Wolfgang W Weisser

List of Publications by Year
in descending order

365 papers	27,806 citations	5891 81 h-index	8852 145 g-index
378 all docs	378 docs citations	378 times ranked	23549 citing authors

#	Article	IF	Citations
1	Persistent negative effects of pesticides on biodiversity and biological control potential on European farmland. Basic and Applied Ecology, 2010, 11, 97-105.	1.2	1,039
2	Biodiversity increases the resistance of ecosystem productivity to climate extremes. Nature, 2015, 526, 574-577.	13.7	1,032
3	Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment. Nature, 2010, 468, 553-556.	13.7	786
4	Arthropod decline in grasslands and forests is associated with landscape-level drivers. Nature, 2019, 574, 671-674.	13.7	760
5	Implementing large-scale and long-term functional biodiversity research: The Biodiversity Exploratories. Basic and Applied Ecology, 2010, 11, 473-485.	1.2	649
6	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. Ecology Letters, 2015, 18, 834-843.	3.0	578
7	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. Nature, 2016, 536, 456-459.	13.7	526
8	The role of biodiversity for element cycling and trophic interactions: an experimental approach in a grassland community. Basic and Applied Ecology, 2004, 5, 107-121.	1.2	508
9	Functional identity and diversity of animals predict ecosystem functioning better than species-based indices. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142620.	1.2	467
10	Plant diversity effects on soil microorganisms support the singular hypothesis. Ecology, 2010, 91, 485-496.	1.5	409
11	Land-use intensification causes multitrophic homogenization of grassland communities. Nature, 2016, 540, 266-269.	13.7	404
12	Landscape simplification filters species traits and drives biotic homogenization. Nature Communications, 2015, 6, 8568.	5.8	399
13	Agricultural landscape simplification reduces natural pest control: A quantitative synthesis. Agriculture, Ecosystems and Environment, 2016, 221, 198-204.	2.5	393
14	How does plant richness affect pollinator richness and temporal stability of flower visits?. Oikos, 2008, 117, 1808-1815.	1.2	335
15	A quantitative index of land-use intensity in grasslands: Integrating mowing, grazing and fertilization. Basic and Applied Ecology, 2012, 13, 207-220.	1.2	325
16	Plant species richness and functional composition drive overyielding in a sixâ€year grassland experiment. Ecology, 2009, 90, 3290-3302.	1.5	317
17	Nature-based Solutions: New Influence for Environmental Management and Research in Europe. Gaia, 2015, 24, 243-248.	0.3	307
18	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. Basic and Applied Ecology, 2017, 23, 1-73.	1.2	307

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19	Conservation in Brazil needs to include nonâ€forest ecosystems. Diversity and Distributions, 2015, 21, 1455-1460.	1.9	273
20	The evolutionary ecology of dispersal. Trends in Ecology and Evolution, 1999, 14, 88-90.	4.2	272
21	Environmental Factors Affect Acidobacterial Communities below the Subgroup Level in Grassland and Forest Soils. Applied and Environmental Microbiology, 2012, 78, 7398-7406.	1.4	272
22	Overyielding in experimental grassland communities - irrespective of species pool or spatial scale. Ecology Letters, 2005, 8, 419-429.	3.0	259
23	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. Global Change Biology, 2017, 23, 4946-4957.	4.2	259
24	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.	3.3	243
25	How Agricultural Intensification Affects Biodiversity and Ecosystem Services. Advances in Ecological Research, 2016, 55, 43-97.	1.4	234
26	More diverse plant communities have higher functioning over time due to turnover in complementary dominant species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17034-17039.	3.3	227
27	Agricultural intensification and biodiversity partitioning in European landscapes comparing plants, carabids, and birds. , 2011, 21, 1772-1781.		221
28	Get the science right when paying for nature's services. Science, 2015, 347, 1206-1207.	6.0	206
29	Mixed effects of organic farming and landscape complexity on farmland biodiversity and biological control potential across Europe. Journal of Applied Ecology, 2011, 48, 570-579.	1.9	205
30	Predator-induced morphological shift in the pea aphid. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1175-1181.	1.2	190
31	Current Nearâ€toâ€Nature Forest Management Effects on Functional Trait Composition of Saproxylic Beetles in Beech Forests. Conservation Biology, 2013, 27, 605-614.	2.4	188
32	The impact of evenâ€aged and unevenâ€aged forest management on regional biodiversity of multiple taxa in European beech forests. Journal of Applied Ecology, 2018, 55, 267-278.	1.9	188
33	Multiple forest attributes underpin the supply of multiple ecosystem services. Nature Communications, 2018, 9, 4839.	5.8	182
34	Ecosystem Services for 2020. Science, 2010, 330, 323-324.	6.0	178
35	Interacting effects of fertilization, mowing and grazing on plant species diversity of 1500 grasslands in Germany differ between regions. Basic and Applied Ecology, 2013, 14, 126-136.	1.2	177
36	Alarm pheromone mediates production of winged dispersal morphs in aphids. Ecology Letters, 2005, 8, 596-603.	3.0	173

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37	Plant Diversity Surpasses Plant Functional Groups and Plant Productivity as Driver of Soil Biota in the Long Term. PLoS ONE, 2011, 6, e16055.	1.1	172
38	Niche pre-emption increases with species richness in experimental plant communities. Journal of Ecology, 2007, 95, 65-78.	1.9	169
39	Longâ€term study of root biomass in a biodiversity experiment reveals shifts in diversity effects over time. Oikos, 2014, 123, 1528-1536.	1.2	165
40	Land-use intensity alters networks between biodiversity, ecosystem functions, and services. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28140-28149.	3.3	164
41	The relationship between agricultural intensification and biological control: experimental tests across Europe. , 2011, 21, 2187-2196.		157
42	Biodiversityâ€“multifunctionality relationships depend on identity and number of measured functions. Nature Ecology and Evolution, 2018, 2, 44-49.	3.4	155
43	Wood decay rates of 13 temperate tree species in relation to wood properties, enzyme activities and organismic diversities. Forest Ecology and Management, 2017, 391, 86-95.	1.4	151
44	Intransitive competition is widespread in plant communities and maintains their species richness. Ecology Letters, 2015, 18, 790-798.	3.0	149
45	Butterfly community shifts over two centuries. Conservation Biology, 2016, 30, 754-762.	2.4	146
46	An analysis of plant-aphid interactions by different microarray hybridization strategies. Molecular Ecology, 2004, 13, 3187-3195.	2.0	144
47	Plant diversity effects on soil microbial functions and enzymes are stronger than warming in a grassland experiment. Ecology, 2015, 96, 99-112.	1.5	144
48	General Relationships between Abiotic Soil Properties and Soil Biota across Spatial Scales and Different Land-Use Types. PLoS ONE, 2012, 7, e43292.	1.1	142
49	Integrating ecosystem functions into restoration ecologyâ€”recent advances and future directions. Restoration Ecology, 2016, 24, 722-730.	1.4	140
50	The natural occurrence of secondary bacterial symbionts in aphids. Ecological Entomology, 2016, 41, 13-26.	1.1	139
51	Multiple plant diversity components drive consumer communities across ecosystems. Nature Communications, 2019, 10, 1460.	5.8	139
52	Complementarity effects through dietary mixing enhance the performance of a generalist insect herbivore. Oecologia, 2008, 156, 313-324.	0.9	131
53	EARTHWORMS AND LEGUMES CONTROL LITTER DECOMPOSITION IN A PLANT DIVERSITY GRADIENT. Ecology, 2008, 89, 1872-1882.	1.5	131
54	Optimal killing for obligate killers: the evolution of life histories and virulence of semelparous parasites. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 985-991.	1.2	128

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55	THE EFFECTS OF MUTUALISTIC ANTS ON APHID LIFE HISTORY TRAITS. Ecology, 2000, 81, 3522-3529.	1.5	125
56	Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. Nature Communications, 2016, 7, 10697.	5.8	125
57	Biodiversity for multifunctional grasslands: equal productivity in high-diversity low-input and low-diversity high-input systems. Biogeosciences, 2009, 6, 1695-1706.	1.3	124
58	The contribution of insects to global forest deadwood decomposition. Nature, 2021, 597, 77-81.	13.7	123
59	Mechanisms linking plant community properties to soil aggregate stability in an experimental grassland plant diversity gradient. Plant and Soil, 2013, 373, 285-299.	1.8	121
60	Aboveground overyielding in grassland mixtures is associated with reduced biomass partitioning to belowground organs. Ecology, 2009, 90, 1520-1530.	1.5	117
61	Locally rare species influence grassland ecosystem multifunctionality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150269.	1.8	117
62	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. Nature Communications, 2015, 6, 6092.	5.8	116
63	Soil and Plant Nitrogen Pools as Related to Plant Diversity in an Experimental Grassland. Soil Science Society of America Journal, 2007, 71, 720-729.	1.2	114
64	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. Nature Ecology and Evolution, 2020, 4, 1602-1611.	3.4	114
65	Chemical cues mediating aphid location by natural enemies. European Journal of Entomology, 2008, 105, 797-806.	1.2	107
66	Identifying populationâ€•and communityâ€level mechanisms of diversityâ€“stability relationships in experimental grasslands. Journal of Ecology, 2011, 99, 1460-1469.	1.9	105
67	Parasitoids induce production of the dispersal morph of the pea aphid, Acyrthosiphon pisum. Oikos, 2002, 98, 323-333.	1.2	103
68	High plant species richness indicates management-related disturbances rather than the conservation status of forests. Basic and Applied Ecology, 2013, 14, 496-505.	1.2	102
69	Effects of plant diversity, community composition and environmental parameters on productivity in montane European grasslands. Oecologia, 2005, 142, 606-615.	0.9	100
70	Effects of plant diversity, plant productivity and habitat parameters on arthropod abundance in montane European grasslands. Ecography, 2005, 28, 429-442.	2.1	98
71	Towards a standardized Rapid Ecosystem Function Assessment (REFA). Trends in Ecology and Evolution, 2015, 30, 390-397.	4.2	98
72	Diversity Promotes Temporal Stability across Levels of Ecosystem Organization in Experimental Grasslands. PLoS ONE, 2010, 5, e13382.	1.1	95

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73	Effects of forest management on ground-dwelling beetles (Coleoptera; Carabidae, Staphylinidae) in Central Europe are mainly mediated by changes in forest structure. Forest Ecology and Management, 2014, 329, 166-176.	1.4	95
74	A multitrophic perspective on biodiversityâ€“ecosystem functioning research. Advances in Ecological Research, 2019, 61, 1-54.	1.4	95
75	The Jena Experiment: six years of data from a grassland biodiversity experiment. Ecology, 2010, 91, 930-931.	1.5	94
76	The results of biodiversityâ€“ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	3.4	93
77	Effects of plant diversity on invertebrate herbivory in experimental grassland. Oecologia, 2006, 147, 489-500.	0.9	92
78	Specialisation and diversity of multiple trophic groups are promoted by different forest features. Ecology Letters, 2019, 22, 170-180.	3.0	92
79	Emission of Volatile Organic Compounds After Herbivory from Trifolium pratense (L.) Under Laboratory and Field Conditions. Journal of Chemical Ecology, 2009, 35, 1335-1348.	0.9	91
80	Ecosystem services, targets, and indicators for the conservation and sustainable use of biodiversity. Frontiers in Ecology and the Environment, 2011, 9, 512-520.	1.9	91
81	A comparison of the strength of biodiversity effects across multiple functions. Oecologia, 2013, 173, 223-237.	0.9	91
82	A trait-based experimental approach to understand the mechanisms underlying biodiversityâ€“ecosystem functioning relationships. Basic and Applied Ecology, 2014, 15, 229-240.	1.2	91
83	How Do Earthworms, Soil Texture and Plant Composition Affect Infiltration along an Experimental Plant Diversity Gradient in Grassland?. PLoS ONE, 2014, 9, e98987.	1.1	91
84	Plant diversity effects on aboveground and belowground N pools in temperate grassland ecosystems: Development in the first 5 years after establishment. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	90
85	The Importance of Adverse Weather Conditions for Behaviour and Population Ecology of an Aphid Parasitoid. Journal of Animal Ecology, 1997, 66, 386.	1.3	89
86	Towards an Integration of Biodiversityâ€“Ecosystem Functioning and Food Web Theory to Evaluate Relationships between Multiple Ecosystem Services. Advances in Ecological Research, 2015, , 161-199.	1.4	87
87	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. Ecosphere, 2016, 7, e01619.	1.0	87
88	Specific bottomâ€“up effects of arbuscular mycorrhizal fungi across a plantâ€“herbivoreâ€“parasitoid system. Oecologia, 2009, 160, 267-277.	0.9	86
89	Response of ground-nesting farmland birds to agricultural intensification across Europe: Landscape and field level management factors. Biological Conservation, 2012, 152, 74-80.	1.9	86
90	The interplay between density- and trait-mediated effects in predator-prey interactions: a case study in aphid wing polymorphism. Oecologia, 2003, 135, 304-312.	0.9	84

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91	Plant diversity effects on arthropods and arthropod-dependent ecosystem functions in a biodiversity experiment. Basic and Applied Ecology, 2018, 26, 50-63.	1.2	84
92	Designing wildlife-inclusive cities that support human-animal co-existence. Landscape and Urban Planning, 2020, 200, 103817.	3.4	83
93	Deadwood enrichment in European forests â€“ Which tree species should be used to promote saproxylic beetle diversity?. Biological Conservation, 2016, 201, 92-102.	1.9	82
94	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. Nature Communications, 2021, 12, 3918.	5.8	81
95	Regional organic carbon stock variability: A comparison between depth increments and soil horizons. Geoderma, 2010, 155, 426-433.	2.3	80
96	Predicting invertebrate herbivory from plant traits: evidence from 51 grassland species in experimental monocultures. Ecology, 2012, 93, 2674-2682.	1.5	80
97	Functionally and phylogenetically diverse plant communities key to soil biota. Ecology, 2013, 94, 1878-1885.	1.5	80
98	Plants are less negatively affected by flooding when growing in speciesâ€rich plant communities. New Phytologist, 2017, 213, 645-656.	3.5	79
99	Multitrophic effects of experimental changes in plant diversity on cavity-nesting bees, wasps, and their parasitoids. Oecologia, 2012, 169, 453-465.	0.9	77
100	Organic layer and clay content control soil organic carbon stocks in density fractions of differently managed German beech forests. Forest Ecology and Management, 2013, 303, 1-10.	1.4	76
101	Heterogeneityâ€“diversity relationships differ between and within trophic levels in temperate forests. Nature Ecology and Evolution, 2020, 4, 1204-1212.	3.4	76
102	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. Ecology, 2015, 96, 1492-1501.	1.5	75
103	Plant volatile emission depends on the species composition of the neighboring plant community. BMC Plant Biology, 2019, 19, 58.	1.6	75
104	Plant Diversity Impacts Decomposition and Herbivory via Changes in Aboveground Arthropods. PLoS ONE, 2014, 9, e106529.	1.1	73
105	Detecting the role of individual species for overyielding in experimental grassland communities composed of potentially dominant species. Oecologia, 2007, 154, 535-549.	0.9	72
106	Herbivore and pollinator responses to grassland management intensity along experimental changes in plant species richness. Biological Conservation, 2012, 150, 42-52.	1.9	72
107	Invertebrate herbivory along a gradient of plant species diversity in extensively managed grasslands. Oecologia, 2006, 150, 233-246.	0.9	71
108	Biodiversity Effects on Plant Stoichiometry. PLoS ONE, 2013, 8, e58179.	1.1	71

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109	Foraging strategies in solitary parasitoids: The trade-off between female and offspring mortality risks. Evolutionary Ecology, 1994, 8, 587-597.	0.5	69
110	Variation in Escape Behavior of Red and Green Clones of the Pea Aphid. , 2001, 14, 497-509.		69
111	Biodiversity enhances the multitrophic control of arthropod herbivory. Science Advances, 2020, 6, .	4.7	68
112	Impact of invertebrate herbivory in grasslands depends on plant species diversity. Ecology, 2010, 91, 1639-1650.	1.5	67
113	Landâ€use effects on the functional distinctness of arthropod communities. Ecography, 2015, 38, 889-900.	2.1	67
114	Metapopulation dynamics in an aphid-parasitoid system. Entomologia Experimentalis Et Applicata, 2000, 97, 83-92.	0.7	66
115	Radar vision in the mapping of forest biodiversity from space. Nature Communications, 2019, 10, 4757.	5.8	66
116	Mind the gaps when using science to address conservation concerns. Biodiversity and Conservation, 2013, 22, 2413-2427.	1.2	65
117	Permanent Genetic Resources added to Molecular Ecology Resources database 1 January 2009â€“30 April 2009. Molecular Ecology Resources, 2009, 9, 1375-1379.	2.2	64
118	Mixed effects of landscape structure and farming practice on bird diversity. Agriculture, Ecosystems and Environment, 2011, 141, 119-125.	2.5	64
119	The Various Effects of Insects on Ecosystem Functioning. Ecological Studies, 2008, , 3-24.	0.4	64
120	Invertebrate herbivory increases along an experimental gradient of grassland plant diversity. Oecologia, 2014, 174, 183-193.	0.9	63
121	Host Discrimination in Parasitic Wasps: When is it Advantageous?. Functional Ecology, 1993, 7, 27.	1.7	62
122	Landâ€use type and intensity differentially filter traits in aboveâ€and belowâ€ground arthropod communities. Journal of Animal Ecology, 2017, 86, 511-520.	1.3	62
123	Effect of plant species loss on aphidâ€“parasitoid communities. Journal of Animal Ecology, 2010, 79, 709-720.	1.3	60
124	Multiâ€taxa approach shows consistent shifts in arthropod functional traits along grassland landâ€use intensity gradient. Ecology, 2016, 97, 754-764.	1.5	59
125	Aphid movement: process and consequences.. , 2007, , 153-186.		59
126	Nitrogen and Phosphorus Budgets in Experimental Grasslands of Variable Diversity. Journal of Environmental Quality, 2007, 36, 396-407.	1.0	58

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127	Predatorâ€induced Dispersal and the Evolution of Conditional Dispersal in Correlated Environments. American Naturalist, 2010, 175, 577-586.	1.0	57
128	Forest management and regional tree composition drive the host preference of saproxylic beetle communities. Journal of Applied Ecology, 2015, 52, 753-762.	1.9	56
129	Plant species richness and functional traits affect community stability after a flood event. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150276.	1.8	56
130	Losers, winners, and opportunists: How grassland landâ€use intensity affects orthopteran communities. Ecosphere, 2016, 7, e01545.	1.0	54
131	Integrating agroecological production in a robust post-2020 Global Biodiversity Framework. Nature Ecology and Evolution, 2020, 4, 1150-1152.	3.4	54
132	Being a generalist herbivore in a diverse world: how do diets from different grasslands influence food plant selection and fitness of the grasshopper Chorthippus parallelus?. Ecological Entomology, 2010, 35, 126-138.	1.1	52
133	Quantity and quality of dissolved organic carbon released from coarse woody debris of different tree species in the early phase of decomposition. Forest Ecology and Management, 2014, 329, 287-294.	1.4	52
134	Landscape composition influences farm management effects on farmland birds in winter: A pan-European approach. Agriculture, Ecosystems and Environment, 2010, 139, 571-577.	2.5	51
135	Effect of pitfall trap type and diameter on vertebrate byâ€catches and ground beetle (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	51
136	No interactive effects of pesticides and plant diversity on soil microbial biomass and respiration. Applied Soil Ecology, 2009, 42, 31-36.	2.1	50
137	Does plant diversity influence phosphorus cycling in experimental grasslands?. Geoderma, 2011, 167-168, 178-187.	2.3	50
138	Ecological literacy and beyond: Problem-based learning for future professionals. Ambio, 2015, 44, 154-162.	2.8	50
139	Seed consumption and dispersal of ant-dispersed plants by slugs. Oecologia, 2010, 163, 681-693.	0.9	49
140	Secondary bacterial symbiont community in aphids responds to plant diversity. Oecologia, 2016, 180, 735-747.	0.9	49
141	Metapopulation structure of the specialized herbivore Macrosiphoniella tanacetaria (Homoptera,) Tj ETQq1 1 0.784314 rgBT /Overloc	2.0	48
142	The effects of plant diversity and insect herbivory on performance of individual plant species in experimental grassland. Journal of Ecology, 2006, 94, 922-931.	1.9	48
143	Plant diversity induces shifts in the functional structure and diversity across trophic levels. Oikos, 2018, 127, 208-219.	1.2	48
144	Functional trait dissimilarity drives both species complementarity and competitive disparity. Functional Ecology, 2017, 31, 2320-2329.	1.7	48

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145	Pea aphid clonal resistance to the endophagous parasitoid Aphidius ervi. Journal of Insect Physiology, 2002, 48, 971-980.	0.9	47
146	On the functional relationship between biodiversity and economic value. Science Advances, 2020, 6, eaax7712.	4.7	47
147	A summary of eight traits of Coleoptera, Hemiptera, Orthoptera and Araneae, occurring in grasslands in Germany. Scientific Data, 2015, 2, 150013.	2.4	46
148	Success of a deadwood enrichment strategy in production forests depends on stand type and management intensity. Forest Ecology and Management, 2017, 400, 607-620.	1.4	46
149	Dispersal and seed limitation affect diversity and productivity of montane grasslands. Oikos, 2008, 117, 1469-1478.	1.2	45
150	Biodiversity increases multitrophic energy use efficiency, flow and storage in grasslands. Nature Ecology and Evolution, 2020, 4, 393-405.	3.4	45
151	Forest management intensity measures as alternative to stand properties for quantifying effects on biodiversity. Ecosphere, 2014, 5, 1-111.	1.0	43
152	Determinants of Deadwood-Inhabiting Fungal Communities in Temperate Forests: Molecular Evidence From a Large Scale Deadwood Decomposition Experiment. Frontiers in Microbiology, 2018, 9, 2120.	1.5	43
153	Real-Time Analysis of Alarm Pheromone Emission by the Pea Aphid (Acyrthosiphon Pisum) Under Predation. Journal of Chemical Ecology, 2008, 34, 76-81.	0.9	42
154	Plant species richness in montane grasslands affects the fitness of a generalist grasshopper species. Ecology, 2010, 91, 1083-1091.	1.5	42
155	Plants Suppress Their Emission of Volatiles When Growing with Conspecifics. Journal of Chemical Ecology, 2013, 39, 537-545.	0.9	42
156	Towards the development of general rules describing landscape heterogeneityâ€“multifunctionality relationships. Journal of Applied Ecology, 2019, 56, 168-179.	1.9	42
157	Separating Drought Effects from Roof Artifacts on Ecosystem Processes in a Grassland Drought Experiment. PLoS ONE, 2013, 8, e70997.	1.1	42
158	Resource-Mediated Indirect Effects of Grassland Management on Arthropod Diversity. PLoS ONE, 2014, 9, e107033.	1.1	42
159	Body colour and genetic variation in winged morph production in the pea aphid. Entomologia Experimentalis Et Applicata, 2001, 99, 217-223.	0.7	41
160	Effects of past and present land use on vegetation cover and regeneration in a tropical dryland forest. Journal of Arid Environments, 2016, 132, 26-33.	1.2	41
161	Pitfall trap sampling bias depends on body mass, temperature, and trap number: insights from an individualâ€based model. Ecosphere, 2017, 8, e01790.	1.0	41
162	Plant species richness sustains higher trophic levels of soil nematode communities after consecutive environmental perturbations. Oecologia, 2017, 184, 715-728.	0.9	41

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163	Plant diversity alters the representation of motifs in food webs. Nature Communications, 2019, 10, 1226.	5.8	41
164	Aphid Wing Induction and Ecological Costs of Alarm Pheromone Emission under Field Conditions. PLoS ONE, 2010, 5, e11188.	1.1	41
165	The impact of individual ladybirds (Coccinella septempunctata, Coleoptera: Coccinellidae) on aphid colonies. European Journal of Entomology, 2000, 97, 475-479.	1.2	41
166	Does organic grassland farming benefit plant and arthropod diversity at the expense of yield and soil fertility?. Agriculture, Ecosystems and Environment, 2013, 177, 1-9.	2.5	40
167	Effect of dead wood enrichment in the canopy and on the forest floor on beetle guild composition. Forest Ecology and Management, 2013, 302, 404-413.	1.4	40
168	Trophic level, successional age and trait matching determine specialization of deadwood-based interaction networks of saproxylic beetles. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170198.	1.2	40
169	Distance decay 2.0 â€“ A global synthesis of taxonomic and functional turnover in ecological communities. Global Ecology and Biogeography, 2022, 31, 1399-1421.	2.7	40
170	Predicting invertebrate herbivory from plant traits: Polycultures show strong nonadditive effects. Ecology, 2013, 94, 1499-1509.	1.5	39
171	Management intensity and temporary conversion to other landâ€use types affect plant diversity and species composition of subtropical grasslands in southern Brazil. Applied Vegetation Science, 2016, 19, 589-599.	0.9	39
172	Agriculture intensification reduces plant taxonomic and functional diversity across European arable systems. Functional Ecology, 2020, 34, 1448-1460.	1.7	39
173	Prediction of herbage yield in grassland: How well do Ellenberg Nâ€values perform?. Applied Vegetation Science, 2007, 10, 15-24.	0.9	38
174	Experimental plant communities develop phylogenetically overdispersed abundance distributions during assembly. Ecology, 2013, 94, 465-477.	1.5	38
175	Multiple Cues for Winged Morph Production in an Aphid Metacommunity. PLoS ONE, 2013, 8, e58323.	1.1	38
176	Effects of forest management on herbivorous insects in temperate Europe. Forest Ecology and Management, 2019, 437, 232-245.	1.4	38
177	Can multiâ€taxa diversity in European beech forest landscapes be increased by combining different management systems?. Journal of Applied Ecology, 2020, 57, 1363-1375.	1.9	38
178	Ageâ€dependent foraging behaviour and hostâ€instar preference of the aphid parasitoid Lysiphlebus cardui. Entomologia Experimentalis Et Applicata, 1994, 70, 1-10.	0.7	37
179	Defence Reactions in Aphids: The Influence of State and Future Reproductive Success. Journal of Animal Ecology, 1994, 63, 419.	1.3	37
180	The importance of heterogeneity revisited from a multiscale and multitaxa approach. Biological Conservation, 2013, 166, 212-220.	1.9	37

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181	Experimental Manipulation of Grassland Plant Diversity Induces Complex Shifts in Aboveground Arthropod Diversity. PLoS ONE, 2016, 11, e0148768.	1.1	37
182	Costs and benefits for phytophagous myrmecophiles: when ants are not always available. Oikos, 2001, 92, 467-478.	1.2	35
183	Facilitation and sand burial affect plant survival during restoration of a tropical coastal sand dune degraded by tourist cars. Restoration Ecology, 2016, 24, 390-397.	1.4	35
184	Chemotypic variation in terpenes emitted from storage pools influences early aphid colonisation on tansy. Scientific Reports, 2016, 6, 38087.	1.6	35
185	Taxonomic and functional diversity of farmland bird communities across Europe: effects of biogeography and agricultural intensification. Biodiversity and Conservation, 2011, 20, 3663-3681.	1.2	34
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