Volkmar Wolters

List of Publications by Year
in descending order

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192 papers	13,142 citations	22153 59 h-index	27406 106 g-index
201 all docs	201 docs citations	201 times ranked	13671 citing authors

#	Article	IF	Citations
1	Intensive agriculture reduces soil biodiversity across Europe. Global Change Biology, 2015, 21, 973-985.	9.5	641
2	Interactions between Aboveground and Belowground Biodiversity in Terrestrial Ecosystems: Patterns, Mechanisms, and Feedbacks. BioScience, 2000, 50, 1049.	4.9	614
3	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. Nature, 2016, 536, 456-459.	27.8	526
4	Soil food web properties explain ecosystem services across European land use systems. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14296-14301.	7.1	520
5	HABITAT LOSS, TROPHIC COLLAPSE, AND THE DECLINE OF ECOSYSTEM SERVICES. Ecology, 2006, 87, 1915-1924.	3.2	458
6	Land-use intensification causes multitrophic homogenization of grassland communities. Nature, 2016, 540, 266-269.	27.8	404
7	Global decomposition experiment shows soil animal impacts on decomposition are climateâ€dependent. Global Change Biology, 2008, 14, 2661-2677.	9.5	385
8	Pollinator dispersal in an agricultural matrix: opposing responses of wild bees and hoverflies to landscape structure and distance from main habitat. Landscape Ecology, 2009, 24, 547-555.	4.2	266
9	Invertebrate control of soil organic matter stability. Biology and Fertility of Soils, 2000, 31, 1-19.	4.3	263
10	Global distribution of earthworm diversity. Science, 2019, 366, 480-485.	12.6	248
11	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
12	Landscape structure as an indicator of biodiversity: matrix effects on species richness. Agriculture, Ecosystems and Environment, 2003, 98, 321-329.	5.3	240
13	Landscape context of organic and conventional farms: Influences on carabid beetle diversity. Agriculture, Ecosystems and Environment, 2005, 108, 165-174.	5.3	223
14	RELATIONSHIP AMONG THE SPECIES RICHNESS OF DIFFERENT TAXA. Ecology, 2006, 87, 1886-1895.	3.2	205
15	Strategies used by soil biota to overcome soil organic matter stability â€" why is dead organic matter left over in the soil?. Geoderma, 2005, 128, 167-176.	5.1	194
16	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	186
17	Effects of Global Changes on Above- and Belowground Biodiversity in Terrestrial Ecosystems: Implications for Ecosystem Functioning. BioScience, 2000, 50, 1089.	4.9	165
18	Biodiversity of soil animals and its function. European Journal of Soil Biology, 2001, 37, 221-227.	3.2	164

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19	PLFA profiles of microbial communities in decomposing conifer litters subject to moisture stress. Soil Biology and Biochemistry, 2002, 34, 189-200.	8.8	162
20	Soilâ€carbon preservation through habitat constraints and biological limitations on decomposer activity. Journal of Plant Nutrition and Soil Science, 2008, 171, 27-35.	1.9	156
21	Trophic interactions in a changing world. Basic and Applied Ecology, 2004, 5, 487-494.	2.7	151
22	Hover flies are efficient pollinators of oilseed rape. Oecologia, 2008, 156, 819-823.	2.0	147
23	ECOLOGY: Food Web Ecology: Playing Jenga and Beyond. Science, 2005, 309, 68-71.	12.6	146
24	General Relationships between Abiotic Soil Properties and Soil Biota across Spatial Scales and Different Land-Use Types. PLoS ONE, 2012, 7, e43292.	2.5	142
25	Carbon and nitrogen relationships in the microbial biomass of soils in beech (Fagus sylvatica L.) forests. Biology and Fertility of Soils, 1995, 19, 141-147.	4.3	139
26	Local vs. landscape controls on diversity: a test using surface-dwelling soil macroinvertebrates of differing mobility. Global Ecology and Biogeography, 2005, 14, 213-221.	5.8	132
27	Ecosystem servicesÃ¢â‚¬â€current challenges and opportunities for ecological research. Frontiers in Ecology and Evolution, 0, 2, .	2.2	127
28	C and N mineralisation in the decomposer food webs of a European forest transect. Oikos, 2003, 102, 294-308.	2.7	122
29	Landscape and management effects on structure and function of soil arthropod communities in winter wheat. Agriculture, Ecosystems and Environment, 2010, 137, 108-112.	5.3	122
30	The response of carabids to landscape simplification differs between trophic groups. Oecologia, 2005, 142, 458-464.	2.0	121
31	Impact of summer drought on forest biodiversity: what do we know?. Annals of Forest Science, 2006, 63, 645-652.	2.0	120
32	Influence of fragmentation and bioturbation on the decomposition of 14C-labelled beech leaf litter. Soil Biology and Biochemistry, 1991, 23, 1029-1034.	8.8	117
33	Locally rare species influence grassland ecosystem multifunctionality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150269.	4.0	117
34	Oilseed rape crops distort plantâ€“pollinator interactions. Journal of Applied Ecology, 2010, 47, 209-214.	4.0	113
35	Microbial biomass phosphorus in soils of beech (Fagus sylvatica L.) forests. Biology and Fertility of Soils, 1995, 19, 215-219.	4.3	108
36	Microbial carbon turnover in beech forest soils at different stages of acidification. Soil Biology and Biochemistry, 1991, 23, 897-902.	8.8	105

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37	Nematode community structure as indicator of soil functioning in European grassland soils. European Journal of Soil Biology, 2001, 37, 263-268.	3.2	93
38	Management intensity and vegetation complexity affect web-building spiders and their prey. Oecologia, 2013, 173, 579-589.	2.0	93
39	Microbial carbon turnover in beech forest soils worked by Aporrectodea caliginosa (Savigny) (Oligochaeta:Lumbricidae). Soil Biology and Biochemistry, 1992, 24, 171-177.	8.8	92
40	Arable weeds in organically managed wheat fields foster carabid beetles by resource- and structure-mediated effects. Arthropod-Plant Interactions, 2012, 6, 75-82.	1.1	90
41	Microbial activity and functional diversity in the mounds of three different ant species. Soil Biology and Biochemistry, 2000, 32, 93-99.	8.8	88
42	Biodiversity at the landscape level: recent concepts and perspectives for multifunctional land use. Landscape Ecology, 2007, 22, 639-642.	4.2	85
43	Intraspecific body size increases with habitat fragmentation in wild bee pollinators. Landscape Ecology, 2016, 31, 1449-1455.	4.2	83
44	Microbial immobilization and recycling of 137Cs in the organic layers of forest ecosystems: relationship to environmental conditions, humification and invertebrate activity. Science of the Total Environment, 1994, 157, 249-256.	8.0	82
45	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. Nature Communications, 2021, 12, 3918.	12.8	81
46	Early reproductive benefits of mass-flowering crops to the solitary bee Osmia rufa outbalance post-flowering disadvantages. Basic and Applied Ecology, 2012, 13, 268-276.	2.7	80
47	Soil fauna feeding activity in temperate grassland soils increases with legume and grass species richness. Soil Biology and Biochemistry, 2011, 43, 2200-2207.	8.8	79
48	Successional changes of Collembola and soil microbiota during forest rotation. Oecologia, 2003, 137, 269-276.	2.0	78
49	Edge effects on ant community structure and species richness in an agricultural landscape. Biodiversity and Conservation, 2004, 13, 901-915.	2.6	75
50	Effects of predator specialization, host plant and climate on biological control of aphids by natural enemies: a metaâ€analysis. Journal of Applied Ecology, 2013, 50, 262-270.	4.0	74
51	Effect of historic landscape change on the genetic structure of the bush-cricket Metrioptera roeseli. Landscape Ecology, 2006, 21, 891-899.	4.2	72
52	Massâ€flowering crops increase richness of cavityâ€nesting bees and wasps in modern agroâ€ecosystems. GCB Bioenergy, 2014, 6, 219-226.	5.6	71
53	Soil Invertebrates - Effects on Nutrient Turnover and Soil Structure - A Review. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1991, 154, 389-402.	0.4	70
54	Attractiveness of wildflower mixtures for wild bees and hoverflies depends on some key plant species. Insect Conservation and Diversity, 2018, 11, 32-41.	3.0	69

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55	Design and evaluation of nematode 18S rDNA primers for PCR and denaturing gradient gel electrophoresis (DGGE) of soil community DNA. Soil Biology and Biochemistry, 2003, 35, 1165-1173.	8.8	68
56	Landâ€use effects on the functional distinctness of arthropod communities. Ecography, 2015, 38, 889-900.	4.5	67
57	Impact of agricultural subsidies on biodiversity at the landscape level. Landscape Ecology, 2007, 22, 643-656.	4.2	66
58	Increased density of honeybee colonies affects foraging bumblebees. Apidologie, 2006, 37, 517-532.	2.0	65
59	Response of collembolan communities to landâ€use change and grassland succession. Ecography, 2007, 30, 183-192.	4.5	63
60	Influence of drought and litter age on Collembola communities. European Journal of Soil Biology, 2001, 37, 305-308.	3.2	62
61	Landâ€use type and intensity differentially filter traits in aboveâ€•and belowâ€ground arthropod communities. Journal of Animal Ecology, 2017, 86, 511-520.	2.8	62
62	Oribatid mite diversity and community dynamics in a spruce chronosequence. Soil Biology and Biochemistry, 2002, 34, 1919-1927.	8.8	59
63	Response of different decomposer communities to the manipulation of moisture availability: potential effects of changing precipitation patterns. Global Change Biology, 2004, 10, 1313-1324.	9.5	59
64	Biological processes in two beech forest soils treated with simulated acid rainâ€”a laboratory experiment with Isotoma tigrina (insecta, collembola). Soil Biology and Biochemistry, 1991, 23, 381-390.	8.8	58
65	Soil fauna modifies the recalcitrance-persistence relationship of soil carbon pools. Soil Biology and Biochemistry, 2006, 38, 1353-1363.	8.8	57
66	Short-term effects of earthworm activity and straw amendment on the microbial C and N turnover in a remoistened arable soil after summer drought. Soil Biology and Biochemistry, 2001, 33, 583-591.	8.8	56
67	Much more than beesâ€”Wildflower plantings support highly diverse flower-visitor communities from complex to structurally simple agricultural landscapes. Agriculture, Ecosystems and Environment, 2016, 225, 45-53.	5.3	56
68	The global relationship between climate, net primary production and the diet of spiders. Global Ecology and Biogeography, 2012, 21, 100-108.	5.8	55
69	Colonization of temperate grassland by ants. Basic and Applied Ecology, 2005, 6, 83-91.	2.7	54
70	Title is missing!. Plant and Soil, 1999, 212, 45-61.	3.7	52
71	Changes in soil faunal assemblages during conversion from pure to mixed forest stands. Forest Ecology and Management, 2011, 262, 317-324.	3.2	52
72	Carabid communities in the spatio-temporal mosaic of a rural landscape. Landscape and Urban Planning, 2004, 67, 185-193.	7.5	49

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73	Long-term succession of oribatid mites after conversion of croplands to grasslands. Applied Soil Ecology, 2006, 34, 230-239.	4.3	46
74	Responses of oribatid mite communities to summer drought: The influence of litter type and quality. Soil Biology and Biochemistry, 2005, 37, 2117-2130.	8.8	43
75	The influence of omnivorous elaterid larvae on the microbial carbon cycle in different forest soils. Oecologia, 1989, 80, 405-413.	2.0	41
76	Effects of mesofauna exclusion on the microbial biomass in two moder profiles. Biology and Fertility of Soils, 1992, 12, 253-260.	4.3	41
77	Long-term dynamics of a collembolan community. Applied Soil Ecology, 1998, 9, 221-227.	4.3	40
78	Increased energy maize production reduces farmland bird diversity. GCB Bioenergy, 2014, 6, 265-274.	5.6	40
79	The effects of different tillage practices on soil mites, with particular reference to Oribatida. Applied Soil Ecology, 1998, 9, 327-332.	4.3	38
80	Soil microbial biomass estimated by fumigation-extraction and substrate-induced respiration in two pesticide-treated soils. Soil Biology and Biochemistry, 1993, 25, 679-683.	8.8	37
81	Species specific effects of ants on microbial activity and N-availability in the soil of an old-field. European Journal of Soil Biology, 2001, 37, 259-261.	3.2	37
82	On the quality of soil biodiversity indicators: abiotic and biotic parameters as predictors of soil faunal richness at different spatial scales. Agriculture, Ecosystems and Environment, 2003, 98, 273-283.	5.3	37
83	Modelling land-use sustainability using farmland birds as indicators. Ecological Indicators, 2010, 10, 15-23.	6.3	37
84	Total carbohydrates of the soil microbial biomass in 0.5 M K2SO4 soil extracts. Soil Biology and Biochemistry, 1996, 28, 1147-1153.	8.8	36
85	Intra-specific body size determines pollination effectiveness. Basic and Applied Ecology, 2016, 17, 714-719.	2.7	36
86	The use of agri-environmental measures to address environmental pressures in Germany: Spatial mismatches and options for improvement. Land Use Policy, 2019, 84, 347-362.	5.6	36
87	The microfood web of grassland soils responds to a moderate increase in atmospheric CO2. Global Change Biology, 2005, 11, 1148-1155.	9.5	35
88	Differential threshold effects of habitat fragmentation on gene flow in two widespread species of bush crickets. Molecular Ecology, 2010, 19, 4936-4948.	3.9	34
89	Grassy margins along organically managed cereal fields foster trait diversity and taxonomic distinctness of arthropod communities. Insect Conservation and Diversity, 2014, 7, 274-287.	3.0	34
90	How High Nature Value (HNV) farmland is related to bird diversity in agro-ecosystems â€“ Towards a versatile tool for biodiversity monitoring and conservation planning. Agriculture, Ecosystems and Environment, 2014, 194, 58-64.	5.3	34

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91	Optimizing arthropod predator conservation in permanent grasslands by considering diversity components beyond species richness. Agriculture, Ecosystems and Environment, 2015, 211, 65-72.	5.3	34
92	Soil engineering ants increase grass root arbuscular mycorrhizal colonization. Biology and Fertility of Soils, 2008, 44, 791-796.	4.3	33
93	Mineralization of straw and formation of soil microbial biomass in a soil treated with simazine and dinoterb. Soil Biology and Biochemistry, 1993, 25, 1273-1276.	8.8	32
94	The Effects of Spatial Scale on Trophic Interactions. Ecosystems, 2005, 8, 801-807.	3.4	32
95	Delayed colonisation of arable fields by spring breeding ground beetles (Coleoptera: Carabidae) in landscapes with a high availability of hibernation sites. Agriculture, Ecosystems and Environment, 2011, 144, 235-240.	5.3	31
96	Variability of higher trophic level stable isotope data in space and time - a case study in a marine ecosystem. Rapid Communications in Mass Spectrometry, 2015, 29, 667-674.	1.5	31
97	Compensatory mechanisms of litter decomposition under alternating moisture regimes in tropical rice fields. Applied Soil Ecology, 2016, 107, 79-90.	4.3	31
98	Partitioning wild bee and hoverfly contributions to plantâ€“pollinator network structure in fragmented habitats. Ecology, 2019, 100, e02569.	3.2	31
99	Scaling properties of multivariate landscape structure. Ecological Indicators, 2005, 5, 295-304.	6.3	30
100	Humus structure during a spruce forest rotation: quantitative changes and relationship to soil biota. European Journal of Soil Science, 2007, 58, 625-631.	3.9	30
101	Resource allocation of beech seedlings (Fagus sylvatica L.) ?relationship to earthworm activity and soil conditions. Oecologia, 1991, 88, 125-131.	2.0	29
102	Efficient Placement of Nest Boxes for the Little Owl (Athene noctua). Journal of Raptor Research, 2011, 45, 1-14.	0.6	29
103	Organic farming affects the potential of a granivorous carabid beetle to control arable weeds at local and landscape scales. Agricultural and Forest Entomology, 2016, 18, 167-173.	1.3	29
104	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. Scientific Data, 2021, 8, 136.	5.3	29
105	Limitations of faunal effects on soil carbon flow: density dependence, biotic regulation and mutual inhibition. Soil Biology and Biochemistry, 2004, 36, 387-397.	8.8	28
106	Land use at different spatial scales alters the functional role of web-building spiders in arthropod food webs. Agriculture, Ecosystems and Environment, 2016, 219, 152-162.	5.3	28
107	Soil macrofaunal response to forest conversion from pure coniferous stands into semi-natural montane forests. Applied Soil Ecology, 2008, 40, 491-498.	4.3	27
108	Evaluating Today's Landscape Multifunctionality and Providing an Alternative Future: A Normative Scenario Approach. Ecology and Society, 2010, 15, .	2.3	27

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109	Tradeâ€offs in arthropod conservation between productive and nonâ€productive agriâ€environmental schemes along a landscape complexity gradient. Insect Conservation and Diversity, 2017, 10, 236-247.	3.0	27
110	Effects of acid rain on leaf-litter decomposition in a beech forest on calcareous soil. Biology and Fertility of Soils, 1991, 11, 151-156.	4.3	26
111	Contrasting diversity patterns of epigeic arthropods between grasslands of high and low agronomic potential. Basic and Applied Ecology, 2010, 11, 6-14.	2.7	25
112	Biodiversity and functioning of ecological communities â€" why is diversity important in some cases and unimportant in others?. Journal of Plant Nutrition and Soil Science, 2001, 164, 239-246.	1.9	24
113	Does induced resistance in plants affect the belowground community?. Applied Soil Ecology, 2002, 21, 179-185.	4.3	24
114	The influence of matrix type on flower visitors of Centaurea jacea L.. Agriculture, Ecosystems and Environment, 2003, 98, 331-337.	5.3	24
115	Restoration of Seminatural Grasslands: What is the Impact on Ants?. Restoration Ecology, 2008, 18, 330-337.	2.9	23
116	Traitâ€specific effects of habitat isolation on carabid species richness and community composition in managed grasslands. Insect Conservation and Diversity, 2012, 5, 9-18.	3.0	23
117	Deep drilling reveals massive shifts in evolutionary dynamics after formation of ancient ecosystem. Science Advances, 2020, 6, .	10.3	23
118	Densityâ€dependent and â€independent effects on the joint use of space by predators and prey in terrestrial arthropod foodâ€webs. Oikos, 2011, 120, 1705-1711.	2.7	22
119	Spatial distribution of spiders and epedaphic Collembola in an environmentally heterogeneous forest floor habitat. Pedobiologia, 2012, 55, 241-245.	1.2	22
120	Effects of Residue Management on Decomposition in Irrigated Rice Fields Are Not Related to Changes in the Decomposer Community. PLoS ONE, 2015, 10, e0134402.	2.5	22
121	Spatial correlation of agri-environmental measures with high levels of ecosystem services. Ecological Indicators, 2018, 84, 364-370.	6.3	22
122	Forest fire induces shortâ€term shifts in soil food webs with consequences for carbon cycling. Ecology Letters, 2021, 24, 438-450.	6.4	22
123	Regional Conditions and Land-Use Alter the Potential Contribution of Soil Arthropods to Ecosystem Services in Grasslands. Frontiers in Ecology and Evolution, 2016, 3, .	2.2	21
124	GIEÃŸEN: University Collections: Justus Liebig University GieÃŸen. Natural History Collections, 2018, , 373-381.	0.1	21
125	Rove beetles of the subtribe Scopaeina Mulsant & Rey (Coleoptera: Staphylinidae) in the West Palaearctic: Phylogeny, biogeography and species catalogue. Organisms Diversity and Evolution, 2002, 2, 27-53.	1.6	20
126	The ant LasiusÂflavus alters theÂviable seed bank inÂpastures. European Journal of Soil Biology, 2006, 42, S157-S163.	3.2	20

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127	Regional Patterns of Ecosystem Services in Cultural Landscapes. Land, 2016, 5, 17.	2.9	20
128	Impact of microarthropod biomass on the composition of the soil fauna community and ecosystem processes. European Journal of Soil Biology, 2010, 46, 80-86.	3.2	19
129	An optimized hair trap for non-invasive genetic studies of small cryptic mammals. European Journal of Wildlife Research, 2011, 57, 991-995.	1.4	19
130	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	3.2	19
131	Resource allocation in Tomocerus flavescens (Insecta, Collembola): a study with C-14-labelled food. Oecologia, 1985, 65, 229-235.	2.0	18
132	Examination of microbial biomass in beech forest moder profiles. Biology and Fertility of Soils, 1995, 19, 209-214.	4.3	18
133	Body mass changes in male Daubenton's bats Myotis daubentonii (Chiroptera, Vespertilionidae) during the seasonal activity period. Mammalia, 2004, 68, 291-297.	0.7	18
134	Root associated organisms modify the effectiveness of chemically induced resistance in barley. Soil Biology and Biochemistry, 2005, 37, 1837-1842.	8.8	18
135	Landscape genetics of the widespread ground-beetle Carabus auratus in an agricultural region. Basic and Applied Ecology, 2006, 7, 555-564.	2.7	18
136	Assessing the potential distribution of the Caucasian black grouse Tetrao mlokosiewiczi in Turkey through spatial modelling. Journal of Ornithology, 2007, 148, 427-434.	1.1	18
137	AGE-RELATED VARIATION IN PHYSICAL AND REPRODUCTIVE CONDITION OF MALE DAUBENTON'S BATS (MYOTIS DAUBENTONII). Journal of Mammalogy, 2006, 87, 93-96.	1.3	17
138	Spruce forest conversion to a mixed beech-coniferous stand modifies oribatid community structure. Applied Soil Ecology, 2014, 76, 60-67.	4.3	17
139	Preyâ€dependent benefits of sown wildflower strips on solitary wasps in agroecosystems. Insect Conservation and Diversity, 2018, 11, 42-49.	3.0	17
140	Converting arable land into flowering fields changes functional and phylogenetic community structure in ground beetles. Biological Conservation, 2019, 231, 51-58.	4.1	17
141	SPATIAL ASPECTS OF FOOD WEBS. , 2005, , 463-469.		17
142	Collembola communities along a European transect. European Journal of Soil Biology, 2002, 38, 301-304.	3.2	16
143	Landscape associations of farmland bird diversity in Germany and Japan. Global Ecology and Conservation, 2020, 21, e00891.	2.1	16
144	Earthworms offset straw-induced increase of greenhouse gas emission in upland rice production. Science of the Total Environment, 2020, 710, 136352.	8.0	16

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145	Hotspots of Agricultural Ecosystem Services and Farmland Biodiversity Overlap with Areas at Risk of Land Abandonment in Japan. Land, 2021, 10, 1031.	2.9	16
146	Hexosamines in the organic layer of two beech forest soils: effects of mesofauna exclusion. Biology and Fertility of Soils, 1993, 15, 301-307.	4.3	15
147	Distance weighting avoids erroneous scale effects in speciesâ€habitat models. Methods in Ecology and Evolution, 2012, 3, 102-111.	5.2	15
148	The Evolution of Ecological Diversity in Acidobacteria. Frontiers in Microbiology, 2022, 13, 715637.	3.5	15
149	Dynamics of mineral components in the forest floor of an acidic beech (Fagus sylvatica L.) forest. European Journal of Soil Biology, 2009, 45, 285-289.	3.2	14
150	Earthworm bioturbation stabilizes carbon in non-flooded paddy soil at the risk of increasing methane emissions under wet soil conditions. Soil Biology and Biochemistry, 2015, 91, 127-132.	8.8	14
151	Spatial configuration and landscape context of wildflower areas determine their benefits to pollinator Î±- and Î²-diversity. Basic and Applied Ecology, 2021, 56, 335-344.	2.7	14
152	Nematoda response to forest conversion. European Journal of Soil Biology, 2009, 45, 184-191.	3.2	13
153	Matrix quality and habitat configuration interactively determine functional connectivity in a widespread bush cricket at a small spatial scale. Landscape Ecology, 2012, 27, 381-392.	4.2	13
154	Addition of crop residues affects a detritus-based food chain depending on litter type and farming system. Basic and Applied Ecology, 2015, 16, 746-754.	2.7	13
155	Enchytraeids simultaneously stimulate rice straw degradation and mitigate CO2 release in a paddy soil. Soil Biology and Biochemistry, 2019, 131, 191-194.	8.8	13
156	Isolation and characterization of microsatellite loci in the ant Myrmica scabrinodis. Molecular Ecology Notes, 2003, 3, 304-306.	1.7	12
157	How do soil fauna and soil microbiota respond to beech forest growth?. Environmental Epigenetics, 2009, 55, 272-278.	1.8	12
158	Changes in land use and habitat availability affect the population genetic structure of Metrioptera roeselii (Orthoptera: Tettigoniidae). Journal of Insect Conservation, 2009, 13, 543-552.	1.4	12
159	Buffering of the effect of acid rain on decomposition of C-14-labelled beech leaf litter by saprophagous invertebrates. Biology and Fertility of Soils, 1991, 11, 285-289.	4.3	11
160	Contrasting pollination efficiency and effectiveness among flower visitors of Malva sylvestris, Borago officinalis and Onobrychis viciifolia. Journal of Pollination Ecology, 0, 21, .	0.5	11
161	Response of soil microflora to changes in nematode abundance â€" evidence for large scale effects in grassland soil+. Journal of Plant Nutrition and Soil Science, 1999, 162, 385-391.	1.9	10
162	Convergent evolution of specialized generalists: Implications for phylogenetic and functional diversity of carabid feeding groups. Ecology and Evolution, 2020, 10, 11100-11110.	1.9	10

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163	Mycorrhizal colonization and lead distribution in root tissues of Norway spruce seedlings. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1997, 160, 317-321.	0.4	9
164	Response of aculeate Hymenoptera to spatial features of an agricultural landscape. Journal for Nature Conservation, 2003, 11, 179-185.	1.8	9
165	Geographic determinants ofÂoribatid mite communities structure andÂdiversity across Europe: aÂlongitudinal perspective. European Journal of Soil Biology, 2006, 42, S358-S361.	3.2	9
166	Assessing spider diversity on the forest floor: expert knowledge beats systematic design. Journal of Arachnology, 2014, 42, 44-51.	0.5	9
167	Earthworm effects on the use of C sources by microorganisms: Non-linear response to temperature alteration. Biology and Fertility of Soils, 1995, 19, 109-114.	4.3	8
168	Landscape Effects on the Genetic Structure of the Ground Beetle Poecilus Versicolor STURM 1824. Biodiversity and Conservation, 2006, 15, 245-259.	2.6	8
169	Nazca Booby (Sula granti) inputs maintain the terrestrial food web of Malpelo Island. Journal of Ornithology, 2009, 150, 865-870.	1.1	8
170	Utilization of prey-rich patches leads to reproductive advantages for clustered individuals of a web-building spider. Ecoscience, 2012, 19, 170-176.	1.4	8
171	Bioenergy and biodiversity: Intensified biomass extraction from hedges impairs habitat conditions for birds. Journal of Environmental Management, 2017, 187, 311-319.	7.8	8
172	Agriâ€environmental schemes affect the trophic niche size and diet of common carabid species in agricultural landscapes. Ecological Entomology, 2018, 43, 823-835.	2.2	8
173	Distribution and pollination services of wild bees and hoverflies along an altitudinal gradient in mountain hay meadows. Ecology and Evolution, 2021, 11, 11345-11351.	1.9	8
174	The suitability of sown wildflower strips as hunting grounds for spider-hunting wasps of the genus Trypoxylon depends on landscape context. Journal of Insect Conservation, 2020, 24, 125-131.	1.4	7
175	Soil fauna groups respond differentially to changes in crop rotation cycles in rice production systems. Pedobiologia, 2021, 84, 150703.	1.2	6
176	Ring-based versus disc-based separation of spatial scales: a case study on the impact of arable land proportions on invertebrates in freshwater streams. Aquatic Ecology, 2011, 45, 351-356.	1.5	5
177	Belowground Tritrophic Food Chain Modulates Soil Respiration in Grasslands. Pedosphere, 2018, 28, 114-123.	4.0	5
178	Landâ€use intensity and biodiversity effects on infiltration capacity and hydraulic conductivity of grassland soils in southern Germany. Ecohydrology, 2021, 14, e2301.	2.4	5
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