012, 100, 6-15. | 4.0 | 182 |
| 7 | Is the insect apocalypse upon us? How to find out. Biological Conservation, 2020, 241, 108327. | 4.1 | 167 |
| 8 | Functional traits as predictors of vital rates across the life cycle of tropical trees. Functional Ecology, 2016, 30, 168-180. | 3.6 | 152 |
| 9 | Dispersal, demography and spatial population models for conservation and control management. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 9, 153-170. | 2.7 | 139 |
| 10 | Habitat fragmentation reduces grassland connectivity for both short-distance and long-distance wind-dispersed forbs. Journal of Ecology, 2005, 93, 1214-1225. | 4.0 | 133 |
| 11 | Declining abundance of beetles, moths and caddisflies in the Netherlands. Insect Conservation and Diversity, 2020, 13, 127-139. | 3.0 | 130 |
| 12 | Evolutionary changes in plant reproductive traits following habitat fragmentation and their consequences for population fitness. Journal of Ecology, 2012, 100, 76-87. | 4.0 | 126 |
| 13 | Data gaps and opportunities for comparative and conservation biology. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9658-9664. | 7.1 | 115 |
| 14 | Space versus time variation in the population dynamics of three co-occurring perennial herbs. Journal of Ecology, 2005, 93, 681-692. | 4.0 | 97 |
| 15 | Integral Projection Models for trees: a new parameterization method and a validation of model output. Journal of Ecology, 2010, 98, 345-355. | 4.0 | 94 |
| 16 | <scp>IPM</scp>pack: an <scp>R</scp> package for integral projection models. Methods in Ecology and Evolution, 2013, 4, 195-200. | 5.2 | 93 |
| 17 | Field experiments on seed dispersal by wind in ten umbelliferous species (Apiaceae). , 2001, 152, 67-78. | | 89 |
| 18 | Modeling Seed Dispersal by Wind in Herbaceous Species. Oikos, 1999, 87, 362. | 2.7 | 88 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sizeâ€dependent flowering and costs of reproduction affect population dynamics in a tuberous perennial woodland orchid. Journal of Ecology, 2010, 98, 1204-1215. | 4.0 | 85 |
| 20 | Plant populations track rather than buffer climate fluctuations. Ecology Letters, 2010, 13, 736-743. | 6.4 | 80 |
| 21 | Dispersal and demography contributions to population spread of Carduus nutans in its native and invaded ranges. Journal of Ecology, 2008, 96, 687-697. | 4.0 | 77 |
| 22 | Insect biomass decline scaled to species diversity: General patterns derived from a hoverfly community. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 73 |
| 23 | Emerging technologies revolutionise insect ecology and monitoring. Trends in Ecology and Evolution, 2022, 37, 872-885. | 8.7 | 72 |
| 24 | Consequences of intraspecific variation in seed dispersal for plant demography, communities, evolution and global change. AoB PLANTS, 2019, 11, plz016. | 2.3 | 71 |
| 25 | Importance of individual and environmental variation for invasive species spread: a spatial integral projection model. Ecology, 2011, 92, 86-97. | 3.2 | 67 |
| 26 | Optimal management strategies to control local population growth or population spread may not be the same. Ecological Applications, 2010, 20, 1148-1161. | 3.8 | 63 |
| 27 | Release thresholds strongly determine the range of seed dispersal by wind. Ecological Modelling, 2005, 185, 93-103. | 2.5 | 59 |
| 28 | Investigating the interaction between ungulate grazing and resource effects on Vaccinium myrtillus populations with integral projection models. Oecologia, 2010, 163, 695-706. | 2.0 | 57 |
| 29 | Region versus site variation in the population dynamics of three shortâ€lived perennials. Journal of Ecology, 2010, 98, 279-289. | 4.0 | 55 |
| 30 | Tree species vary widely in their tolerance for liana infestation: A case study of differential host response to generalist parasites. Journal of Ecology, 2018, 106, 781-794. | 4.0 | 53 |
| 31 | Advancing restoration ecology: A new approach to predict time to recovery. Journal of Applied Ecology, 2019, 56, 225-234. | 4.0 | 51 |
| 32 | What controls the population dynamics of the invasive thistleCarduus nutansin its native range?. Journal of Applied Ecology, 2006, 43, 877-886. | 4.0 | 50 |
| 33 | Strict mast fruiting for a tropical dipterocarp tree: a demographic cost-benefit analysis of delayed reproduction and seed predation. Journal of Ecology, 2011, 99, 1033-1044. | 4.0 | 50 |
| 34 | The interplay between shifts in biomass allocation and costs of reproduction in four grassland perennials under simulated successional change. Oecologia, 2006, 147, 369-378. | 2.0 | 48 |
| 35 | Signs of stabilisation and stable coexistence. Ecology Letters, 2019, 22, 1957-1975. | 6.4 | 48 |
| 36 | Carnivora Population Dynamics Are as Slow and as Fast as Those of Other Mammals: Implications for Their Conservation. PLoS ONE, 2013, 8, e70354. | 2.5 | 47 |

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|---|---|---|---|
| 37 | Are the best dispersers the best colonizers? Seed mass, dispersal and establishment in Carduus thistles. Evolutionary Ecology, 2011, 25, 155-169. | 1.2 | 46 |
| 38 | Seed release by invasive thistles: the impact of plant and environmental factors. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2457-2464. | 2.6 | 44 |
| 39 | Population size and habitat quality affect genetic diversity and fitness in the clonal herb Cirsium dissectum. Oecologia, 2009, 159, 59-68. | 2.0 | 41 |
| 40 | The Evolution of Variance Control. Trends in Ecology and Evolution, 2020, 35, 22-33. | 8.7 | 40 |
| 41 | Evolutionary demography of iteroparous plants: incorporating non-lethal costs of reproduction into integral projection models. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2831-2840. | 2.6 | 39 |
| 42 | Geographic coupling of juvenile and adult habitat shapes spatial population dynamics of a coral reef fish. Ecology, 2013, 94, 1859-1870. | 3.2 | 38 |
| 43 | Seed limitation restricts population growth in shaded populations of a perennial woodland orchid. Ecology, 2010, 91, 119-129. | 3.2 | 34 |
| 44 | Flexible life history responses to flower and rosette bud removal in three perennial herbs. Oikos, 2004, 105, 159-167. | 2.7 | 33 |
| 45 | Warming Increases the Spread of an Invasive Thistle. PLoS ONE, 2011, 6, e21725. | 2.5 | 32 |
| 46 | Establishment and spread of founding populations of an invasive thistle: the role of competition and seed limitation. Biological Invasions, 2007, 9, 317-325. | 2.4 | 31 |
| 47 | Statistical modelling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution, 2015, 6, 1007-1017. | 5.2 | 31 |
| 48 | A unifying gravity framework for dispersal. Theoretical Ecology, 2015, 8, 207-223. | 1.0 | 30 |
| 49 | <scp>trackdem</scp>: Automated particle tracking to obtain population counts and size distributions from videos in <scp>r</scp>. Methods in Ecology and Evolution, 2018, 9, 965-973. | 5.2 | 27 |
| 50 | Disentangling evolutionary, plastic and demographic processes underlying trait dynamics: a review of four frameworks. Methods in Ecology and Evolution, 2017, 8, 75-85. | 5.2 | 26 |
| 51 | Unrecognized impact of a biocontrol agent on the spread rate of an invasive thistle. Ecological Applications, 2014, 24, 1178-1187. | 3.8 | 25 |
| 52 | The temperatureâ€size rule in Daphnia magna across different genetic lines and ontogenetic stages: Multiple patterns and mechanisms. Ecology and Evolution, 2018, 8, 3828-3841. | 1.9 | 25 |
| 53 | Demographic vulnerability of the clonal and endangered meadow thistle. Plant Ecology, 2008, 198, 225-240. | 1.6 | 23 |
| 54 | Recent range expansion of a terrestrial orchid corresponds with climate-driven variation in its population dynamics. Oecologia, 2016, 181, 435-448. | 2.0 | 23 |

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|---|---|---|---|
| 55 | Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. American Naturalist, 2017, 189, 297-314. | 2.1 | 23 |
| 56 | A hostâ€“parasite model explains variation in liana infestation among coâ€occurring tree species. Journal of Ecology, 2018, 106, 2435-2445. | 4.0 | 23 |
| 57 | Frost and forest stand effects on the population dynamics of Asplenium scolopendrium. Population Ecology, 2010, 52, 211-222. | 1.2 | 20 |
| 58 | Plant spatial arrangement affects projected invasion speeds of two invasive thistles. Oikos, 2010, 119, 1462-1468. | 2.7 | 20 |
| 59 | Continuous and cumulative acidification and N deposition induce P limitation of the micro-arthropod soil fauna of mineral-poor dry heathlands. Soil Biology and Biochemistry, 2018, 119, 128-134. | 8.8 | 20 |
| 60 | Populationâ€level responses to temperature, density and clonal differences in Daphnia magna as revealed by integral projection modelling. Functional Ecology, 2018, 32, 2407-2422. | 3.6 | 20 |
| 61 | Explaining variability in the production of seed and allergenic pollen by invasive Ambrosia artemisiifolia across Europe. Biological Invasions, 2018, 20, 1475-1491. | 2.4 | 19 |
| 62 | Bottlenecks and spatiotemporal variation in the sexual reproduction pathway of perennial meadow plants. Basic and Applied Ecology, 2006, 7, 71-81. | 2.7 | 18 |
| 63 | Assessing restoration success by predicting time to recoveryâ€”But by which metric?. Journal of Applied Ecology, 2020, 57, 390-401. | 4.0 | 17 |
| 64 | Elucidating the Population Dynamics of Japanese Knotweed Using Integral Projection Models. PLoS ONE, 2013, 8, e75181. | 2.5 | 17 |
| 65 | Speeding Up Ecological and Evolutionary Computations in R; Essentials of High Performance Computing for Biologists. PLoS Computational Biology, 2015, 11, e1004140. | 3.2 | 16 |
| 66 | Long-term effects of liming on soil physico-chemical properties and micro-arthropod communities in Scotch pine forest. Biology and Fertility of Soils, 2019, 55, 675-683. | 4.3 | 16 |
| 67 | Shorebird feeding specialists differ in how environmental conditions alter their foraging time. Behavioral Ecology, 2020, 31, 371-382. | 2.2 | 16 |
| 68 | Time to cut: population models reveal how to mow invasive common ragweed cost-effectively. NeoBiota, 0, 39, 53-78. | 1.0 | 16 |
| 69 | Stochastic LTRE analysis of the effects of herbivory on the population dynamics of a perennial grassland herb. Oikos, 2012, 121, 211-218. | 2.7 | 15 |
| 70 | Scaling up phenotypic plasticity with hierarchical population models. Evolutionary Ecology, 2010, 24, 585-599. | 1.2 | 14 |
| 71 | Mortality limits used in wind energy impact assessment underestimate impacts of wind farms on bird populations. Ecology and Evolution, 2020, 10, 6274-6287. | 1.9 | 14 |
| 72 | Connecting foraging and roosting areas reveals how food stocks explain shorebird numbers. Estuarine, Coastal and Shelf Science, 2021, 259, 107458. | 2.1 | 14 |

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| 73 | Conceptualizing and quantifying body condition using structural equation modelling: A user guide. Journal of Animal Ecology, 2021, 90, 2478-2496. | 2.8 | 14 |
| 74 | Pimpinella saxifraga is maintained in road verges by mosaic management. Biological Conservation, 2010, 143, 899-907. | 4.1 | 13 |
| 75 | Seasonal survival and migratory connectivity of the Eurasian Oystercatcher revealed by citizen science. Auk, 2019, 136, . | 1.4 | 13 |
| 76 | Microarthropod communities and their ecosystem services restore when permanent grassland with mowing or low-intensity grazing is installed. Agriculture, Ecosystems and Environment, 2022, 323, 107682. | 5.3 | 13 |
| 77 | Forest hoverfly community collapse: Abundance and species richness drop over four decades. Insect Conservation and Diversity, 2022, 15, 510-521. | 3.0 | 13 |
| 78 | Applications of particle image velocimetry for seed release studies. Ecology, 2010, 91, 2485-2492. | 3.2 | 12 |
| 79 | Watch your time step: trapping and tracking dispersal in autocorrelated environments. Methods in Ecology and Evolution, 2011, 2, 407-415. | 5.2 | 12 |
| 80 | Water loss from flower heads predicts seed release in two invasive thistles. Plant Ecology and Diversity, 2012, 5, 57-65. | 2.4 | 12 |
| 81 | Apparent breeding success drives longâ€term population dynamics of a migratory swan. Journal of Avian Biology, 2020, 51, . | 1.2 | 11 |
| 82 | Identifying drivers of pumpkinseed invasiveness using population models. Aquatic Invasions, 2014, 9, 315-326. | 1.6 | 11 |
| 83 | Searching for the causes of decline in the Dutch population of European Turtle Doves (Streptopelia turtur). Ibis, 2022, 164, 552-573. | 1.9 | 10 |
| 84 | Shipment and storage effects on the terminal velocity of seeds. Ecological Research, 2010, 25, 83-92. | 1.5 | 9 |
| 85 | The Effect of Consumers and Mutualists of Vaccinium membranaceum at Mount St. Helens: Dependence on Successional Context. PLoS ONE, 2011, 6, e26094. | 2.5 | 9 |
| 86 | The hidden cost of disturbance: Eurasian Oystercatchers ( Haematopus ostralegus ) avoid a disturbed roost site during the tourist season. Ibis, 0, , . | 1.9 | 9 |
| 87 | Sod cutting and soil biota effects on seedling performance. Acta Oecologica, 2009, 35, 651-656. | 1.1 | 8 |
| 88 | Effect of gut passage in fish on the germination speed of aquatic and riparian plants. Aquatic Botany, 2016, 132, 12-16. | 1.6 | 8 |
| 89 | Stochastic effects contribute to population fitness differences. Ecological Modelling, 2019, 408, 108760. | 2.5 | 8 |
| 90 | Comments to â€œPersistent problems in the construction of matrix population modelsâ€• Ecological Modelling, 2020, 416, 108913. | 2.5 | 8 |

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|---|---|---|---|
| 91 | The demographic causes of population change vary across four decades in a longâ€lived shorebird. Ecology, 2022, 103, e3615. | 3.2 | 8 |
| 92 | Postâ€dispersal seed removal of Carduus nutans and C. acanthoides by insects and small mammals. Ecological Research, 2015, 30, 173-180. | 1.5 | 7 |
| 93 | Colour-ring wear and loss effects in citizen science mark-resighting studies. Avian Research, 2019, 10, . | 1.2 | 7 |
| 94 | Demographic responses underlying ecoâ€evolutionary dynamics as revealed with inverse modelling. Journal of Animal Ecology, 2019, 88, 768-779. | 2.8 | 7 |
| 95 | Relative contributions of fixed and dynamic heterogeneity to variation in lifetime reproductive success in kestrels (<scp>Falco tinnunculus</scp>). Population Ecology, 2020, 62, 408-424. | 1.2 | 7 |
| 96 | Smart Insect Cameras. Biodiversity Information Science and Standards, 0, 3, . | 0.0 | 7 |
| 97 | Spatiotemporal variation in disturbance impacts derived from simultaneous tracking of aircraft and shorebirds. Journal of Applied Ecology, 2020, 57, 2406-2418. | 4.0 | 6 |
| 98 | Predation and survival in reintroduced populations of the Common hamster Cricetus cricetus in the Netherlands. Mammalian Biology, 2020, 100, 569-579. | 1.5 | 6 |
| 99 | European badger habitat requirements in the Netherlands â€“ combining ecological niche models with neighbourhood analysis. Wildlife Biology, 2018, 2018, 1-11. | 1.4 | 6 |
| 100 | Relating plant height to demographic rates and extinction vulnerability. Biological Conservation, 2018, 220, 104-111. | 4.1 | 5 |
| 101 | Rainfall and temperature change drive Arnica montana population dynamics at the Northern distribution edge. Oecologia, 2019, 191, 565-578. | 2.0 | 5 |
| 102 | Why timeâ€limited individuals can make populations more vulnerable to disturbance. Oikos, 2021, 130, 637-651. | 2.7 | 4 |
| 103 | Reply to Redlich etÂal.: Insect biomass and diversity do correlate, over time. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 4 |
| 104 | Hostâ€“parasite dynamics shaped by temperature and genotype: Quantifying the role of underlying vital rates. Functional Ecology, 2022, 36, 485-499. | 3.6 | 3 |
| 105 | Chance, Variation and the Nature of Causality in Ecological Communities. The Frontiers Collection, 2016, , 197-214. | 0.2 | 2 |
| 106 | Love thy neighbour?â€”Spatial variation in density dependence of nest survival in relation to predator community. Diversity and Distributions, 0, , . | 4.1 | 2 |
| 107 | Integrated population modeling identifies low duckling survival as a key driver of decline in a European population of the Mallard. Condor, 2022, 124, . | 1.6 | 2 |
| 108 | Reproduction probabilities and size distributions of the smooth snake Coronella austriaca in the Netherlands and Norway. Amphibia - Reptilia, 2020, 42, 167-178. | 0.5 | 1 |

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|---|---|---|---|
| 109 | Efficient use of demographic data: integrated population models. , 2021, , 245-256. | | 1 |
| 110 | Stateâ€dependent environmental sensitivity of reproductive success and survival in a shorebird. Ibis, 0, , . | 1.9 | 0 |