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**Functional- and abundance-based mechanisms explain diversity loss due to N fertilization**

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614	Indirect facilitation promotes macrophyte survival and growth in freshwater ecosystems threatened by eutrophication. <b>2012</b> , 100, 530-538	51
613	Simulated N deposition negatively impacts sugar maple regeneration in a northern hardwood ecosystem. <b>2012</b> , 49, 155-163	19
612	Interactions between elevated atmospheric CO <sub>2</sub> and defoliation on North American rangeland plant species at low and high N availability. <b>2012</b> , 67, 350-360	1
611	Stability of tallgrass prairie during a 19-year increase in growing season precipitation. <b>2012</b> , 26, 1450-1459	68
610	Different inter-annual responses to availability and form of nitrogen explain species coexistence in an alpine meadow community after release from grazing. <b>2012</b> , 18, 3100-3111	43
609	Nitrogen critical loads for alpine vegetation and soils in Rocky Mountain National Park. <b>2012</b> , 103, 165-71	73
608	Diversity-dependent stability under mowing and nutrient addition: evidence from a 7-year grassland experiment. <b>2012</b> , 15, 619-26	148
607	Vegetation Cover and Elevation in Long-Term Experimental Nutrient-Enrichment Plots in Great Sippewissett Salt Marsh, Cape Cod, Massachusetts: Implications for Eutrophication and Sea Level rise. <b>2012</b> , 35, 445-458	65
606	A comparison of <i>Guibourtia copallifera</i> Benn. stands in South West Burkina Faso-community structure and regeneration. <b>2012</b> , 23, 29-38	5

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604	Central European plant species from more productive habitats are more invasive at a global scale. <b>2013</b> , 22, 64-72	53
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602	Nitrogen fertilization increases diversity and productivity of prairie communities used for bioenergy. <b>2013</b> , 5, 281-289	38
601	Plant community responses to long-term fertilization: changes in functional group abundance drive changes in species richness. <b>2013</b> , 173, 1513-20	37
600	Plant and soil responses of an alpine steppe on the Tibetan Plateau to multi-level nitrogen addition. <b>2013</b> , 373, 515-529	52
599	Competitive interaction between the exotic plant <i>Rhus typhina</i> L. and the native tree <i>Quercus acutissima</i> Carr. in Northern China under different soil N:P ratios. <b>2013</b> , 372, 389-400	24
598	Differences in nitrogen use strategies between native and exotic tree species: predicting impacts on invaded ecosystems. <b>2013</b> , 363, 319-329	18
597	Nitrogen deposition, plant carbon allocation, and soil microbes: changing interactions due to enrichment. <b>2013</b> , 100, 1458-70	35
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595	Combined effects of snow depth and nitrogen addition on ephemeral growth at the southern edge of the Gurbantunggut Desert, China. <b>2013</b> , 5, 500-510	19
594	Effects of experimental rainfall manipulations on Chihuahuan Desert grassland and shrubland plant communities. <b>2013</b> , 172, 1117-27	94
593	Nitrogen and Phosphorus Differentially Affect Annual and Perennial Plants in Tidal Freshwater and Oligohaline Wetlands. <b>2013</b> , 36, 547-558	12
592	Accidental experiments: ecological and evolutionary insights and opportunities derived from global change. <b>2013</b> , 122, 1649-1661	25
591	Effects of additional N on herbaceous species of desertified steppe in arid regions of China: a four-year field study. <b>2013</b> , 28, 21-28	20
590	Going beyond taxonomic diversity: deconstructing biodiversity patterns reveals the true cost of iceplant invasion. <b>2013</b> , 19, 1566-1577	41
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587	Trait-based tests of coexistence mechanisms. <b>2013</b> , 16, 1294-306	320
586	Microbial abundance and composition influence litter decomposition response to environmental change. <b>2013</b> , 94, 714-25	251
585	Nitrogen supply in conventional versus organic farming systems: effects on the performance of cereal aphids. <b>2013</b> , 3, 129-139	
584	Functional gene differences in soil microbial communities from conventional, low-input, and organic farmlands. <b>2013</b> , 79, 1284-92	73
583	The effect of habitat fragmentation and abiotic factors on fen plant occurrence. <b>2013</b> , 22, 405-424	22
582	The effects of nutrient addition on plant species diversity in desert grassland, Xinjiang, northwest China. <b>2013</b> , 298, 152-160	8
581	Phenolic inputs by invasive species could impart seasonal variations in nitrogen pools in the introduced soils: A case study with <i>Polygonum cuspidatum</i> . <b>2013</b> , 57, 858-867	43
580	Consistency and sensitivity of stream periphyton community structural and functional responses to nutrient enrichment. <b>2013</b> , 23, 159-73	24
579	Nitrogen Deposition and Terrestrial Biodiversity. <b>2013</b> , 519-536	10
578	Food, Nutrition and Agrobiodiversity Under Global Climate Change. <b>2013</b> , 120, 1-128	48
577	Stochastic and deterministic processes together determine alpine meadow plant community composition on the Tibetan Plateau. <b>2013</b> , 171, 495-504	23
576	Resource availability and imbalance affect plant-mycorrhizal interactions: a field test of three hypotheses. <b>2013</b> , 94, 62-71	41
575	Topography- and management-mediated resource gradients maintain rare and common plant diversity around paddy terraces. <b>2013</b> , 23, 1357-66	23
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572	Nitrogen addition and warming independently influence the belowground micro-food web in a temperate steppe. <b>2013</b> , 8, e60441	39
571	Mechanisms for success after long-term nutrient enrichment in a boreal forest understory. <b>2013</b> , 8, e61229	6
570	Long-term nitrogen amendment alters the diversity and assemblage of soil bacterial communities in tallgrass prairie. <b>2013</b> , 8, e67884	68

569	Ammonium as a driving force of plant diversity and ecosystem functioning: observations based on 5 years' manipulation of N dose and form in a Mediterranean ecosystem. <b>2014</b> , 9, e92517	17
568	<i>Alnus viridis</i> expansion contributes to excess reactive nitrogen release, reduces biodiversity and constrains forest succession in the Alps. <b>2014</b> , 124, 187-191	22
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566	Height and clonality traits determine plant community responses to fertilization. <b>2014</b> , 95, 2443-2452	56
565	Nitrogen deposition alters plant-fungal relationships: linking belowground dynamics to aboveground vegetation change. <b>2014</b> , 23, 1364-78	51
564	Facilitation as a ubiquitous driver of biodiversity. <b>2014</b> , 201, 403-416	218
563	Invaded grassland communities have altered stability-maintenance mechanisms but equal stability compared to native communities. <b>2014</b> , 17, 92-100	43
562	Leaf functional trait variation associated with salt tolerance in perennial ryegrass. <b>2014</b> , 16, 107-16	2
561	Forest floor vegetation response to nitrogen deposition in Europe. <b>2014</b> , 20, 429-40	115
560	Experimental evidence that soil heterogeneity enhances plant diversity during community assembly. <b>2014</b> , 7, 461-469	34
559	A phylogenetically-informed trait-based analysis of range change in the vascular plant flora of Britain. <b>2014</b> , 23, 171-185	23
558	Resource competition and community response to fertilization: the outcome depends on spatial strategies. <b>2014</b> , 7, 127-135	2
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556	Soil fertility alters the nature of plant-resource interactions in invaded grassland communities. <b>2014</b> , 16, 2465-2478	11
555	Incorporation of <sup>13</sup> C labelled glucose into soil microorganisms of grassland: Effects of fertilizer addition and plant functional group composition. <b>2014</b> , 69, 38-45	26
554	Modeled subalpine plant community response to climate change and atmospheric nitrogen deposition in Rocky Mountain National Park, USA. <b>2014</b> , 187, 55-64	23
553	Linking flowering and reproductive allocation in response to nitrogen addition in an alpine meadow. <b>2014</b> , 7, 231-239	21
552	Arbuscular mycorrhizal fungi affect seedling recruitment: a potential mechanism by which N deposition favors the dominance of grasses over forbs. <b>2014</b> , 375, 127-136	13



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550	Changes in plant community composition, not diversity, during a decade of nitrogen and phosphorus additions drive above-ground productivity in a tallgrass prairie. <b>2014</b> , 102, 1649-1660		96
549	The effects of insects, nutrients, and plant invasion on community structure and function above-and belowground. <b>2014</b> , 4, 732-42		6
548	Connectivity and propagule sources composition drive ditch plant metacommunity structure. <b>2014</b> , 61, 57-64		13
547	Biodiversity declines due to abandonment and intensification of agricultural lands: patterns and mechanisms. <b>2014</b> , 84, 637-658		112
546	Competitive exclusion, beta diversity, and deterministic vs. stochastic drivers of community assembly. <b>2014</b> , 17, 1400-8		66
545	Climate and soil attributes determine plant species turnover in global drylands. <b>2014</b> , 41, 2307-2319		53
544	Water stress due to increased intra-annual precipitation variability reduced forage yield but raised forage quality of a temperate grassland. <b>2014</b> , 186, 11-22		66
543	Fertilization decreases species diversity but increases functional diversity: A three-year experiment in a Tibetan alpine meadow. <b>2014</b> , 182, 106-112		54
542	Responses of alpine meadow seed bank and vegetation to nine consecutive years of soil fertilization. <b>2014</b> , 70, 92-101		21
541	Interactive Effects of Nitrogen and Water Addition on Competitive Hierarchies Between Early- and Late- Successional Plant Species. <b>2014</b> , 62, 665-678		1
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538	Life-history evolution in the anthropocene: effects of increasing nutrients on traits and trade-offs. <b>2015</b> , 8, 635-49		44
537	Effects of nitrogen and phosphorus additions on soil microbial biomass and community structure in two reforested tropical forests. <b>2015</b> , 5, 14378		41
536	Bottom-up and top-down interactions across ecosystems in an era of global change. 365-406		
535	Eutrophication and hypoxia: impacts of nutrient and organic enrichment. 202-243		2
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533	Environmental changes drive the temporal stability of semi-arid natural grasslands through altering species asynchrony. <b>2015</b> , 103, 1308-1316	87
532	Influences of nitrogen, phosphorus and silicon addition on plant productivity and species richness in an alpine meadow. <b>2015</b> , 7,	22
531	Intransitive competition is widespread in plant communities and maintains their species richness. <b>2015</b> , 18, 790-798	100
530	The effects of species properties and community context on establishment success. <b>2015</b> , 124, 355-363	9
529	Disruption of metal ion homeostasis in soils is associated with nitrogen deposition-induced species loss in an Inner Mongolia steppe. <b>2015</b> , 12, 3499-3512	13
528	Rhizosphere bacterial communities of dominant steppe plants shift in response to a gradient of simulated nitrogen deposition. <b>2015</b> , 6, 789	11
527	Management Intensity Modifies Plant Diversity Effects on N Yield and Mineral N in Soil. <b>2015</b> , 79, 559-568	3
526	Long-Term Biomass Yield and Species Composition in Native Perennial Bioenergy Cropping Systems. <b>2015</b> , 107, 1627-1640	26
525	Changes in species composition, diversity and biomass of herbaceous plant traits due to N amendment in a dry tropical environment of India. <b>2015</b> , 8, 321-332	11
524	Erosion of beta diversity under interacting global change impacts in a semi-arid grassland. <b>2015</b> , 103, 397-407	16
523	Elevated carbon dioxide is predicted to promote coexistence among competing species in a trait-based model. <b>2015</b> , 5, 4717-33	9
522	Antithetical effects of nitrogen and water availability on community similarity of semiarid grasslands: evidence from a nine-year manipulation experiment. <b>2015</b> , 397, 357-369	13
521	Contrasting the effects of environment, dispersal and biotic interactions to explain the distribution of invasive plants in alpine communities. <b>2015</b> , 17, 1407-1423	33
520	Reduced compensatory effects explain the nitrogen-mediated reduction in stability of an alpine meadow on the Tibetan Plateau. <b>2015</b> , 207, 70-77	41
519	The influence of fertilizer addition, cutting frequency and herbicide application on soil organisms in grassland. <b>2015</b> , 51, 197-205	8
518	Differential Responses of Ammonia-Oxidizers Communities to Nitrogen and Water Addition in <i>Stipa baicalensis</i> Steppe, Inner Mongolia, Northern China. <b>2015</b> , 6, 1-11	1
517	Trait-based analysis of decline in plant species ranges during the 20th century: a regional comparison between the UK and Estonia. <b>2015</b> , 21, 2726-2738	9
516	Long-term dynamics and hotspots of change in a desert grassland plant community. <b>2015</b> , 185, E30-43	39

515	Invertebrate, not small vertebrate, herbivory interacts with nutrient availability to impact tallgrass prairie community composition and forb biomass. <b>2015</b> , 124, 842-850	22
514	Competition and soil resource environment alter plant-soil feedbacks for native and exotic grasses. <b>2014</b> , 7,	34
513	Assembly of root-associated bacteria communities: interactions between abiotic and biotic factors. <b>2015</b> , 7, 102-10	14
512	Global environmental change and the nature of aboveground net primary productivity responses: insights from long-term experiments. <b>2015</b> , 177, 935-47	38
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510	Impacts of agricultural changes in response to climate and socioeconomic change on nitrogen deposition in nature reserves. <b>2015</b> , 30, 871-885	9
509	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. <b>2015</b> , 96, 1492-1501	52
508	Responses of two contrasting saline-alkaline grassland communities to nitrogen addition during early secondary succession. <b>2015</b> , 26, 686-696	13
507	The effect of agriculture management and fire on epiphytic lichens on holm oak trees in the eastern Iberian Peninsula. <b>2015</b> , 47, 59-68	5
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505	Nitrogen and phosphorus productivities of five subtropical tree species in response to elevated CO <sub>2</sub> and N addition. <b>2015</b> , 134, 845-856	12
504	Plant ecology. Worldwide evidence of a unimodal relationship between productivity and plant species richness. <b>2015</b> , 349, 302-5	228
503	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. <b>2015</b> , 6, 7414	476
502	Scale-dependent patterns and mechanisms of grazing-induced biodiversity loss: evidence from a field manipulation experiment in semiarid steppe. <b>2015</b> , 30, 1751-1765	19
501	Functional trait expression of grassland species shift with short- and long-term nutrient additions. <b>2015</b> , 216, 307-318	24
500	Abundance- and functional-based mechanisms of plant diversity loss with fertilization in the presence and absence of herbivores. <b>2015</b> , 179, 261-70	24
499	Impacts of weather on long-term patterns of plant richness and diversity vary with location and management. <b>2015</b> , 96, 2417-32	20
498	Scaling from Traits to Ecosystems. <b>2015</b> , 249-318	183

497	Testing the scaling effects and mechanisms of N-induced biodiversity loss: evidence from a decade-long grassland experiment. <b>2015</b> , 103, 750-760		15
496	Abundance of common species, not species richness, drives delivery of a real-world ecosystem service. <b>2015</b> , 18, 626-35		336
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494	Over 150 years of long-term fertilization alters spatial scaling of microbial biodiversity. <b>2015</b> , 6,		32
493	The temporal dynamics of a regional flora—the effects of global and local impacts. <b>2015</b> , 217, 99-108		4
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491	Dynamics of structural traits in two competing C3 grass species: influence of neighbours and nitrogen. <b>2015</b> , 70, 102-115		4
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488	Grass-legume mixtures impact soil N, species recruitment, and productivity in temperate steppe grassland. <b>2015</b> , 394, 271-285		32
487	Nitrogen deposition potentially contributes to oak regeneration failure in the Midwestern temperate forests of the USA. <b>2015</b> , 177, 53-63		18
486	A functional-trait approach reveals community diversity and assembly processes responses to flood disturbance in a subtropical wetland. <b>2015</b> , 30, 57-66		23
485	Transformation and plant uptake of <sup>15</sup> N-labeled fertilizers mediated by ammonia-oxidizing bacteria in alkaline bauxite-processing residue sand amended with greenwaste compost. <b>2015</b> , 74, 68-78		9
484	Land use effects on sedimentation and water storage volume in playas of the rainwater basin of Nebraska. <b>2015</b> , 42, 426-431		11
483	Plant Physiological, Morphological and Yield-Related Responses to Night Temperature Changes across Different Species and Plant Functional Types. <b>2016</b> , 7, 1774		21
482	Interactive effects of precipitation manipulation and nitrogen addition on soil properties in California grassland and shrubland. <b>2016</b> , 107, 144-153		21
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478	Productivity and species richness in longleaf pine woodlands: resource-disturbance influences across an edaphic gradient. <b>2016</b> , 97, 2259-2271	19
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463	Plant nitrogen concentration and isotopic composition in residential lawns across seven US cities. <b>2016</b> , 181, 271-85	24
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461	Functional groups performances as influenced by nitrogen, phosphorus and nodule inhibition of legumes. <b>2016</b> , 9, 784-791	4
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444	Fewer new species colonize at low frequency N addition in a temperate grassland. <b>2016</b> , 30, 1247-1256	18

443	Nitrogen Critical Loads for an Alpine Meadow Ecosystem on the Tibetan Plateau. <b>2016</b> , 57, 531-42	44
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441	Bottom-up and top-down effects on plant communities: nutrients limit productivity, but insects determine diversity and composition. <b>2016</b> , 125, 566-575	14
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435	Short-term acute nitrogen deposition alters the interaction between Korean pine seeds and food hoarding rodents. <b>2016</b> , 367, 80-85	4
434	Weed seed bank diversity and community shift in a four-decade-old fertilization experiment in rice-rice system. <b>2016</b> , 86, 135-145	15
433	Species richness loss after nutrient addition as affected by N:C ratios and phytohormone GA3 contents in an alpine meadow community. <b>2016</b> , 9, 201-211	20
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431	Nitrogen effects on plant species richness in herbaceous communities are more widespread and stronger than those of phosphorus. <b>2017</b> , 212, 390-397	73
430	Evolutionary responses to land use in eight common grassland plants. <b>2017</b> , 105, 1290-1297	16
429	Soil warming and fertilization altered rates of nitrogen transformation processes and selected for adapted ammonia-oxidizing archaea in sub-arctic grassland soil. <b>2017</b> , 107, 114-124	19
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427	Functional diversity increases ecological stability in a grazed grassland. <b>2017</b> , 183, 831-840	35
426	Effects of resource addition on recovery of production and plant functional composition in degraded semiarid grasslands. <b>2017</b> , 184, 13-24	12

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419	A dual role for farmlands: food security and pollinator conservation. <b>2017</b> , 105, 890-899	26
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