Jacobus C Biesmeijer

List of Publications by Year
in descending order

74 papers	11,835 citations	81743 39 h-index	82410 72 g-index
75 all docs	75 docs citations	75 times ranked	10593 citing authors

#	Article	IF	Citations
1	Global pollinator declines: trends, impacts and drivers. Trends in Ecology and Evolution, 2010, 25, 345-353.	4.2	4,333
2	Safeguarding pollinators and their values to human well-being. Nature, 2016, 540, 220-229.	13.7	1,204
3	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. Nature Communications, 2015, 6, 7414.	5.8	656
4	MEASURING BEE DIVERSITY IN DIFFERENT EUROPEAN HABITATS AND BIOGEOGRAPHICAL REGIONS. Ecological Monographs, 2008, 78, 653-671.	2.4	562
5	Combined effects of global change pressures on animal-mediated pollination. Trends in Ecology and Evolution, 2013, 28, 524-530.	4.2	320
6	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. Biological Reviews, 2010, 85, 777-795.	4.7	259
7	Dispersal capacity and diet breadth modify the response of wild bees to habitat loss. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2075-2082.	1.2	217
8	Fit-for-Purpose: Species Distribution Model Performance Depends on Evaluation Criteria â€“ Dutch Hoverflies as a Case Study. PLoS ONE, 2013, 8, e63708.	1.1	207
9	Global agricultural productivity is threatened by increasing pollinator dependence without a parallel increase in crop diversification. Global Change Biology, 2019, 25, 3516-3527.	4.2	206
10	Comparison of pollinators and natural enemies: a metaâ€analysis of landscape and local effects on abundance and richness in crops. Biological Reviews, 2013, 88, 1002-1021.	4.7	202
11	Effects of patch size and density on flower visitation and seed set of wild plants: a panâ€European approach. Journal of Ecology, 2010, 98, 188-196.	1.9	199
12	Agricultural Policies Exacerbate Honeybee Pollination Service Supply-Demand Mismatches Across Europe. PLoS ONE, 2014, 9, e82996.	1.1	171
13	Climatic Risk and Distribution Atlas of European Bumblebees. BioRisk, 0, 10, 1-236.	0.2	171
14	The use of waggle dance information by honey bees throughout their foraging careers. Behavioral Ecology and Sociobiology, 2005, 59, 133-142.	0.6	169
15	Sublethal neonicotinoid insecticide exposure reduces solitary bee reproductive success. Agricultural and Forest Entomology, 2014, 16, 119-128.	0.7	154
16	Pervasiveness of Parasites in Pollinators. PLoS ONE, 2012, 7, e30641.	1.1	137
17	Assessing bee species richness in two Mediterranean communities: importance of habitat type and sampling techniques. Ecological Research, 2011, 26, 969-983.	0.7	135
18	Improving species distribution models using biotic interactions: a case study of parasites, pollinators and plants. Ecography, 2013, 36, 649-656.	2.1	129

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19	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.	1.2	120
20	Modelling collective foraging by means of individual behaviour rules in honey-bees. Behavioral Ecology and Sociobiology, 1998, 44, 109-124.	0.6	119
21	Pollinator conservationâ€"the difference between managing for pollination services and preserving pollinator diversity. Current Opinion in Insect Science, 2015, 12, 93-101.	2.2	118
22	The use of field-based social information in eusocial foragers: local enhancement among nestmates and heterospecifics in stingless bees. Ecological Entomology, 2003, 28, 369-379.	1.1	101
23	Realising multiple ecosystem services based on the response of three beneficial insect groups to floral traits and trait diversity. Basic and Applied Ecology, 2012, 13, 363-370.	1.2	101
24	Information flow and organization of stingless bee foraging. Apidologie, 2004, 35, 143-157.	0.9	97
25	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.	1.9	95
26	The interplay of climate and land use change affects the distribution of <scp>EU</scp> bumblebees. Global Change Biology, 2018, 24, 101-116.	4.2	84
27	Successful invaders co-opt pollinators of native flora and accumulate insect pollinators with increasing residence time. Ecological Monographs, 2011, 81, 277-293.	2.4	83
28	The structure of eusocial bee assemblages in Brazil. Apidologie, 2006, 37, 240-258.	0.9	77
29	Responses of bees to habitat loss in fragmented landscapes of Brazilian Atlantic Rainforest. Landscape Ecology, 2015, 30, 2067-2078.	1.9	77
30	Developing European conservation and mitigation tools for pollination services: approaches of the STEP (Status and Trends of European Pollinators) project. Journal of Apicultural Research, 2011, 50, 152-164.	0.7	64
31	Landscape context and elevation affect pollinator communities in intensive apple orchards. Basic and Applied Ecology, 2012, 13, 681-689.	1.2	63
32	The role of internal and external information in foraging decisions of Melipona workers (Hymenoptera: Meliponinae). Behavioral Ecology and Sociobiology, 1998, 42, 107-116.	0.6	61
33	Convergent evolution: floral guides, stingless bee nest entrances, and insectivorous pitchers. Die Naturwissenschaften, 2005, 92, 444-450.	0.6	58
34	Niche differentiation in nectar-collecting stingless bees: the influence of morphology, floral choice and interference competition. Ecological Entomology, 1999, 24, 380-388.	1.1	57
35	Climateâ€driven spatial mismatches between British orchards and their pollinators: increased risks of pollination deficits. Global Change Biology, 2014, 20, 2815-2828.	4.2	57
36	Species Distribution Models for Crop Pollination: A Modelling Framework Applied to Great Britain. PLoS ONE, 2013, 8, e76308.	1.1	54

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37	Functional traits help to explain half-century long shifts in pollinator distributions. Scientific Reports, 2016, 6, 24451.	1.6	49
38	Effects of pollen species composition on the foraging behaviour and offspring performance of the mason bee Osmia bicornis (L.). Basic and Applied Ecology, 2017, 18, 21-30.	1.2	44
39	Parasite Pressures on Feral Honey Bees (Apis mellifera sp.). PLoS ONE, 2014, 9, e105164.	1.1	44
40	Susceptibility of pollinators to ongoing landscape changes depends on landscape history. Diversity and Distributions, 2015, 21, 1129-1140.	1.9	43
41	Wild insect diversity increases inter-annual stability in global crop pollinator communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210212.	1.2	43
42	Recruitment and communication of food source location in three species of stingless bees (Hymenoptera, Apidae, Meliponini). Apidologie, 2005, 36, 313-324.	0.9	42
43	Self-organization in collective honeybee foraging: emergence of symmetry breaking, cross inhibition and equal harvest-rate distribution. Behavioral Ecology and Sociobiology, 2002, 51, 557-569.	0.6	41
44	Social foraging in stingless bees: how colonies of Melipona fasciata choose among nectar sources. Behavioral Ecology and Sociobiology, 1999, 46, 129-140.	0.6	40
45	Exploring the relationships between landscape complexity, wild bee species richness and reproduction, and pollination services along a complexity gradient in the Netherlands. Biological Conservation, 2017, 214, 312-319.	1.9	39
46	Alien and native plants show contrasting responses to climate and land use in Europe. Global Ecology and Biogeography, 2011, 20, 367-379.	2.7	36
47	The effect of proximity to a honeybee apiary on bumblebee colony fitness, development, and performance. Apidologie, 2014, 45, 504-513.	0.9	36
48	Scaling up effects of measures mitigating pollinator loss from localâ€•to landscapeâ€level population responses. Methods in Ecology and Evolution, 2018, 9, 1727-1738.	2.2	35
49	Landscape complexity and farmland biodiversity: Evaluating the CAP target on natural elements. Journal for Nature Conservation, 2016, 30, 19-26.	0.8	32
50	Butterflies show different functional and species diversity in relationship to vegetation structure and land use. Global Ecology and Biogeography, 2017, 26, 1126-1137.	2.7	31
51	Progress on bringing together raptor collections in Europe for contaminant research and monitoring in relation to chemicals regulation. Environmental Science and Pollution Research, 2019, 26, 20132-20136.	2.7	30
52	Pollinator community responses to the spatial population structure of wild plants: A pan-European approach. Basic and Applied Ecology, 2012, 13, 489-499.	1.2	28
53	Biodiversity change is scale-dependent: an example from Dutch and UK hoverflies (Diptera, Syrphidae). Ecography, 2011, 34, 392-401.	2.1	26
54	Soil eutrophication shaped the composition of pollinator assemblages during the past century. Ecography, 2020, 43, 209-221.	2.1	26

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55	Discrimination of haploid and diploid males of Bombus terrestris (Hymenoptera; Apidae) based on wing shape. Apidologie, 2015, 46, 644-653.	0.9	23
56	Historical changes in the importance of climate and land use as determinants of Dutch pollinator distributions. Journal of Biogeography, 2017, 44, 696-707.	1.4	23
57	Forest and connectivity loss simplify tropical pollination networks. Oecologia, 2020, 192, 577-590.	0.9	22
58	Nectar foraging by stingless bees in Costa Rica: botanical and climatological influences on sugar concentration of nectar collected by Melipona. Apidologie, 1999, 30, 43-55.	0.9	21
59	Microsatellite Analysis of Museum Specimens Reveals Historical Differences in Genetic Diversity between Declining and More Stable Bombus Species. PLoS ONE, 2015, 10, e0127870.	1.1	21
60	The Occurrence and Context of the Shaking Signal in Honey Bees (Apis mellifera) Exploiting Natural Food Sources. Ethology, 2003, 109, 1009-1020.	0.5	18
61	Bee conservation: Inclusive solutions. Science, 2018, 360, 389-390.	6.0	16
62	Assessing continental-scale risks for generalist and specialist pollinating bee species under climate change. BioRisk, 2011, 6, 1-18.	0.2	15
63	Risk of potential pesticide use to honeybee and bumblebee survival and distribution: A countryâ€wide analysis for The Netherlands. Diversity and Distributions, 2019, 25, 1709-1720.	1.9	14
64	Decline of unique Pontocaspian biodiversity in the Black Sea Basin: A review. Ecology and Evolution, 2021, 11, 12923-12947.	0.8	12
65	Temporal-Spatial Dynamics in Orthoptera in Relation to Nutrient Availability and Plant Species Richness. PLoS ONE, 2013, 8, e71736.	1.1	11
66	Functional traits explain crayfish invasive success in the Netherlands. Scientific Reports, 2021, 11, 2772.	1.6	10
67	Social network analysis and the implications for Pontocaspian biodiversity conservation in Romania and Ukraine: A comparative study. PLoS ONE, 2020, 15, e0221833.	1.1	10
68	Perceptions of priority issues in the conservation of biodiversity and ecosystems in India. Biological Conservation, 2015, 187, 201-211.	1.9	9
69	Testing projected wild bee distributions in agricultural habitats: predictive power depends on species traits and habitat type. Ecology and Evolution, 2015, 5, 4426-4436.	0.8	9
70	Grassland management for meadow birds in the Netherlands is unfavourable to pollinators. Basic and Applied Ecology, 2020, 43, 52-63.	1.2	7
71	Using social network analysis to assess the Pontocaspian biodiversity conservation capacity in Ukraine. Ecology and Society, 2020, 25, .	1.0	5
72	Stingless bees: biology and management. Apidologie, 2006, 37, 121-123.	0.9	4

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73	Importance of natural land cover for plant speciesâ€™ conservation: A nationwide study in The Netherlands. PLoS ONE, 2021, 16, e0259255.	1.1	3
74	Legal Framework for Pontocaspian Biodiversity Conservation in the Danube Delta (Romania and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	0.9	0