

# Bernhard Schmid

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

418  
papers

37,197  
citations

87  
h-index

183  
g-index

517  
ext. papers

43,090  
ext. citations

6.2  
avg, IF

7.06  
L-index

#	Paper	IF	Citations
418	Biodiversity and Ecosystem Services in Managed Ecosystems <b>2022</b> , 211-231		
417	Thirty years of GAIA: a constant in a fast-changing world. <i>Gaia</i> , <b>2022</b> , 31, 4-5	1.4	
416	Multispecies forest plantations outyield monocultures across a broad range of conditions.. <i>Science</i> , <b>2022</b> , 376, 865-868	33.3	5
415	Species richness stabilizes productivity via asynchrony and drought-tolerance diversity in a large-scale tree biodiversity experiment.. <i>Science Advances</i> , <b>2021</b> , 7, eabk1643	14.3	8
414	Functional diversity effects on productivity increase with age in a forest biodiversity experiment. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 1594-1603	12.3	15
413	Biodiversity promotes ecosystem functioning despite environmental change. <i>Ecology Letters</i> , <b>2021</b> ,	10	5
412	Diversity and asynchrony in soil microbial communities stabilizes ecosystem functioning. <i>ELife</i> , <b>2021</b> , 10,	8.9	21
411	Identification of dominant features in spatial data. <i>Spatial Statistics</i> , <b>2021</b> , 41, 100483	2.2	2
410	Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. <i>Ecology</i> , <b>2021</b> , 102, e03332	4.6	12
409	A graphical causal model for resolving species identity effects and biodiversity-ecosystem function correlations: comment. <i>Ecology</i> , <b>2021</b> , e03378	4.6	0
408	Effects of plant community history, soil legacy and plant diversity on soil microbial communities. <i>Journal of Ecology</i> , <b>2021</b> , 109, 3007-3023	6	4
407	Diversity increases yield but reduces harvest index in crop mixtures. <i>Nature Plants</i> , <b>2021</b> , 7, 893-898	11.5	10
406	Comparative study of the most tested hypotheses on relationships between biodiversity, productivity, light and nutrients. <i>Basic and Applied Ecology</i> , <b>2021</b> , 53, 175-190	3.2	2
405	Co-occurrence history increases ecosystem stability and resilience in experimental plant communities. <i>Ecology</i> , <b>2021</b> , 102, e03205	4.6	6
404	Tree phylogenetic diversity structures multitrophic communities. <i>Functional Ecology</i> , <b>2021</b> , 35, 521-534	5.6	10
403	Mapping functional diversity using individual tree-based morphological and physiological traits in a subtropical forest. <i>Remote Sensing of Environment</i> , <b>2021</b> , 252, 112170	13.2	11
402	An experimental approach to assessing the impact of ecosystem engineers on biodiversity and ecosystem functions. <i>Ecology</i> , <b>2021</b> , 102, e03243	4.6	5

401	Modelling of three-dimensional, diurnal light extinction in two contrasting forests. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 296, 108230	5.8	4
400	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. <i>Journal of Ecology</i> , <b>2021</b> , 109, 1284-1297	6	3
399	The global significance of biodiversity science in China: an overview. <i>National Science Review</i> , <b>2021</b> , 8, nwab032	10.8	18
398	Remotely sensed between-individual functional trait variation in a temperate forest. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 10834-10867	2.8	2
397	Apomixis and genetic background affect distinct traits in <i>Hieracium pilosella</i> L. grown under competition. <i>BMC Biology</i> , <b>2021</b> , 19, 177	7.3	0
396	Aridity-driven shift in biodiversity-soil multifunctionality relationships. <i>Nature Communications</i> , <b>2021</b> , 12, 5350	17.4	13
395	Satellite-derived NDVI underestimates the advancement of alpine vegetation growth over the past three decades. <i>Ecology</i> , <b>2021</b> , 102, e03518	4.6	5
394	Radial growth response of trees to seasonal soil humidity in a subtropical forest. <i>Basic and Applied Ecology</i> , <b>2021</b> , 55, 74-86	3.2	2
393	Plant and microbial pathways driving plant diversity effects on soil carbon accumulation in subtropical forest. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 161, 108375	7.5	8
392	Local and landscape-level diversity effects on forest functioning. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233104	3.7	
391	Biotic stability mechanisms in Inner Mongolian grassland. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 287, 20200675	4.4	4
390	Diverse plant mixtures sustain a greater arbuscular mycorrhizal fungi spore viability than monocultures after 12 years. <i>Journal of Plant Ecology</i> , <b>2020</b> , 13, 478-488	1.7	6
389	Directed species loss reduces community productivity in a subtropical forest biodiversity experiment. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 550-559	12.3	8
388	Biodiversity increases multitrophic energy use efficiency, flow and storage in grasslands. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 393-405	12.3	18
387	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. <i>Remote Sensing of Environment</i> , <b>2020</b> , 239, 111626	13.2	70
386	Woody plant encroachment may decrease plant carbon storage in grasslands under future drier conditions. <i>Journal of Plant Ecology</i> , <b>2020</b> , 13, 213-223	1.7	0
385	Community-wide trait means and variations affect biomass in a biodiversity experiment with tree seedlings. <i>Oikos</i> , <b>2020</b> , 129, 799-810	4	2
384	Nematode communities, plant nutrient economy and life-cycle characteristics jointly determine plant monoculture performance over 12 years. <i>Oikos</i> , <b>2020</b> , 129, 466-479	4	3

383	Leaf size of woody dicots predicts ecosystem primary productivity. <i>Ecology Letters</i> , <b>2020</b> , 23, 1003-1013	10	16
382	Genetic richness affects trait variation but not community productivity in a tree diversity experiment. <i>New Phytologist</i> , <b>2020</b> , 227, 744-756	9.8	6
381	New development phase of JPE. <i>Journal of Plant Ecology</i> , <b>2020</b> , 13, 1-2	1.7	2
380	Inferring competitive outcomes, ranks and intransitivity from empirical data: A comparison of different methods. <i>Methods in Ecology and Evolution</i> , <b>2020</b> , 11, 117-128	7.7	3
379	Predicting species abundances in a grassland biodiversity experiment: Trade-offs between model complexity and generality. <i>Journal of Ecology</i> , <b>2020</b> , 108, 774-787	6	8
378	Terrestrial land-cover type richness is positively linked to landscape-level functioning. <i>Nature Communications</i> , <b>2020</b> , 11, 154	17.4	14
377	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
376	Plant responses to diversity-driven selection and associated rhizosphere microbial communities. <i>Functional Ecology</i> , <b>2020</b> , 34, 707-722	5.6	10
375	Drivers of large-scale geographical variation in sexual systems of woody plants. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 546-557	6.1	5
374	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1602-1611	12.3	30
373	Changes in grassland cover and in its spatial heterogeneity indicate degradation on the Qinghai-Tibetan Plateau. <i>Ecological Indicators</i> , <b>2020</b> , 119, 106641	5.8	8
372	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1485-1494	12.3	31
371	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. <i>Ecology</i> , <b>2020</b> , 101, e02905	4.6	20
370	Growth-trait relationships in subtropical forest are stronger at higher diversity. <i>Journal of Ecology</i> , <b>2020</b> , 108, 256-266	6	10
369	The role of soluble sugars during drought in tropical tree seedlings with contrasting tolerances. <i>Journal of Plant Ecology</i> , <b>2020</b> , 13, 389-397	1.7	9
368	Local and landscape-level diversity effects on forest functioning <b>2020</b> , 15, e0233104		
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365	Local and landscape-level diversity effects on forest functioning <b>2020</b> , 15, e0233104		
364	Early positive effects of tree species richness on soil organic carbon accumulation in a large-scale forest biodiversity experiment. <i>Journal of Plant Ecology</i> , <b>2019</b> , 12, 882-893	1.7	13
363	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , <b>2019</b> , 569, 404-408	50.4	203
362	Multiple components of plant diversity loss determine herbivore phylogenetic diversity in a subtropical forest experiment. <i>Journal of Ecology</i> , <b>2019</b> , 107, 2697-2712	6	16
361	Family-level leaf nitrogen and phosphorus stoichiometry of global terrestrial plants. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 1047-1057	8.5	13
360	Linking local species coexistence to ecosystem functioning: a conceptual framework from ecological first principles in grassland ecosystems. <i>Advances in Ecological Research</i> , <b>2019</b> , 61, 265-296	4.6	2
359	A global database of paired leaf nitrogen and phosphorus concentrations of terrestrial plants. <i>Ecology</i> , <b>2019</b> , 100, e02812	4.6	5
358	A multitrophic perspective on biodiversity-ecosystem functioning research. <i>Advances in Ecological Research</i> , <b>2019</b> , 61, 1-54	4.6	41
357	Evidence for rapid evolution in a grassland biodiversity experiment. <i>Molecular Ecology</i> , <b>2019</b> , 28, 4097-4117	4.7	19
356	A new experimental approach to test why biodiversity effects strengthen as ecosystems age. <i>Advances in Ecological Research</i> , <b>2019</b> , 221-264	4.6	13
355	Plant diversity increases N removal in constructed wetlands when multiple rather than single N processes are considered. <i>Ecological Applications</i> , <b>2019</b> , 29, e01965	4.9	8
354	Not even wrong: Comment by Wagg et al. <i>Ecology</i> , <b>2019</b> , 100, e02805	4.6	3
353	Response to Comment on "Impacts of species richness on productivity in a large-scale subtropical forest experiment". <i>Science</i> , <b>2019</b> , 363,	33.3	2
352	The Vagueness of Biodiversity and Its Implications in Conservation Practice. <i>History, Philosophy and Theory of the Life Sciences</i> , <b>2019</b> , 353-374	0.4	4
351	Spatial variation of human influences on grassland biomass on the Qinghai-Tibetan plateau. <i>Science of the Total Environment</i> , <b>2019</b> , 665, 678-689	10.2	20
350	Feedbacks of plant identity and diversity on the diversity and community composition of rhizosphere microbiomes from a long-term biodiversity experiment. <i>Molecular Ecology</i> , <b>2019</b> , 28, 863-878	5.7	18
349	Plant interactions shape pollination networks via nonadditive effects. <i>Ecology</i> , <b>2019</b> , 100, e02619	4.6	17
348	Increasing water availability and facilitation weaken biodiversity-biomass relationships in shrublands. <i>Ecology</i> , <b>2019</b> , 100, e02624	4.6	17

347	The Future of Complementarity: Disentangling Causes from Consequences. <i>Trends in Ecology and Evolution</i> , <b>2019</b> , 34, 167-180	10.9	115
346	Quantifying effects of biodiversity on ecosystem functioning across times and places. <i>Ecology Letters</i> , <b>2018</b> , 21, 763-778	10	75
345	Shifting relative importance of climatic constraints on land surface phenology. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 024025	6.2	28
344	Soil microbes promote complementarity effects among co-existing trees through soil nitrogen partitioning. <i>Functional Ecology</i> , <b>2018</b> , 32, 1879-1889	5.6	13
343	Origin context of trait data matters for predictions of community performance in a grassland biodiversity experiment. <i>Ecology</i> , <b>2018</b> , 99, 1214-1226	4.6	9
342	Global leaf nitrogen and phosphorus stoichiometry and their scaling exponent. <i>National Science Review</i> , <b>2018</b> , 5, 728-739	10.8	52
341	Surrounding species diversity improves subtropical seedlings' carbon dynamics. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 7055-7067	2.8	2
340	Biodiversity across trophic levels drives multifunctionality in highly diverse forests. <i>Nature Communications</i> , <b>2018</b> , 9, 2989	17.4	83
339	Functional groups differ in trait means, but not in trait plasticity to species richness in local grassland communities. <i>Ecology</i> , <b>2018</b> , 99, 2295-2307	4.6	5
338	Tree species richness increases ecosystem carbon storage in subtropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285,	4.4	84
337	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 44-49	12.3	85
336	Trait means, trait plasticity and trait differences to other species jointly explain species performances in grasslands of varying diversity. <i>Oikos</i> , <b>2018</b> , 127, 865-865	4	16
335	Experimentally simulating warmer and wetter climate additively improves rangeland quality on the Tibetan Plateau. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 1486-1497	5.8	20
334	Community evolution increases plant productivity at low diversity. <i>Ecology Letters</i> , <b>2018</b> , 21, 128-137	10	33
333	Leaf-litter overyielding in a forest biodiversity experiment in subtropical China. <i>Forest Ecosystems</i> , <b>2018</b> , 5,	3.8	12
332	The first 10 years of JPE. <i>Journal of Plant Ecology</i> , <b>2018</b> , 11, 799-802	1.7	2
331	Impacts of species richness on productivity in a large-scale subtropical forest experiment. <i>Science</i> , <b>2018</b> , 362, 80-83	33.3	220
330	Contribution of epigenetic variation to adaptation in Arabidopsis. <i>Nature Communications</i> , <b>2018</b> , 9, 4446	17.4	67

329	The assembly of a plant network in alpine vegetation. <i>Journal of Vegetation Science</i> , <b>2018</b> , 29, 999-1006	3.1	10
328	Genetic differentiation, phenotypic plasticity and adaptation in a hybridizing pair of a more common and a less common <i>Carex</i> species. <i>Alpine Botany</i> , <b>2018</b> , 128, 149-167	2.5	3
327	Selection in response to community diversity alters plant performance and functional traits. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2018</b> , 33, 51-61	3	11
326	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2018</b> , 11, 2263-2275	4.7	12
325	Interspecific trait differences rather than intraspecific trait variation increase the extent and filling of community trait space with increasing plant diversity in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2018</b> , 33, 42-50	3	10
324	The Nagoya Protocol could backfire on the Global South. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 917-919	12.3	22
323	Can niche plasticity promote biodiversity-productivity relationships through increased complementarity?. <i>Ecology</i> , <b>2017</b> , 98, 1104-1116	4.6	49
322	Despite admixing two closely related <i>Carex</i> species differ in their regional morphological differentiation. <i>Plant Systematics and Evolution</i> , <b>2017</b> , 303, 901-914	1.3	2
321	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystems—study from SE China. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 111-127	1.7	68
320	Biodiversity: Complementary canopies. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 104	12.3	12
319	Tree diversity drives diversity of arthropod herbivores, but successional stage mediates detritivores. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 8753-8760	2.8	15
318	Editorial overview: Environmental change issues: Integrated global change and biodiversity research for a sustainable future. <i>Current Opinion in Environmental Sustainability</i> , <b>2017</b> , 29, vii-xi	7.2	1
317	Biodiversity ecosystem functioning research in Chinese subtropical forests. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 1-3	1.7	1
316	Positive effects of tree species richness on fine-root production in a subtropical forest in SE-China. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 146-157	1.7	45
315	Plant diversity maintains long-term ecosystem productivity under frequent drought by increasing short-term variation. <i>Ecology</i> , <b>2017</b> , 98, 2952-2961	4.6	53
314	Biodiversity promotes primary productivity and growing season lengthening at the landscape scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10160-10165	11.5	62
313	Effects of nitrogen deposition on soil microbial communities in temperate and subtropical forests in China. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 1367-1375	10.2	46
312	Impact of tree diversity and environmental conditions on the survival of shrub species in a forest biodiversity experiment in subtropical China. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 179-189	1.7	15

311	Mapping functional diversity from remotely sensed morphological and physiological forest traits. <i>Nature Communications</i> , <b>2017</b> , 8, 1441	17.4	129
310	Toward a methodical framework for comprehensively assessing forest multifunctionality. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 10652-10674	2.8	32
309	Seasonal characteristics and determinants of tree growth in a Chinese subtropical forest. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 4-12	1.7	17
308	Interspecific and intraspecific variation in specific root length drives aboveground biodiversity effects in young experimental forest stands. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 158-169	1.7	38
307	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. <i>Basic and Applied Ecology</i> , <b>2017</b> , 23, 1-73	3.2	184
306	Measuring Impartial Preference for Biodiversity. <i>Ecological Economics</i> , <b>2017</b> , 132, 45-54	5.6	4
305	A guide to analyzing biodiversity experiments. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 91-110	1.7	58
304	Positive effects of tree species diversity on litterfall quantity and quality along a secondary successional chronosequence in a subtropical forest. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 28-35	1.7	40
303	Tree diversity increases levels of herbivore damage in a subtropical forest canopy: evidence for dietary mixing by arthropods?. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 13-27	1.7	28
302	Leaf area increases with species richness in young experimental stands of subtropical trees. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 128-135	1.7	26
301	Genomics meets remote sensing in global change studies: monitoring and predicting phenology, evolution and biodiversity. <i>Current Opinion in Environmental Sustainability</i> , <b>2017</b> , 29, 177-186	7.2	20
300	Observations, indicators and scenarios of biodiversity and ecosystem services change: a framework to support policy and decision-making. <i>Current Opinion in Environmental Sustainability</i> , <b>2017</b> , 29, 198-206	7.2	9
299	Functional trait dissimilarity drives both species complementarity and competitive disparity. <i>Functional Ecology</i> , <b>2017</b> , 31, 2320-2329	5.6	31
298	Decomposing functional trait associations in a Chinese subtropical forest. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175727	3.7	11
297	Decision-Making: Are Plants More Rational than Animals?. <i>Current Biology</i> , <b>2016</b> , 26, R675-8	6.3	9
296	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , <b>2016</b> , 354,	33.3	593
295	Linking individual-level functional traits to tree growth in a subtropical forest. <i>Ecology</i> , <b>2016</b> , 97, 2396-2405	4.5	58
294	Shrines in Central Italy conserve plant diversity and large trees. <i>Ambio</i> , <b>2016</b> , 45, 468-79	6.5	21



293	Convergent high diversity in naturally colonized experimental grasslands is not related to increased productivity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2016</b> , 20, 32-45	3	9
292	Apomixis Allows the Transgenerational Fixation of Phenotypes in Hybrid Plants. <i>Current Biology</i> , <b>2016</b> , 26, 331-7	6.3	31
291	Plant selection and soil legacy enhance long-term biodiversity effects. <i>Ecology</i> , <b>2016</b> , 97, 918-928	4.6	13
290	Soil Communities Promote Temporal Stability and Species Asynchrony in Experimental Grassland Communities. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148015	3.7	14
289	Net Assimilation Rate Determines the Growth Rates of 14 Species of Subtropical Forest Trees. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150644	3.7	15
288	Tree Diversity Enhances Stand Carbon Storage but Not Leaf Area in a Subtropical Forest. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167771	3.7	21
287	Seed Production Affects Maternal Growth and Senescence in Arabidopsis. <i>Plant Physiology</i> , <b>2016</b> , 171, 392-404	6.6	24
286	Options of partners improve carbon for phosphorus trade in the arbuscular mycorrhizal mutualism. <i>Ecology Letters</i> , <b>2016</b> , 19, 648-56	10	43
285	The value of biodiversity for the functioning of tropical forests: insurance effects during the first decade of the Sabah biodiversity experiment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	26
284	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. <i>Ecosphere</i> , <b>2016</b> , 7, e01619	3.1	60
283	Genetic diversity of two tropical tree species of the Dipterocarpaceae following logging and restoration in Borneo: high genetic diversity in plots with high species diversity. <i>Plant Ecology and Diversity</i> , <b>2016</b> , 9, 459-469	2.2	14
282	Complementarity among four highly productive grassland species depends on resource availability. <i>Oecologia</i> , <b>2016</b> , 181, 571-82	2.9	25
281	Predicting stochastic community dynamics in grasslands under the assumption of competitive symmetry. <i>Journal of Theoretical Biology</i> , <b>2016</b> , 399, 53-61	2.3	23
280	Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	114
279	Plant selection and soil legacy enhance long-term biodiversity effects. <i>Ecology</i> , <b>2016</b> , 97, 918	4.6	2
278	Plant selection and soil legacy enhance long-term biodiversity effects. <i>Ecology</i> , <b>2016</b> , 97, 918-28	4.6	13
277	Precipitation modifies the effects of warming and nitrogen addition on soil microbial communities in northern Chinese grasslands. <i>Soil Biology and Biochemistry</i> , <b>2015</b> , 89, 12-23	7.5	71
276	Complementarity effects do not necessarily result in significant transgressive over-performance in mixtures. <i>Biological Invasions</i> , <b>2015</b> , 17, 529-535	2.7	4

275	The ecological forecast horizon, and examples of its uses and determinants. <i>Ecology Letters</i> , <b>2015</b> , 18, 597-611	10	174
274	Persistence of seeds, seedlings and plants, performance of transgenic wheat in weed communities in the field and effects on fallow weed diversity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2015</b> , 17, 421-433	3	2
273	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , <b>2015</b> , 526, 574-7	50.4	647
272	Selection in monoculture vs. mixture alters plant metabolic fingerprints. <i>Journal of Plant Ecology</i> , <b>2015</b> , 8, 549-557	1.7	11
271	Rodent selectivity of piperidine-4-yl-1H-indoles, a series of CC chemokine receptor-3 (CCR3) antagonists: insights from a receptor model. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 229-35 <sup>2.9</sup>		1
270	Plant diversity and community history shift colonization success from early- to mid-successional species. <i>Journal of Plant Ecology</i> , <b>2015</b> , 8, 231-241	1.7	13
269	Aesthetic quality of agricultural landscape elements in different seasonal stages in Switzerland. <i>Landscape and Urban Planning</i> , <b>2015</b> , 133, 67-77	7.7	86
268	Early subtropical forest growth is driven by community mean trait values and functional diversity rather than the abiotic environment. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 3541-56	2.8	40
267	Plasticity of functional traits of forb species in response to biodiversity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2015</b> , 17, 66-77	3	48
266	Contrasting effects of intraspecific trait variation on trait-based niches and performance of legumes in plant mixtures. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119786	3.7	27
265	Genotypic diversity of an invasive plant species promotes litter decomposition and associated processes. <i>Oecologia</i> , <b>2014</b> , 174, 993-1005	2.9	16
264	Consequences of biodiversity loss for litter decomposition across biomes. <i>Nature</i> , <b>2014</b> , 509, 218-21	50.4	447
263	Strong contribution of autumn phenology to changes in satellite-derived growing season length estimates across Europe (1982-2011). <i>Global Change Biology</i> , <b>2014</b> , 20, 3457-70	11.4	154
262	Selection for niche differentiation in plant communities increases biodiversity effects. <i>Nature</i> , <b>2014</b> , 515, 108-11	50.4	210
261	Attitudes toward forest diversity and forest ecosystem services – cross-cultural comparison between China and Switzerland. <i>Journal of Plant Ecology</i> , <b>2014</b> , 7, 1-9	1.7	41
260	Long-term study of root biomass in a biodiversity experiment reveals shifts in diversity effects over time. <i>Oikos</i> , <b>2014</b> , 123, 1528-1536	4	126
259	Different assembly processes drive shifts in species and functional composition in experimental grasslands varying in sown diversity and community history. <i>PLoS ONE</i> , <b>2014</b> , 9, e101928	3.7	18
258	Field-based observations of regional-scale, temporal variation in net primary production in Tibetan alpine grasslands. <i>Biogeosciences</i> , <b>2014</b> , 11, 2003-2016	4.6	37

257	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical China. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 74-89	7.7	179
256	A trait-based experimental approach to understand the mechanisms underlying biodiversity-ecosystem functioning relationships. <i>Basic and Applied Ecology</i> , <b>2014</b> , 15, 229-240	3.2	68
255	Sexual <i>Hieracium pilosella</i> plants are better inter-specific, while apomictic plants are better intra-specific competitors. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2014</b> , 16, 43-51	3	5
254	Tree species traits but not diversity mitigate stem breakage in a subtropical forest following a rare and extreme ice storm. <i>PLoS ONE</i> , <b>2014</b> , 9, e96022	3.7	7
253	Functionally and phylogenetically diverse plant communities key to soil biota. <i>Ecology</i> , <b>2013</b> , 94, 1878-85	4.6	60
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251	A comparison of the strength of biodiversity effects across multiple functions. <i>Oecologia</i> , <b>2013</b> , 173, 223-37	2.9	82
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249	Costs of resistance to fungal pathogens in genetically modified wheat. <i>Journal of Plant Ecology</i> , <b>2013</b> , 6, 92-100	1.7	12
248	Density and habitat use of lions and spotted hyenas in northern Botswana and the influence of survey and ecological variables on call-in survey estimation. <i>Biodiversity and Conservation</i> , <b>2013</b> , 22, 2937-2956	3.4	45
247	Comparison of the effects of artificial and natural barriers on large African carnivores: implications for interspecific relationships and connectivity. <i>Journal of Animal Ecology</i> , <b>2013</b> , 82, 707-15	4.7	45
246	What happens to the sown species if a biodiversity experiment is not weeded?. <i>Basic and Applied Ecology</i> , <b>2013</b> , 14, 187-198	3.2	21
245	Does a giant tortoise taxon substitute enhance seed germination of exotic fleshy-fruited plants?. <i>Journal of Plant Ecology</i> , <b>2013</b> , 6, 57-63	1.7	6
244	Predicting ecosystem stability from community composition and biodiversity. <i>Ecology Letters</i> , <b>2013</b> , 16, 617-25	10	190
243	Loss of plant biodiversity eliminates stimulatory effect of elevated CO <sub>2</sub> on earthworm activity in grasslands. <i>Oecologia</i> , <b>2013</b> , 171, 613-22	2.9	13
242	A functional trait-based approach to understand community assembly and diversity-productivity relationships over 7 years in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2013</b> , 15, 139-149	3	55
241	Consistent Effects of Biodiversity on Ecosystem Functioning Under Varying Density and Evenness. <i>Folia Geobotanica</i> , <b>2013</b> , 48, 335-353	1.4	13
240	Biodiversity promotes tree growth during succession in subtropical forest. <i>PLoS ONE</i> , <b>2013</b> , 8, e81246	3.7	83

239	Effect of clear-cutting silviculture on soil respiration in a subtropical forest of China. <i>Journal of Plant Ecology</i> , <b>2013</b> , 6, 335-348	1.7	12
238	Soil environmental conditions and microbial build-up mediate the effect of plant diversity on soil nitrifying and denitrifying enzyme activities in temperate grasslands. <i>PLoS ONE</i> , <b>2013</b> , 8, e61069	3.7	59
237	Kinetic energy of Throughfall in subtropical forests of SE China - effects of tree canopy structure, functional traits, and biodiversity. <i>PLoS ONE</i> , <b>2013</b> , 8, e49618	3.7	37
236	Separating drought effects from roof artifacts on ecosystem processes in a grassland drought experiment. <i>PLoS ONE</i> , <b>2013</b> , 8, e70997	3.7	34
235	Changes in the abundance of grassland species in monocultures versus mixtures and their relation to biodiversity effects. <i>PLoS ONE</i> , <b>2013</b> , 8, e75599	3.7	23
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233	Mechanisms promoting tree species co-existence: Experimental evidence with saplings of subtropical forest ecosystems of China. <i>Journal of Vegetation Science</i> , <b>2012</b> , 23, 837-846	3.1	39
232	Plant traits affecting herbivory on tree recruits in highly diverse subtropical forests. <i>Ecology Letters</i> , <b>2012</b> , 15, 732-9	10	66
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227	Fear of the dark or dinner by moonlight? Reduced temporal partitioning among Africa's large carnivores. <i>Ecology</i> , <b>2012</b> , 93, 2590-9	4.6	150
226	Using plant functional traits to explain diversity-productivity relationships. <i>PLoS ONE</i> , <b>2012</b> , 7, e36760	3.7	195
225	Relationship between reproductive allocation and relative abundance among 32 species of a Tibetan alpine meadow: effects of fertilization and grazing. <i>PLoS ONE</i> , <b>2012</b> , 7, e35448	3.7	19
224	Inbreeding depression under drought stress in the rare endemic <i>Echium wildpretii</i> (Boraginaceae) on Tenerife, Canary islands. <i>PLoS ONE</i> , <b>2012</b> , 7, e47415	3.7	12
223	Effects of tree sapling diversity and nutrient addition on herb-layer invasibility in communities of subtropical species. <i>Open Journal of Ecology</i> , <b>2012</b> , 02, 1-11	0.5	6
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221	Community assembly during secondary forest succession in a Chinese subtropical forest. <i>Ecological Monographs</i> , <b>2011</b> , 81, 25-41	9	184
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217	Competitive performance of transgenic wheat resistant to powdery mildew. <i>PLoS ONE</i> , <b>2011</b> , 6, e28091	3.7	14
216	Genotypic richness and dissimilarity opposingly affect ecosystem functioning. <i>Ecology Letters</i> , <b>2011</b> , 14, 537-45	10	118
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214	Transgenic Pm3b wheat lines show resistance to powdery mildew in the field. <i>Plant Biotechnology Journal</i> , <b>2011</b> , 9, 897-910	11.6	51
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212	Soil environmental conditions rather than denitrifier abundance and diversity drive potential denitrification after changes in land uses. <i>Global Change Biology</i> , <b>2011</b> , 17, 1975-1989	11.4	196
211	Identifying population- and community-level mechanisms of diversity-stability relationships in experimental grasslands. <i>Journal of Ecology</i> , <b>2011</b> , 99, 1460-1469	6	83
210	Effect of Connectivity Between Restoration Meadows on Invertebrates with Contrasting Dispersal Abilities. <i>Restoration Ecology</i> , <b>2011</b> , 19, 151-159	3.1	22
209	Selection for monoculture and mixture genotypes in a biodiversity experiment. <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 360-371	3.2	31
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201	Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment. <i>Nature</i> , <b>2010</b> , 468, 553-6	50.4	614
200	Environmental factors covary with plant diversity-productivity relationships among Chinese grassland sites. <i>Global Ecology and Biogeography</i> , <b>2010</b> , 19, 233-243	6.1	115
199	Diversity promotes temporal stability across levels of ecosystem organization in experimental grasslands. <i>PLoS ONE</i> , <b>2010</b> , 5, e13382	3.7	79
198	General stabilizing effects of plant diversity on grassland productivity through population asynchrony and overyielding. <i>Ecology</i> , <b>2010</b> , 91, 2213-20	4.6	306
197	Biodiversity and belowground interactions mediate community invasion resistance against a tall herb invader. <i>Journal of Plant Ecology</i> , <b>2010</b> , 3, 99-108	1.7	16
196	Transgene x environment interactions in genetically modified wheat. <i>PLoS ONE</i> , <b>2010</b> , 5, e11405	3.7	62
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191	Taxonomic identity, phylogeny, climate and soil fertility as drivers of leaf traits across Chinese grassland biomes. <i>Journal of Plant Research</i> , <b>2010</b> , 123, 551-61	2.6	47
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188	Plant diversity enhances provision of ecosystem services: A new synthesis. <i>Basic and Applied Ecology</i> , <b>2010</b> , 11, 582-593	3.2	119
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186	Effects of plant species richness on stand structure and productivity. <i>Journal of Plant Ecology</i> , <b>2009</b> , 2, 95-106	1.7	34

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184	Non-random recruitment of invader species in experimental grasslands. <i>Oikos</i> , <b>2009</b> , 118, 1524-1540	4	20
183	A linear model method for biodiversity-ecosystem functioning experiments. <i>American Naturalist</i> , <b>2009</b> , 174, 836-49	3.7	62
182	Loss of habitat specialists despite conservation management in fen remnants 1995-2006. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2009</b> , 11, 65-79	3	39
181	Plant species richness and functional composition drive overyielding in a six-year grassland experiment. <i>Ecology</i> , <b>2009</b> , 90, 3290-302	4.6	263
180	Community niche predicts the functioning of denitrifying bacterial assemblages. <i>Ecology</i> , <b>2009</b> , 90, 3324-32	4.3	98
179	Diversity effects in early- and mid-successional species pools along a nitrogen gradient. <i>Ecology</i> , <b>2009</b> , 90, 637-48	4.6	38
178	Belowground nitrogen partitioning in experimental grassland plant communities of varying species richness. <i>Ecology</i> , <b>2009</b> , 90, 1389-99	4.6	105
177	Aboveground overyielding in grassland mixtures is associated with reduced biomass partitioning to belowground organs. <i>Ecology</i> , <b>2009</b> , 90, 1520-30	4.6	97
176	Taxonomic, phylogenetic, and environmental trade-offs between leaf productivity and persistence. <i>Ecology</i> , <b>2009</b> , 90, 2779-91	4.6	55
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173	Consequences of species loss for ecosystem functioning: meta-analyses of data from biodiversity experiments <b>2009</b> , 14-29		55
172	The analysis of biodiversity experiments: from pattern toward mechanism <b>2009</b> , 94-104		17
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167	Growth rates, seed size, and physiology: do small-seeded species really grow faster?. <i>Ecology</i> , <b>2008</b> , 89, 1352-63	4.6	65
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155	Niche pre-emption increases with species richness in experimental plant communities. <i>Journal of Ecology</i> , <b>2007</b> , 95, 65-78	6	150
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153	The Swiss agri-environment scheme enhances pollinator diversity and plant reproductive success in nearby intensively managed farmland. <i>Journal of Applied Ecology</i> , <b>2007</b> , 44, 813-822	5.8	140
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146	Quantifying the evidence for biodiversity effects on ecosystem functioning and services. <i>Ecology Letters</i> , <b>2006</b> , 9, 1146-56	10	1690
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143	Effects of plant diversity on invertebrate herbivory in experimental grassland. <i>Oecologia</i> , <b>2006</b> , 147, 489-500	5.9	84
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125	Species evenness and productivity in experimental plant communities. <i>Oikos</i> , <b>2004</b> , 107, 50-63	4	158
124	Rapid decay of diversity-productivity relationships after invasion of experimental plant communities. <i>Basic and Applied Ecology</i> , <b>2004</b> , 5, 5-14	3.2	84
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23	Biochemical symptoms of stress in the mycorrhizal roots of Norway spruce ( <i>Picea abies</i> ). <i>Trees - Structure and Function</i> , <b>1989</b> , 3, 65	2.6	
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14	Biotic interactions, community assembly, and eco-evolutionary dynamics as drivers of long-term biodiversity-ecosystem functioning relationships. <i>Research Ideas and Outcomes</i> , 5,	2.5	5
13	Co-occurrence history increases ecosystem temporal stability and recovery from a flood in experimental plant communities		1
12	The results of biodiversity-ecosystem functioning experiments are realistic		1
11	Positive interactions support complex networks		1
10	Facilitation between plants shapes pollination networks		1
9	Diversity increases yield but reduces reproductive effort in crop mixtures		2
8	Effects of plant community history, soil legacy and plant diversity on soil microbial communities		1
7	Diversity and asynchrony in soil microbial communities stabilizes ecosystem functioning		2
6	Strong positive biodiversity-productivity relationships in a subtropical forest experiment		1



5	Diversity loss selects for altered plant phenotypic responses to local arbuscular mycorrhizal communities	5
4	Evidence for rapid evolution in a grassland biodiversity experiment	2
3	Rhizosphere bacterial community composition depends on plant diversity legacy in soil and plant species identity	4
2	Plant traits are poor predictors of long-term ecosystem functioning	2
1	Soil Fungi Promote Biodiversity-Productivity Relationships in Experimental Communities of Young Trees. <i>Ecosystems</i> ,1	3.9 0