

# Cyrille Violle

## 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.

160  
papers

11,917  
citations

51  
h-index

108  
g-index

172  
ext. papers

15,770  
ext. citations

6.6  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
160	Functionally distinct tree species support long-term productivity in extreme environments.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2022</b> , 289, 20211694	4.4	1
159	From cultivar mixtures to allelic mixtures: opposite effects of allelic richness between genotypes and genotype richness in wheat.. <i>New Phytologist</i> , <b>2022</b> ,	9.8	1
158	Early positive biodiversity effects on total biomass in experimental tree seedling assemblages with and without water limitation. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e13096	3.1	1
157	Functional biogeography of weeds reveals how anthropogenic management blurs trait-climate relationships. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e12999	3.1	0
156	The dimensionality and structure of species trait spaces. <i>Ecology Letters</i> , <b>2021</b> , 24, 1988-2009	10	3
155	sPlotOpen An environmentally balanced, open-access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 1740-1764	6.1	6
154	Unveiling ecological assembly rules from commonalities in trait distributions. <i>Ecology Letters</i> , <b>2021</b> , 24, 1668-1680	10	1
153	Plant neighbour-modulated susceptibility to pathogens in intraspecific mixtures. <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 6570-6580	7	3
152	Consistent functional clusters explain the effects of biodiversity on ecosystem productivity in a long-term experiment. <i>Ecology</i> , <b>2021</b> , 102, e03441	4.6	2
151	Do ecological specialization and functional traits explain the abundance-frequency relationship? Arable weeds as a case study. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 37-50	4.1	3
150	Grassland-to-crop conversion in agricultural landscapes has lasting impact on the trait diversity of bees. <i>Landscape Ecology</i> , <b>2021</b> , 36, 281-295	4.3	6
149	Plant immunity: Good fences make good neighbors?. <i>Current Opinion in Plant Biology</i> , <b>2021</b> , 62, 102045	9.9	6
148	Areas of global importance for conserving terrestrial biodiversity, carbon and water. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 1499-1509	12.3	24
147	Disturbed habitats locally reduce the signal of deep evolutionary history in functional traits of plants. <i>New Phytologist</i> , <b>2021</b> , 232, 1849-1862	9.8	1
146	Rebound in functional distinctiveness following warming and reduced fishing in the North Sea. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20201600	4.4	4
145	Into the range: a latitudinal gradient or a center-margins differentiation of ecological strategies in <i>Arabidopsis thaliana</i> ?. <i>Annals of Botany</i> , <b>2021</b> ,	4.1	1
144	Vacant yet invisable niches in forest community assembly. <i>Functional Ecology</i> , <b>2020</b> , 34, 1945-1955	5.6	3

143	Configurational crop heterogeneity increases within-field plant diversity. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 654-663	5.8	24
142	Ecological Specialization and Rarity of Arable Weeds: Insights from a Comprehensive Survey in France. <i>Plants</i> , <b>2020</b> , 9,	4.5	3
141	Weeds: Against the Rules?. <i>Trends in Plant Science</i> , <b>2020</b> , 25, 1107-1116	13.1	11
140	Open Science principles for accelerating trait-based science across the Tree of Life. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 294-303	12.3	54
139	Analyzing snapshot diversity patterns with the Neutral Theory can show functional groups' effects on community assembly. <i>Ecology</i> , <b>2020</b> , 101, e02977	4.6	5
138	Farming plant cooperation in crops. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 287, 20191290	4.4	8
137	Generalist plants are more competitive and more functionally similar to each other than specialist plants: insights from network analyses. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 1922-1933	4.1	15
136	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
135	Is prediction of species richness from stacked species distribution models biased by habitat saturation?. <i>Ecological Indicators</i> , <b>2020</b> , 111, 105970	5.8	9
134	Land-use history impacts functional diversity across multiple trophic groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 1573-1579	11.5	34
133	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 281-294	6.1	8
132	Global distribution and conservation status of ecologically rare mammal and bird species. <i>Nature Communications</i> , <b>2020</b> , 11, 5071	17.4	20
131	Loss of pollinator specialization revealed by historical opportunistic data: Insights from network-based analysis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235890	3.7	3
130	Multifaceted functional diversity for multifaceted crop yield: Towards ecological assembly rules for varietal mixtures. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 2285-2295	5.8	4
129	Domestication-driven changes in plant traits associated with changes in the assembly of the rhizosphere microbiota in tetraploid wheat. <i>Scientific Reports</i> , <b>2020</b> , 10, 12234	4.9	13
128	Equilibrium in plant functional trait responses to warming is stronger under higher climate variability during the Holocene. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 2052-2066	6.1	2
127	Multiple facets of diversity effects on plant productivity: Species richness, functional diversity, species identity and intraspecific competition. <i>Functional Ecology</i> , <b>2020</b> , 34, 287-298	5.6	29
126	sPlot: A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , <b>2019</b> , 30, 161-186	3.1	96

125	Distinguishing the signatures of local environmental filtering and regional trait range limits in the study of trait-environment relationships. <i>Oikos</i> , <b>2019</b> , 128, 960-971	4	7
124	Nonlinear phenotypic variation uncovers the emergence of heterosis in <i>Arabidopsis thaliana</i> . <i>PLoS Biology</i> , <b>2019</b> , 17, e3000214	9.7	19
123	Trait structure and redundancy determine sensitivity to disturbance in marine fish communities. <i>Global Change Biology</i> , <b>2019</b> , 25, 3424-3437	11.4	28
122	The relationship of woody plant size and leaf nutrient content to large-scale productivity for forests across the Americas. <i>Journal of Ecology</i> , <b>2019</b> , 107, 2278-2290	6	11
121	Functional traits modulate plant community responses to alien plant invasion. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2019</b> , 37, 53-63	3	19
120	Functional biogeography of dietary strategies in birds. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 1004-1017	10.17	7
119	Regional and global shifts in crop diversity through the Anthropocene. <i>PLoS ONE</i> , <b>2019</b> , 14, e0209788	3.7	27
118	Early dynamics in plant community trait responses to a novel, more extreme hydrological gradient. <i>Journal of Plant Ecology</i> , <b>2019</b> , 12, 327-335	1.7	9
117	Increasing crop heterogeneity enhances multitrophic diversity across agricultural regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16442-16447	11.5	157
116	Leaf economics and slow-fast adaptation across the geographic range of <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 10758	4.9	16
115	Geographic scale and disturbance influence intraspecific trait variability in leaves and roots of North American understorey plants. <i>Functional Ecology</i> , <b>2019</b> , 33, 1771-1784	5.6	16
114	Reply to 'No evidence for different metabolism in domestic mammals'. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 323	12.3	
113	The commonness of rarity: Global and future distribution of rarity across land plants. <i>Science Advances</i> , <b>2019</b> , 5, eaaz0414	14.3	94
112	What makes a weed a weed? A large-scale evaluation of arable weeds through a functional lens. <i>American Journal of Botany</i> , <b>2019</b> , 106, 90-100	2.7	28
111	Coping with drought: root trait variability within the perennial grass <i>Dactylis glomerata</i> captures a trade-off between dehydration avoidance and dehydration tolerance. <i>Plant and Soil</i> , <b>2019</b> , 434, 327-342	4.2	22
110	Experimental evaluation of the robustness of the growth-stress tolerance trade-off within the perennial grass <i>Dactylis glomerata</i> . <i>Functional Ecology</i> , <b>2018</b> , 32, 1944-1958	5.6	12
109	Ecological and biogeographical drivers of freshwater green algae biodiversity: from local communities to large-scale species pools of desmids. <i>Oecologia</i> , <b>2018</b> , 186, 1017-1030	2.9	10
108	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. <i>Journal of Biogeography</i> , <b>2018</b> , 45, 895-916	4.1	57

107	Shifts in plant functional strategies over the course of wheat domestication. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 25-37	5.8	37
106	Adaptive diversification of growth allometry in the plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 3416-3421	11.5	40
105	When is the best time to flower and disperse? A comparative analysis of plant reproductive phenology in the Mediterranean. <i>Functional Ecology</i> , <b>2018</b> , 32, 1770-1783	5.6	8
104	A Multidimensional Functional Trait Approach Reveals the Imprint of Environmental Stress in Mediterranean Woody Communities. <i>Ecosystems</i> , <b>2018</b> , 21, 248-262	3.9	26
103	Multi-scale and antagonist selection on life-history traits in parasitoids: A community ecology perspective. <i>Functional Ecology</i> , <b>2018</b> , 32, 736-751	5.6	3
102	An a posteriori species clustering for quantifying the effects of species interactions on ecosystem functioning. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 704-715	7.7	8
101	ecolottery: Simulating and assessing community assembly with environmental filtering and neutral dynamics in R. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 693-703	7.7	22
100	The bien r package: A tool to access the Botanical Information and Ecology Network (BIEN) database. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 373-379	7.7	131
99	Late Quaternary climate legacies in contemporary plant functional composition. <i>Global Change Biology</i> , <b>2018</b> , 24, 4827-4840	11.4	29
98	Intraspecific body size variability in soil organisms at a European scale: Implications for functional biogeography. <i>Functional Ecology</i> , <b>2018</b> , 32, 2562-2570	5.6	6
97	A combinatorial analysis using observational data identifies species that govern ecosystem functioning. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201135	3.7	3
96	Isoprene emission structures tropical tree biogeography and community assembly responses to climate. <i>New Phytologist</i> , <b>2018</b> , 220, 435-446	9.8	17
95	What makes trait-abundance relationships when both environmental filtering and stochastic neutral dynamics are at play?. <i>Oikos</i> , <b>2018</b> , 127, 1735-1745	4	12
94	Plant demographic and functional responses to management intensification: A long-term study in a Mediterranean rangeland. <i>Journal of Ecology</i> , <b>2018</b> , 106, 1363-1376	6	13
93	Crop mixtures: does niche complementarity hold for belowground resources? An experimental test using rice genotypic pairs. <i>Plant and Soil</i> , <b>2018</b> , 424, 187-202	4.2	16
92	Land-use change effects on the taxonomic and morphological trait composition of ant communities in French Guiana. <i>Insect Conservation and Diversity</i> , <b>2018</b> , 11, 162-173	3.8	8
91	New approaches for delineating n-dimensional hypervolumes. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 305-319	7.7	102
90	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1906-1917	19.17	209

89	Interactions between Soil and Vegetation: Structure of Plant Communities and Soil Functioning <b>2018</b> , 83-104		2
88	Plant Functional Diversity and the Biogeography of Biomes in North and South America. <i>Frontiers in Ecology and Evolution</i> , <b>2018</b> , 6,	3.7	22
87	Climate as a driver of adaptive variations in ecological strategies in <i>Arabidopsis thaliana</i> . <i>Annals of Botany</i> , <b>2018</b> , 122, 935-945	4.1	16
86	Phylogenetic patterns and phenotypic profiles of the species of plants and mammals farmed for food. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1808-1817	12.3	33
85	Similarities and differences in intrapopulation trait correlations of co-occurring tree species: consistent water-use relationships amid widely different correlation patterns. <i>American Journal of Botany</i> , <b>2018</b> , 105, 1477-1490	2.7	15
84	Functional traits modulate the response of alien plants along abiotic and biotic gradients. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1173-1185	6.1	15
83	Functional rarity of coral reef fishes at the global scale: Hotspots and challenges for conservation. <i>Biological Conservation</i> , <b>2018</b> , 226, 288-299	6.2	21
82	Embolism and mechanical resistances play a key role in dehydration tolerance of a perennial grass <i>Dactylis glomerata</i> L. <i>Annals of Botany</i> , <b>2018</b> , 122, 325-336	4.1	16
81	Allocation, morphology, physiology, architecture: the multiple facets of plant above- and below-ground responses to resource stress. <i>New Phytologist</i> , <b>2018</b> , 219, 1338-1352	9.8	81
80	Effectiveness of ecological rescue for altered soil microbial communities and functions. <i>ISME Journal</i> , <b>2017</b> , 11, 272-283	11.9	86
79	Five species, many genotypes, broad phenotypic diversity: When agronomy meets functional ecology. <i>American Journal of Botany</i> , <b>2017</b> , 104, 62-71	2.7	6
78	Predicting trait-environment relationships for venation networks along an Andes-Amazon elevation gradient. <i>Ecology</i> , <b>2017</b> , 98, 1239-1255	4.6	20
77	A global Fine-Root Ecology Database to address below-ground challenges in plant ecology. <i>New Phytologist</i> , <b>2017</b> , 215, 15-26	9.8	168
76	Interspecific integration of trait dimensions at local scales: the plant phenotype as an integrated network. <i>Journal of Ecology</i> , <b>2017</b> , 105, 1775-1790	6	73
75	Climate, soil and plant functional types as drivers of global fine-root trait variation. <i>Journal of Ecology</i> , <b>2017</b> , 105, 1182-1196	6	155
74	Less favourable climates constrain demographic strategies in plants. <i>Ecology Letters</i> , <b>2017</b> , 20, 969-980	10	53
73	Functional Rarity: The Ecology of Outliers. <i>Trends in Ecology and Evolution</i> , <b>2017</b> , 32, 356-367	10.9	145
72	The evolution of bacterial cell size: the internal diffusion-constraint hypothesis. <i>ISME Journal</i> , <b>2017</b> , 11, 1559-1568	11.9	16

71	Sensitivity of community-level trait-environment relationships to data representativeness: A test for functional biogeography. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 729-739	6.1	25
70	A Common Toolbox to Understand, Monitor or Manage Rarity? A Response to Carmona et al. <i>Trends in Ecology and Evolution</i> , <b>2017</b> , 32, 891-893	10.9	4
69	Plant community structure and nitrogen inputs modulate the climate signal on leaf traits. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 1138-1152	6.1	25
68	funrar: An R package to characterize functional rarity. <i>Diversity and Distributions</i> , <b>2017</b> , 23, 1365-1371	5	46
67	Using n-dimensional hypervolumes for species distribution modelling: A response to Qiao et al. (). <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 1071-1075	6.1	12
66	Towards a thesaurus of plant characteristics: an ecological contribution. <i>Journal of Ecology</i> , <b>2017</b> , 105, 298-309	6	75
65	Biogeochemical and Ecomorphological Niche Segregation of Mediterranean Woody Species along a Local Gradient. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1242	6.2	19
64	The Evolutionary Legacy of Diversification Predicts Ecosystem Function. <i>American Naturalist</i> , <b>2016</b> , 188, 398-410	3.7	8
63	A network approach for inferring species associations from co-occurrence data. <i>Ecography</i> , <b>2016</b> , 39, 1139-1150	6.5	66
62	Occupancy and overlap in trait space along a successional gradient in Mediterranean old fields. <i>American Journal of Botany</i> , <b>2016</b> , 103, 1050-60	2.7	18
61	CSR ecological strategies and plant mating systems: outcrossing increases with competitiveness but stress-tolerance is related to mixed mating. <i>Oikos</i> , <b>2016</b> , 125, 1296-1303	4	26
60	Decreases in average bacterial community rRNA operon copy number during succession. <i>ISME Journal</i> , <b>2016</b> , 10, 1147-56	11.9	94
59	Recasting the dynamic equilibrium model through a functional lens: the interplay of trait-based community assembly and climate. <i>Journal of Ecology</i> , <b>2016</b> , 104, 781-791	6	14
58	Community variation in plant traits along copper and cobalt gradients. <i>Journal of Vegetation Science</i> , <b>2016</b> , 27, 854-864	3.1	15
57	Patterns and drivers of plant functional group dominance across the Western Hemisphere: a macroecological re-assessment based on a massive botanical dataset. <i>Botanical Journal of the Linnean Society</i> , <b>2016</b> , 180, 141-160	2.2	50
56	What it takes to invade grassland ecosystems: traits, introduction history and filtering processes. <i>Ecology Letters</i> , <b>2016</b> , 19, 219-29	10	69
55	Re-growing a tropical dry forest: functional plant trait composition and community assembly during succession. <i>Functional Ecology</i> , <b>2016</b> , 30, 1006-1013	5.6	52
54	Towards parsimonious ecophysiological models that bridge ecology and agronomy. <i>New Phytologist</i> , <b>2016</b> , 210, 380-2	9.8	7

53	Plant-O-Matic: a dynamic and mobile guide to all plants of the Americas. <i>Methods in Ecology and Evolution</i> , <b>2016</b> , 7, 960-965	7.7	17
52	cati: an R package using functional traits to detect and quantify multi-level community assembly processes. <i>Ecography</i> , <b>2016</b> , 39, 699-708	6.5	41
51	Megafauna extinction, tree species range reduction, and carbon storage in Amazonian forests. <i>Ecography</i> , <b>2016</b> , 39, 194-203	6.5	64
50	Plant domestication through an ecological lens. <i>Trends in Ecology and Evolution</i> , <b>2015</b> , 30, 463-9	10.9	127
49	Vegetation ecology meets ecosystem science: Permanent grasslands as a functional biogeography case study. <i>Science of the Total Environment</i> , <b>2015</b> , 534, 43-51	10.2	30
48	Linking environmental filtering and disequilibrium to biogeography with a community climate framework. <i>Ecology</i> , <b>2015</b> , 96, 972-85	4.6	50
47	Scaling from Traits to Ecosystems. <i>Advances in Ecological Research</i> , <b>2015</b> , 249-318	4.6	183
46	Testing models for the leaf economics spectrum with leaf and whole-plant traits in <i>Arabidopsis thaliana</i> . <i>AoB PLANTS</i> , <b>2015</b> , 7,	2.9	35
45	Diversity in Plant Breeding: A New Conceptual Framework. <i>Trends in Plant Science</i> , <b>2015</b> , 20, 604-613	13.1	88
44	Shifts in trait means and variances in North American tree assemblages: species richness patterns are loosely related to the functional space. <i>Ecography</i> , <b>2015</b> , 38, 649-658	6.5	75
43	A global meta-analysis of the relative extent of intraspecific trait variation in plant communities. <i>Ecology Letters</i> , <b>2015</b> , 18, 1406-19	10	485
42	Limited sampling hampers "big data" estimation of species richness in a tropical biodiversity hotspot. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 807-20	2.8	67
41	Trait databases: misuses and precautions. <i>Journal of Vegetation Science</i> , <b>2015</b> , 26, 826-827	3.1	13
40	Complementary effects of species and genetic diversity on productivity and stability of sown grasslands. <i>Nature Plants</i> , <b>2015</b> , 1, 15033	11.5	95
39	Inclusion of vein traits improves predictive power for the leaf economic spectrum: a response to Sack et al. (2013). <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 5109-14	7	17
38	Intraspecific trait variability mediates the response of subalpine grassland communities to extreme drought events. <i>Journal of Ecology</i> , <b>2014</b> , 102, 45-53	6	167
37	Are trait-based species rankings consistent across data sets and spatial scales?. <i>Journal of Vegetation Science</i> , <b>2014</b> , 25, 235-247	3.1	104
36	When, where and how does microbial community composition matter?. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 497	5.7	33



35	Functional trait space and the latitudinal diversity gradient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13745-50	11.5	220
34	The n-dimensional hypervolume. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 595-609	6.1	339
33	The emergence and promise of functional biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13690-6	11.5	391
32	Intra-specific and inter-specific variation in specific leaf area reveal the importance of abiotic and biotic drivers of species diversity across elevation and latitude. <i>Journal of Vegetation Science</i> , <b>2013</b> , 24, 921-931	3.1	103
31	Assessing the causes and scales of the leaf economics spectrum using venation networks in <i>Populus tremuloides</i> . <i>Journal of Ecology</i> , <b>2013</b> , 101, 981-989	6	56
30	Habitat area and climate stability determine geographical variation in plant species range sizes. <i>Ecology Letters</i> , <b>2013</b> , 16, 1446-54	10	93
29	Mechanisms of ecological succession: insights from plant functional strategies. <i>Oikos</i> , <b>2012</b> , 121, 1761-1770	11.5	87
28	A common genetic basis to the origin of the leaf economics spectrum and metabolic scaling allometry. <i>Ecology Letters</i> , <b>2012</b> , 15, 1149-57	10	91
27	The return of the variance: intraspecific variability in community ecology. <i>Trends in Ecology and Evolution</i> , <b>2012</b> , 27, 244-52	10.9	926
26	Viva la variance! A reply to Nakagawa & Schielzeth. <i>Trends in Ecology and Evolution</i> , <b>2012</b> , 27, 475-476	10.9	5
25	Community assembly along a soil depth gradient: contrasting patterns of plant trait convergence and divergence in a Mediterranean rangeland. <i>Journal of Ecology</i> , <b>2012</b> , 100, 1422-1433	6	238
24	When and how should intraspecific variability be considered in trait-based plant ecology?. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2011</b> , 13, 217-225	3	351
23	Venation networks and the origin of the leaf economics spectrum. <i>Ecology Letters</i> , <b>2011</b> , 14, 91-100	10	156
22	Phylogenetic limiting similarity and competitive exclusion. <i>Ecology Letters</i> , <b>2011</b> , 14, 782-7	10	293
21	Plant functional traits capture species richness variations along a flooding gradient. <i>Oikos</i> , <b>2011</b> , 120, 389-398	4	54
20	Intraspecific variability and trait-based community assembly. <i>Journal of Ecology</i> , <b>2010</b> , 98, 1134-1140	6	383
19	Experimental demonstration of the importance of competition under disturbance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 12925-9	11.5	93
18	Litter quality and decomposability of species from a Mediterranean succession depend on leaf traits but not on nitrogen supply. <i>Annals of Botany</i> , <b>2009</b> , 104, 1151-61	4.1	68

17	Differential impacts of plant interactions on herbaceous species recruitment: disentangling factors controlling emergence, survival and growth of seedlings. <i>Oecologia</i> , <b>2009</b> , 159, 817-25	2.9	23
16	Competition, traits and resource depletion in plant communities. <i>Oecologia</i> , <b>2009</b> , 160, 747-55	2.9	130
15	Intraspecific seed trait variations and competition: passive or adaptive response?. <i>Functional Ecology</i> , <b>2009</b> , 23, 612-620	5.6	49
14	Allocation strategies and seed traits are hardly affected by nitrogen supply in 18 species differing in successional status. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2009</b> , 11, 267-283	3	19
13	Let the concept of trait be functional!. <i>Oikos</i> , <b>2007</b> , 116, 882-892	4	2260
12	How relevant are instantaneous measurements for assessing resource depletion under plant cover? A test on light and soil water availability in 18 herbaceous communities. <i>Functional Ecology</i> , <b>2007</b> , 21, 185-190	5.6	16
11	Relating root structure and anatomy to whole-plant functioning in 14 herbaceous Mediterranean species. <i>New Phytologist</i> , <b>2007</b> , 173, 313-21	9.8	74
10	Effects of litter and standing biomass on growth and reproduction of two annual species in a Mediterranean old-field. <i>Journal of Ecology</i> , <b>2006</b> , 94, 196-205	6	39
9	Adaptive diversification of growth allometry in the plant <i>Arabidopsis thaliana</i>		1
8	Leaf economics guides slow-fast adaptation across the geographic range of <i>A. thaliana</i>		1
7	Transcriptional natural variation at FLM induces synergistic pleiotropy in <i>Arabidopsis thaliana</i>		1
6	Areas of global importance for terrestrial biodiversity, carbon, and water		11
5	Half of the world's tree biodiversity is unprotected and is increasingly threatened by human activities		3
4	Climate as a driver of adaptive variations in ecological strategies in <i>Arabidopsis thaliana</i>		1
3	Interspecific interactions regulate plant reproductive allometry in cereal-legume intercropping systems		1
2	Interspecific interactions regulate plant reproductive allometry in cereal-legume intercropping systems. <i>Journal of Applied Ecology</i> ,	5.8	1
1	A review of the heterogeneous landscape of biodiversity databases: Opportunities and challenges for a synthesized biodiversity knowledge base. <i>Global Ecology and Biogeography</i> ,	6.1	0