Catrin Westphal

List of Publications by Year
in descending order

84 papers	13,632 citations	76326 40 h-index	56724 83 g-index
90 all docs	90 docs citations	90 times ranked	12125 citing authors

#	Article	IF	Citations
1	Broadening the scope of empirical studies to answer persistent questions in landscape-moderated effects on biodiversity and ecosystem functioning. Advances in Ecological Research, 2022, 65, 109-131.	2.7	4
2	Restoring biodiversity needs more than reducing pesticides. Trends in Ecology and Evolution, 2022, 37, 115-116.	8.7	7
3	Pollen and landscape diversity as well as wax moth depredation determine reproductive success of bumblebees in agricultural landscapes. Agriculture, Ecosystems and Environment, 2022, 326, 107788.	5.3	6
4	Land-use intensity and landscape structure drive the acoustic composition of grasslands. Agriculture, Ecosystems and Environment, 2022, 328, 107845.	5.3	8
5	Present and historical landscape structure shapes current species richness in Central European grasslands. Landscape Ecology, 2022, 37, 745-762.	4.2	9
6	Prioritise the most effective measures for biodiversity-friendly agriculture. Trends in Ecology and Evolution, 2022, , .	8.7	2
7	Landscape composition modifies pollinator densities, foraging behavior and yield formation in faba beans. Basic and Applied Ecology, 2022, 61, 30-40.	2.7	6
8	Biomonitoring via DNA metabarcoding and light microscopy of bee pollen in rainforest transformation landscapes of Sumatra. Bmc Ecology and Evolution, 2022, 22, 51.	1.6	6
9	Spatiotemporal land-use diversification for biodiversity. Trends in Ecology and Evolution, 2022, , .	8.7	2
10	Bee abundance and soil nitrogen availability interactively modulate apple quality and quantity in intensive agricultural landscapes of China. Agriculture, Ecosystems and Environment, 2021, 305, 107168.	5.3	10
11	Crop pollination services: Complementary resource use by social vs solitary bees facing crops with contrasting flower supply. Journal of Applied Ecology, 2021, 58, 476-485.	4.0	29
12	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
13	Modeling the multiâ€functionality of African savanna landscapes under global change. Land Degradation and Development, 2021, 32, 2077-2081.	3.9	10
14	Identity of mass-flowering crops moderates functional trait composition of pollinator communities. Landscape Ecology, 2021, 36, 2657-2671.	4.2	14
15	Effects of three flower field types on bumblebees and their pollen diets. Basic and Applied Ecology, 2021, 52, 95-108.	2.7	16
16	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. Nature Communications, 2021, 12, 3918.	12.8	81
17	Vascular plant species diversity in Southeast Asian rice ecosystems is determined by climate and soil conditions as well as the proximity of non-paddy habitats. Agriculture, Ecosystems and Environment, 2021, 314, 107346.	5.3	1
18	Taxonomic and functional homogenization of farmland birds along an urbanization gradient in a tropical megacity. Global Change Biology, 2021, 27, 4980-4994.	9.5	34

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19	Using ecological and field survey data to establish a national list of the wild bee pollinators of crops. Agriculture, Ecosystems and Environment, 2021, 315, 107447.	5.3	24
20	Contrasting effects of past and present mass-flowering crop cultivation on bee pollinators shaping yield components in oilseed rape. Agriculture, Ecosystems and Environment, 2021, 319, 107537.	5.3	10
21	Beyond organic farming â€“ harnessing biodiversity-friendly landscapes. Trends in Ecology and Evolution, 2021, 36, 919-930.	8.7	219
22	Assessing the impact of grassland management on landscape multifunctionality. Ecosystem Services, 2021, 52, 101366.	5.4	25
23	Foraging of honey bees in agricultural landscapes with changing patterns of flower resources. Agriculture, Ecosystems and Environment, 2020, 291, 106792.	5.3	40
24	International scientists formulate a roadmap for insect conservation and recovery. Nature Ecology and Evolution, 2020, 4, 174-176.	7.8	176
25	Using ITS2 metabarcoding and microscopy to analyse shifts in pollen diets of honey bees and bumble bees along a massâ€flowering crop gradient. Molecular Ecology, 2020, 29, 5003-5018.	3.9	24
26	Functional groups of wild bees respond differently to faba bean <i>Vicia faba</i> L. cultivation at landscape scale. Journal of Applied Ecology, 2020, 57, 2499-2508.	4.0	26
27	Analyzing the Dietary Diary of Bumble Bee. Frontiers in Plant Science, 2020, 11, 287.	3.6	16
28	Towards the development of general rules describing landscape heterogeneityâ€“multifunctionality relationships. Journal of Applied Ecology, 2019, 56, 168-179.	4.0	42
29	Cross-scale effects of land use on the functional composition of herbivorous insect communities. Landscape Ecology, 2019, 34, 2001-2015.	4.2	16
30	Transferring biodiversity-ecosystem function research to the management of â€˜real-worldâ€™ ecosystems. Advances in Ecological Research, 2019, 61, 323-356.	2.7	51
31	Contrasting effects of natural shrubland and plantation forests on bee assemblages at neighboring apple orchards in Beijing, China. Biological Conservation, 2019, 237, 456-462.	4.1	28
32	A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121.	10.3	524
33	Fruit quantity and quality of strawberries benefit from enhanced pollinator abundance at hedgerows in agricultural landscapes. Agriculture, Ecosystems and Environment, 2019, 275, 14-22.	5.3	43
34	Vulnerability of Ecosystem Services in Farmland Depends on Landscape Management. , 2019, , 91-96.		5
35	Rice Ecosystem Services in South-East Asia: The LEGATO Project, Its Approaches and Main Results with a Focus on Biocontrol Services. , 2019, , 373-382.		2
36	Landâ€sharing/â€sparing connectivity landscapes for ecosystem services and biodiversity conservation. People and Nature, 2019, 1, 262-272.	3.7	152

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37	How plant reproductive success is determined by the interplay of antagonists and mutualists. Ecosphere, 2018, 9, e02106.	2.2	20
38	Insect pollination as a key factor for strawberry physiology and marketable fruit quality. Agriculture, Ecosystems and Environment, 2018, 258, 197-204.	5.3	63
39	The LEGATO cross-disciplinary integrated ecosystem service research framework: an example of integrating research results from the analysis of global change impacts and the social, cultural and economic system dynamics of irrigated rice production. Paddy and Water Environment, 2018, 16, 287-319.	1.8	11
40	Hopper parasitoids do not significantly benefit from non-crop habitats in rice production landscapes. Agriculture, Ecosystems and Environment, 2018, 254, 224-232.	5.3	29
41	Plant-pollinator interactions and bee functional diversity are driven by agroforests in rice-dominated landscapes. Agriculture, Ecosystems and Environment, 2018, 253, 140-147.	5.3	28
42	Woody habitats promote pollinators and complexity of plantâ€“pollinator interactions in homegardens located in rice terraces of the Philippine Cordilleras. Paddy and Water Environment, 2018, 16, 253-263.	1.8	13
43	Bee pollinators of faba bean (Vicia faba L.) differ in their foraging behaviour and pollination efficiency. Agriculture, Ecosystems and Environment, 2018, 264, 24-33.	5.3	70
44	Rice ecosystem services in South-east Asia. Paddy and Water Environment, 2018, 16, 211-224.	1.8	20
45	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0.784314 rgBT /Ove	1.9	186
46	Direct and indirect effects of agricultural intensification on a host-parasitoid system on the ribwort plantain (Plantago lanceolata L.) in a landscape context. Landscape Ecology, 2017, 32, 2015-2028.	4.2	3
47	Land-use intensification causes multitrophic homogenization of grassland communities. Nature, 2016, 540, 266-269.	27.8	404
48	Plant size affects mutualistic and antagonistic interactions and reproductive success across 21 Brassicaceae species. Ecosphere, 2016, 7, e01529.	2.2	17
49	How landscape, pollen intake and pollen quality affect colony growth in Bombus terrestris. Landscape Ecology, 2016, 31, 2245-2258.	4.2	63
50	Locally rare species influence grassland ecosystem multifunctionality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150269.	4.0	117
51	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. Nature, 2016, 536, 456-459.	27.8	526
52	Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. Scientific Reports, 2016, 6, 31153.	3.3	92
53	Plant Size as Determinant of Species Richness of Herbivores, Natural Enemies and Pollinators across 21 Brassicaceae Species. PLoS ONE, 2015, 10, e0135928.	2.5	41
54	Feeding damage to plants increases with plant size across 21 Brassicaceae species. Oecologia, 2015, 179, 455-466.	2.0	15

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55	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. Ecology Letters, 2015, 18, 834-843.	6.4	578
56	Agricultural landscapes and ecosystem services in South-East Asiaâ€"the LEGATO-Project. Basic and Applied Ecology, 2015, 16, 661-664.	2.7	46
57	Configurational landscape heterogeneity shapes functional community composition of grassland butterflies. Journal of Applied Ecology, 2015, 52, 505-513.	4.0	129
58	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. Nature Communications, 2015, 6, 7414.	12.8	656
59	Landscape simplification filters species traits and drives biotic homogenization. Nature Communications, 2015, 6, 8568.	12.8	399
60	Promoting multiple ecosystem services with flower strips and participatory approaches in rice production landscapes. Basic and Applied Ecology, 2015, 16, 681-689.	2.7	77
61	Contribution of insect pollinators to crop yield and quality varies with agricultural intensification. PeerJ, 2014, 2, e328.	2.0	183
62	Interannual variation in land-use intensity enhances grassland multidiversity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 308-313.	7.1	243
63	Enhancing crop shelf life with pollination. Agriculture and Food Security, 2014, 3, .	4.2	14
64	Functional beetle diversity in managed grasslands: effects of region, landscape context and land use intensity. Landscape Ecology, 2014, 29, 529-540.	4.2	24
65	Landscape composition and configuration differently affect trap-nesting bees, wasps and their antagonists. Biological Conservation, 2014, 172, 56-64.	4.1	97
66	Bee pollination improves crop quality, shelf life and commercial value. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132440.	2.6	305
67	Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611.	12.6	1,767
68	A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. Ecology Letters, 2013, 16, 584-599.	6.4	875
69	Flower Volatiles, Crop Varieties and Bee Responses. PLoS ONE, 2013, 8, e72724.	2.5	60
70	Landscape moderation of biodiversity patterns and processes â€•eight hypotheses. Biological Reviews, 2012, 87, 661-685.	10.4	1,443
71	Stability of pollination services decreases with isolation from natural areas despite honey bee visits. Ecology Letters, 2011, 14, 1062-1072.	6.4	681
72	Alien plants associate with widespread generalist arbuscular mycorrhizal fungal taxa: evidence from a continental-scale study using massively parallel 454 sequencing. Journal of Biogeography, 2011, 38, 1305-1317.	3.0	137

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73	Assessing bee species richness in two Mediterranean communities: importance of habitat type and sampling techniques. Ecological Research, 2011, 26, 969-983.	1.5	135
74	Establishment of a cross-European field site network in the ALARM project for assessing large-scale changes in biodiversity. Environmental Monitoring and Assessment, 2010, 164, 337-348.	2.7	10
75	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. Biological Reviews, 2010, 85, 777-795.	10.4	259
76	Mass flowering oilseed rape improves early colony growth but not sexual reproduction of bumblebees. Journal of Applied Ecology, 2009, 46, 187-193.	4.0	200
77	Landscape context and habitat type as drivers of bee diversity in European annual crops. Agriculture, Ecosystems and Environment, 2009, 133, 40-47.	5.3	134
78	The interplay of pollinator diversity, pollination services and landscape change. Journal of Applied Ecology, 2008, 45, 737-741.	4.0	121
79	Diversity of wild bees in wet meadows: Implications for conservation. Wetlands, 2008, 28, 975-983.	1.5	42
80	MEASURING BEE DIVERSITY IN DIFFERENT EUROPEAN HABITATS AND BIOGEOGRAPHICAL REGIONS. Ecological Monographs, 2008, 78, 653-671.	5.4	562
81	Genetic diversity and mass resources promote colony size and forager densities of a social bee (Bombus pascuorum) in agricultural landscapes. Molecular Ecology, 2007, 16, 1167-1178.	3.9	126
82	Bumblebees experience landscapes at different spatial scales: possible implications for coexistence. Oecologia, 2006, 149, 289-300.	2.0	205
83	Foraging trip duration of bumblebees in relation to landscape-wide resource availability. Ecological Entomology, 2006, 31, 389-394.	2.2	100
84	Mass flowering crops enhance pollinator densities at a landscape scale. Ecology Letters, 2003, 6, 961-965.	6.4	569