

Olivier Honnay

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264
papers

10,640
citations

56
h-index

92
g-index

281
ext. papers

12,599
ext. citations

4.9
avg, IF

6.43
L-index

#	Paper	IF	Citations
264	An ecological comparison between ancient and other forest plant species of Europe, and the implications for forest conservation. <i>Biological Conservation</i> , 1999 , 91, 9-22	6.2	486
263	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
262	Susceptibility of common and rare plant species to the genetic consequences of habitat fragmentation. <i>Conservation Biology</i> , 2007 , 21, 823-31	6	313
261	Response of forest plant species to land-use change: a life-history trait-based approach. <i>Journal of Ecology</i> , 2003 , 91, 563-577	6	256
260	Can the seed bank be used for ecological restoration? An overview of seed bank characteristics in European communities. <i>Journal of Vegetation Science</i> , 2008 , 19, 875-884	3.1	250
259	Homogenization of forest plant communities and weakening of species-environment relationships via agricultural land use. <i>Journal of Ecology</i> , 2007 , 95, 565-573	6	244
258	Forest fragmentation effects on patch occupancy and population viability of herbaceous plant species. <i>New Phytologist</i> , 2005 , 166, 723-36	9.8	230
257	Prolonged clonal growth: escape route or route to extinction?. <i>Oikos</i> , 2005 , 108, 427-432	4	224
256	Effects of area, age and diversity of forest patches in Belgium on plant species richness, and implications for conservation and reforestation. <i>Biological Conservation</i> , 1999 , 87, 73-84	6.2	213
255	Possible effects of habitat fragmentation and climate change on the range of forest plant species. <i>Ecology Letters</i> , 2002 , 5, 525-530	10	212
254	Forest restoration, biodiversity and ecosystem functioning. <i>BMC Ecology</i> , 2011 , 11, 29	2.7	179
253	Meta-analysis of susceptibility of woody plants to loss of genetic diversity through habitat fragmentation. <i>Conservation Biology</i> , 2012 , 26, 228-37	6	172
252	A global meta-analysis of the biodiversity and ecosystem service benefits of coffee and cacao agroforestry. <i>Agriculture, Ecosystems and Environment</i> , 2013 , 175, 1-7	5.7	162
251	Biodiversity and human health: mechanisms and evidence of the positive health effects of diversity in nature and green spaces. <i>British Medical Bulletin</i> , 2018 , 127, 5-22	5.4	154
250	Impact of habitat quality on forest plant species colonization. <i>Forest Ecology and Management</i> , 1999 , 115, 157-170	3.9	154
249	Permeability of ancient forest edges for weedy plant species invasion. <i>Forest Ecology and Management</i> , 2002 , 161, 109-122	3.9	150
248	No evidence of a plant extinction debt in highly fragmented calcareous grasslands in Belgium. <i>Biological Conservation</i> , 2006 , 133, 212-224	6.2	138

247	Satellite based land use and landscape complexity indices as predictors for regional plant species diversity. <i>Landscape and Urban Planning</i> , 2003 , 63, 241-250	7.7	131
246	A spatially explicit analysis of seedling recruitment in the terrestrial orchid <i>Orchis purpurea</i> . <i>New Phytologist</i> , 2007 , 176, 448-459	9.8	116
245	Ecological perspectives for the restoration of plant communities in European temperate forests. <i>Biodiversity and Conservation</i> , 2002 , 11, 213-242	3.4	116
244	Evolutionary changes in plant reproductive traits following habitat fragmentation and their consequences for population fitness. <i>Journal of Ecology</i> , 2012 , 100, 76-87	6	109
243	Can a seed bank maintain the genetic variation in the above ground plant population?. <i>Oikos</i> , 2008 , 117, 1-5	4	107
242	The role of patch area and habitat diversity in explaining native plant species richness in disturbed suburban forest patches in northern Belgium. <i>Diversity and Distributions</i> , 1999 , 5, 129-141	5	107
241	A model quantifying global vegetation resistance and resilience to short-term climate anomalies and their relationship with vegetation cover. <i>Global Ecology and Biogeography</i> , 2015 , 24, 539-548	6.1	104
240	Analysis of network architecture reveals phylogenetic constraints on mycorrhizal specificity in the genus <i>Orchis</i> (Orchidaceae). <i>New Phytologist</i> , 2011 , 192, 518-28	9.8	100
239	Nested Plant Communities in Deciduous Forest Fragments: Species Relaxation or Nested Habitats?. <i>Oikos</i> , 1999 , 84, 119	4	94
238	A meta-analysis of the relation between mating system, growth form and genotypic diversity in clonal plant species. <i>Evolutionary Ecology</i> , 2008 , 22, 299-312	1.8	92
237	Landscape genomics and a common garden trial reveal adaptive differentiation to temperature across Europe in the tree species <i>Alnus glutinosa</i> . <i>Molecular Ecology</i> , 2014 , 23, 4709-21	5.7	89
236	Symbiotic diversity, specificity and distribution of rhizobia in native legumes of the Core Cape Subregion (South Africa). <i>FEMS Microbiology Ecology</i> , 2015 , 91, 1-17	4.3	86
235	Rapid genetic adaptation precedes the spread of an exotic plant species. <i>Molecular Ecology</i> , 2014 , 23, 2157-64	5.7	85
234	The species pool concept applied to forests in a fragmented landscape: dispersal limitation versus habitat limitation. <i>Journal of Vegetation Science</i> , 2002 , 13, 27-34	3.1	83
233	Low specificity and nested subset structure characterize mycorrhizal associations in five closely related species of the genus <i>Orchis</i> . <i>Molecular Ecology</i> , 2010 , 19, 4086-95	5.7	82
232	Semi-forest coffee cultivation and the conservation of Ethiopian Afromontane rainforest fragments. <i>Forest Ecology and Management</i> , 2011 , 261, 1034-1041	3.9	81
231	The role of fragment area and isolation in the conservation of heathland species. <i>Biological Conservation</i> , 2005 , 122, 61-69	6.2	79
230	Low impact of present and historical landscape configuration on the genetics of fragmented <i>Anthyllis vulneraria</i> populations. <i>Biological Conservation</i> , 2006 , 127, 411-419	6.2	79

229	Plant species richness and composition of heathland relics in north-western Belgium: evidence for a rescue-effect?. <i>Journal of Biogeography</i> , 2004 , 31, 1683-1692	4.1	79
228	Evaluation of six primer pairs targeting the nuclear rRNA operon for characterization of arbuscular mycorrhizal fungal (AMF) communities using 454 pyrosequencing. <i>Journal of Microbiological Methods</i> , 2014 , 106, 93-100	2.8	77
227	Genetic structure of the forest herb <i>Primula elatior</i> in a changing landscape. <i>Molecular Ecology</i> , 2004 , 13, 211-9	5.7	77
226	Soil phosphorus constrains biodiversity across European grasslands. <i>Global Change Biology</i> , 2014 , 20, 3814-22	11.4	74
225	Plant species loss from European semi-natural grasslands following nutrient enrichment \square is it nitrogen or is it phosphorus?. <i>Global Ecology and Biogeography</i> , 2013 , 22, 73-82	6.1	74
224	Evaluating change in agricultural landscape pattern between 1980 and 2000 in the Loess hilly region of Ansai County, China. <i>Agriculture, Ecosystems and Environment</i> , 2006 , 114, 387-396	5.7	73
223	Conservation of the Ethiopian church forests: Threats, opportunities and implications for their management. <i>Science of the Total Environment</i> , 2016 , 551-552, 404-14	10.2	71
222	Management effects on the vegetation and soil seed bank of calcareous grasslands: An 11-year experiment. <i>Biological Conservation</i> , 2011 , 144, 416-422	6.2	71
221	The relative importance of local, regional and historical factors determining the distribution of plants in fragmented riverine forests: an emergent group approach. <i>Journal of Biogeography</i> , 2005 , 32, 2069-2081	4.1	71
220	Species diversity and area-relationships in Danish beech forests. <i>Forest Ecology and Management</i> , 1998 , 106, 235-245	3.9	69
219	Genetic variation and risks of introgression in the wild <i>Coffea arabica</i> gene pool in south-western Ethiopian montane rainforests. <i>Evolutionary Applications</i> , 2013 , 6, 243-52	4.8	66
218	PLANT COMMUNITY ASSEMBLY ALONG DENDRITIC NETWORKS OF SMALL FOREST STREAMS. <i>Ecology</i> , 2001 , 82, 1691-1702	4.6	63
217	Traits related to species persistence and dispersal explain changes in plant communities subjected to habitat loss. <i>Diversity and Distributions</i> , 2012 , 18, 898-908	5	61
216	Changing soil characteristics alter the arbuscular mycorrhizal fungi communities of Arabica coffee (<i>Coffea arabica</i>) in Ethiopia across a management intensity gradient. <i>Soil Biology and Biochemistry</i> , 2015 , 91, 133-139	7.5	59
215	Decrease in diversity and changes in community composition of arbuscular mycorrhizal fungi in roots of apple trees with increasing orchard management intensity across a regional scale. <i>Molecular Ecology</i> , 2015 , 24, 941-52	5.7	58
214	Effects of coffee management intensity on composition, structure, and regeneration status of ethiopian moist evergreen afro-montane forests. <i>Environmental Management</i> , 2013 , 51, 801-9	3.1	58
213	Fine-scale genetic structure of life history stages in the food-deceptive orchid <i>Orchis purpurea</i> . <i>Molecular Ecology</i> , 2006 , 15, 2801-8	5.7	58
212	How to measure ecosystem stability? An evaluation of the reliability of stability metrics based on remote sensing time series across the major global ecosystems. <i>Global Change Biology</i> , 2014 , 20, 2149-61	11.4	57

211	Trait but not species convergence during plant community assembly in restored semi-natural grasslands. <i>Oikos</i> , 2012 , 121, 2121-2130	4	57
210	A trait-based analysis of the role of phosphorus vs. nitrogen enrichment in plant species loss across North-west European grasslands. <i>Journal of Applied Ecology</i> , 2011 , 48, 1155-1163	5.8	56
209	Synergistic effects of an extreme weather event and habitat fragmentation on a specialised insect herbivore. <i>Oecologia</i> , 2009 , 159, 117-26	2.9	56
208	Two decades of change in the ground vegetation of a mixed deciduous forest in an agricultural landscape. <i>Journal of Vegetation Science</i> , 2000 , 11, 695-704	3.1	56
207	Patterns of population genetic diversity in riparian and aquatic plant species along rivers. <i>Journal of Biogeography</i> , 2010 , 37, 1730-1739	4.1	54
206	Local forest environment largely affects below-ground growth, clonal diversity and fine-scale spatial genetic structure in the temperate deciduous forest herb <i>Paris quadrifolia</i> . <i>Molecular Ecology</i> , 2005 , 14, 4479-88	5.7	53
205	Seed bank composition of open and overgrown calcareous grassland soils--a case study from Southern Belgium. <i>Journal of Environmental Management</i> , 2006 , 79, 364-71	7.9	49
204	Genetic diversity within and between remnant populations of the endangered calcareous grassland plant <i>Globularia bisnagarica</i> L.. <i>Conservation Genetics</i> , 2007 , 8, 293-303	2.6	48
203	Fitness variation and genetic diversity in small, remnant populations of the food deceptive orchid <i>Orchis purpurea</i> . <i>Biological Conservation</i> , 2007 , 139, 203-210	6.2	48
202	Canopy closure shapes clonal diversity and fine-scale genetic structure in the dioecious understorey perennial <i>Mercurialis perennis</i> . <i>Journal of Ecology</i> , 2009 , 97, 404-414	6	47
201	Consequences of prolonged clonal growth on local and regional genetic structure and fruiting success of the forest perennial <i>Maianthemum bifolium</i> . <i>Oikos</i> , 2006 , 112, 21-30	4	47
200	Mapping an invasive bryophyte species using hyperspectral remote sensing data. <i>Biological Invasions</i> , 2017 , 19, 239-254	2.7	46
199	Demographic effects of extreme weather events on a short-lived calcareous grassland species: stochastic life table response experiments. <i>Journal of Ecology</i> , 2010 , 98, 255-267	6	45
198	Sexual reproduction, clonal diversity and genetic differentiation in patchily distributed populations of the temperate forest herb <i>Paris quadrifolia</i> (Trilliaceae). <i>Oecologia</i> , 2006 , 147, 434-44	2.9	45
197	Evaluation of the ecological restoration potential of plant communities in Norway spruce plantations using a life-trait based approach. <i>Journal of Applied Ecology</i> , 2005 , 42, 536-545	5.8	45
196	Evidence for community assembly constraints during succession in dune slack plant communities. <i>Plant Ecology</i> , 2005 , 178, 201-209	1.7	45
195	Invasion by the Alien Tree Alters Ecosystem Functions in a Temperate Deciduous Forest. <i>Frontiers in Plant Science</i> , 2017 , 8, 179	6.2	44
194	Mycorrhizal associations and reproductive isolation in three closely related <i>Orchis</i> species. <i>Annals of Botany</i> , 2011 , 107, 347-56	4.1	44

193	Among-population variation in microbial community structure in the floral nectar of the bee-pollinated forest herb <i>Pulmonaria officinalis</i> L. <i>PLoS ONE</i> , 2013 , 8, e56917	3.7	43
192	Multigenerational analysis of spatial structure in the terrestrial, food-deceptive orchid <i>Orchis mascula</i> . <i>Journal of Ecology</i> , 2009 , 97, 206-216	6	43
191	Spatiotemporal structure of genetic variation of a spreading plant metapopulation on dynamic riverbanks along the Meuse River. <i>Heredity</i> , 2006 , 96, 471-8	3.6	43
190	Abiotic rather than biotic filtering shapes the arbuscular mycorrhizal fungal communities of European seminatural grasslands. <i>New Phytologist</i> , 2018 , 220, 1262-1272	9.8	43
189	Spatial isolation slows down directional plant functional group assembly in restored semi-natural grasslands. <i>Journal of Applied Ecology</i> , 2013 , 50, 404-413	5.8	42
188	Polylepis woodland remnants as biodiversity islands in the Bolivian high Andes. <i>Biodiversity and Conservation</i> , 2010 , 19, 3327-3346	3.4	41
187	An island biogeographical view of the successional pathway in wet dune slacks. <i>Journal of Vegetation Science</i> , 2003 , 14, 781-788	3.1	41
186	Phosphorus resource partitioning shapes phosphorus acquisition and plant species abundance in grasslands. <i>Nature Plants</i> , 2017 , 3, 16224	11.5	40
185	Biogeographical Patterns of Legume-Nodulating <i>Burkholderia</i> spp.: from African Fynbos to Continental Scales. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5099-115	4.8	39
184	Both forest fragmentation and coffee cultivation negatively affect epiphytic orchid diversity in Ethiopian moist evergreen Afromontane Forests. <i>Biological Conservation</i> , 2013 , 159, 285-291	6.2	39
183	Landscape genetics of the self-compatible forest herb <i>Geum urbanum</i> : effects of habitat age, fragmentation and local environment. <i>Molecular Ecology</i> , 2007 , 16, 4171-9	5.7	39
182	Interactions between plant life span, seed dispersal capacity and fecundity determine metapopulation viability in a dynamic landscape. <i>Landscape Ecology</i> , 2006 , 21, 1195-1205	4.3	39
181	The functional characterization of grass- and shrubland ecosystems using hyperspectral remote sensing: trends, accuracy and moderating variables. <i>Remote Sensing of Environment</i> , 2018 , 209, 747-763	13.2	38
180	A unified framework to model the potential and realized distributions of invasive species within the invaded range. <i>Diversity and Distributions</i> , 2017 , 23, 806-819	5	37
179	Permanent genetic resources added to Molecular Ecology Resources Database 1 December 2010-31 January 2011. <i>Molecular Ecology Resources</i> , 2011 , 11, 586-9	8.4	37
178	Effects of population size and forest management on genetic diversity and structure of the tuberous orchid <i>Orchis mascula</i> . <i>Conservation Genetics</i> , 2009 , 10, 161-168	2.6	37
177	Herbaceous plant community structure of ancient and recent forests in two contrasting forest types. <i>Basic and Applied Ecology</i> , 2003 , 4, 537-546	3.2	37
176	Rapid loss of genetic variation in a founding population of <i>Primula elatior</i> (Primulaceae) after colonization. <i>Annals of Botany</i> , 2009 , 103, 777-83	4.1	36

175	Landscape scale variation in nectar amino acid and sugar composition in a Lepidoptera pollinated orchid species and its relation with fruit set. <i>Journal of Ecology</i> , 2014 , 102, 136-144	6	35
174	Nonrandom spatial structuring of orchids in a hybrid zone of three <i>Orchis</i> species. <i>New Phytologist</i> , 2012 , 193, 454-64	9.8	35
173	Effects of adding an arbuscular mycorrhizal fungi inoculum and of distance to donor sites on plant species recolonization following topsoil removal. <i>Applied Vegetation Science</i> , 2016 , 19, 7-19	3.3	35
172	Sunken roads as habitats for forest plant species in a dynamic agricultural landscape: effects of age and isolation. <i>Journal of Biogeography</i> , 2004 , 32, 99-109	4.1	34
171	Evaluating management interventions in small populations of a perennial herb <i>Primula vulgaris</i> using spatio-temporal analyses of point patterns. <i>Journal of Applied Ecology</i> , 2010 , 47, 431-440	5.8	33
170	Biodiversity and carbon storage co-benefits of coffee agroforestry across a gradient of increasing management intensity in the SW Ethiopian highlands. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 222, 193-199	5.7	32
169	Application of slow-release phosphorus fertilizers increases arbuscular mycorrhizal fungal diversity in the roots of apple trees. <i>Plant and Soil</i> , 2016 , 402, 291-301	4.2	31
168	DNA pyrosequencing evidence for large diversity differences between natural and managed coffee mycorrhizal fungal communities. <i>Agronomy for Sustainable Development</i> , 2015 , 35, 241-249	6.8	30
167	From extensive clone libraries to comprehensive DNA arrays for the efficient and simultaneous detection and identification of orchid mycorrhizal fungi. <i>Journal of Microbiological Methods</i> , 2010 , 80, 76-85	2.8	30
166	Temporal and spatial genetic variation in a metapopulation of the annual <i>Erysimum cheiranthoides</i> on stony river banks. <i>Journal of Ecology</i> , 2009 , 97, 131-141	6	30
165	Patterns of sex ratio variation and genetic diversity in the dioecious forest perennial <i>Mercurialis perennis</i> . <i>Plant Ecology</i> , 2010 , 206, 105-114	1.7	30
164	Population structure of root nodulating <i>Rhizobium leguminosarum</i> in <i>Vicia cracca</i> populations at local to regional geographic scales. <i>Systematic and Applied Microbiology</i> , 2014 , 37, 613-21	4.2	29
163	A meta-analysis of the effects of plant traits and geographical scale on the magnitude of adaptive differentiation as measured by the difference between QST and FST. <i>Evolutionary Ecology</i> , 2013 , 27, 1081-1097	1.8	29
162	Life history, climate and biogeography interactively affect worldwide genetic diversity of plant and animal populations. <i>Nature Communications</i> , 2021 , 12, 516	17.4	28
161	Crop-specific and single-species mycorrhizal inoculation is the best approach to improve crop growth in controlled environments. <i>Agronomy for Sustainable Development</i> , 2016 , 36, 1	6.8	26
160	Characterization of the papilionoid-Burkholderia interaction in the Fynbos biome: The diversity and distribution of beta-rhizobia nodulating <i>Podalyria calyptata</i> (Fabaceae, Podalyrieae). <i>Systematic and Applied Microbiology</i> , 2016 , 39, 41-8	4.2	26
159	Effects of flood events on the genetic structure of riparian populations of the grassland plant <i>Origanum vulgare</i> . <i>Biological Conservation</i> , 2009 , 142, 870-878	6.2	26
158	Evidence for demographic bottlenecks and limited gene flow leading to low genetic diversity in a rare thistle. <i>Conservation Genetics</i> , 2010 , 11, 1979-1987	2.6	26

157	Increasing Soil Nutrient Loads of European Semi-natural Grasslands Strongly Alter Plant Functional Diversity Independently of Species Loss. <i>Ecosystems</i> , 2014 , 17, 169-181	3.9	25
156	Range size variation, nestedness and species turnover of orchid species along an altitudinal gradient on Réunion Island: Implications for conservation. <i>Biological Conservation</i> , 2007 , 136, 388-397	6.2	25
155	Assessing the potential of natural woody species regeneration for the conversion of Norway spruce plantations on alluvial soils. <i>Annals of Forest Science</i> , 2004 , 61, 711-719	3.1	25
154	Strong differences in genetic structure across disjunct, edge, and core populations of the distylous forest herb <i>Pulmonaria officinalis</i> (Boraginaceae). <i>American Journal of Botany</i> , 2012 , 99, 1809-18	2.7	24
153	Biological Flora of the British Isles: <i>Gymnadenia conopsea</i> s.l.. <i>Journal of Ecology</i> , 2012 , 100, 1269-1288	6	24
152	Asymmetric gene introgression in two closely related <i>Orchis</i> species: evidence from morphometric and genetic analyses. <i>BMC Evolutionary Biology</i> , 2012 , 12, 178	3	24
151	SNP discovery using Paired-End RAD-tag sequencing on pooled genomic DNA of <i>Sisymbrium austriacum</i> (Brassicaceae). <i>Molecular Ecology Resources</i> , 2013 , 13, 269-75	8.4	24
150	Biased morph ratios and skewed mating success contribute to loss of genetic diversity in the distylous <i>Pulmonaria officinalis</i> . <i>Annals of Botany</i> , 2012 , 109, 227-35	4.1	24
149	Biotic and abiotic edge effects in highly fragmented heathlands adjacent to cropland and forest. <i>Agriculture, Ecosystems and Environment</i> , 2006 , 114, 335-342	5.7	24
148	High soil phosphorus levels overrule the potential benefits of organic farming on arbuscular mycorrhizal diversity in northern vineyards. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 248, 144-152	5.7	23
147	Extremely low genotypic diversity and sexual reproduction in isolated populations of the self-incompatible lily-of-the-valley (<i>Convallaria majalis</i>) and the role of the local forest environment. <i>Annals of Botany</i> , 2010 , 105, 769-76	4.1	23
146	Large population sizes mitigate negative effects of variable weather conditions on fruit set in two spring woodland orchids. <i>Biology Letters</i> , 2009 , 5, 495-8	3.6	23
145	Effects of coppicing on demographic structure, fruit and seed set in <i>Orchis mascula</i> . <i>Basic and Applied Ecology</i> , 2008 , 9, 392-400	3.2	23
144	Vegetation reflectance spectroscopy for biomonitoring of heavy metal pollution in urban soils. <i>Environmental Pollution</i> , 2018 , 243, 1912-1922	9.3	23
143	Experimental fertilization increases amino acid content in floral nectar, fruit set and degree of selfing in the orchid <i>Gymnadenia conopsea</i> . <i>Oecologia</i> , 2015 , 179, 785-95	2.9	22
142	Recombination and horizontal transfer of nodulation and ACC deaminase (acdS) genes within Alpha- and Betaproteobacteria nodulating legumes of the Cape Fynbos biome. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	22
141	Effects of local environmental variables and geographical location on the genetic diversity and composition of <i>Rhizobium leguminosarum</i> nodulating <i>Vicia cracca</i> populations. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 71-79	7.5	22
140	Species-rich semi-natural grasslands have a higher resistance but a lower resilience than intensively managed agricultural grasslands in response to climate anomalies. <i>Journal of Applied Ecology</i> , 2016 , 53, 430-439	5.8	22

139	An evaluation of seed zone delineation using phenotypic and population genomic data on black alder <i>Alnus glutinosa</i> . <i>Journal of Applied Ecology</i> , 2014 , 51, 1218-1227	5.8	22
138	Using life-history traits to achieve a functional classification of habitats. <i>Applied Vegetation Science</i> , 2007 , 10, 73-80	3.3	22
137	Reproductive isolation and hybridization in sympatric populations of three <i>Dactylorhiza</i> species (Orchidaceae) with different ploidy levels. <i>Annals of Botany</i> , 2012 , 109, 709-20	4.1	21
136	A test of priority effect persistence in semi-natural grasslands through the removal of plant functional groups during community assembly. <i>BMC Ecology</i> , 2016 , 16, 22	2.7	20
135	Biological Flora of the British Isles: <i>Orchis mascula</i> (L.) L.. <i>Journal of Ecology</i> , 2009 , 97, 360-377	6	20
134	Rapid Buildup of Genetic Diversity in Founder Populations of the Gynodioecious Plant Species <i>Origanum vulgare</i> after Semi-Natural Grassland Restoration. <i>PLoS ONE</i> , 2013 , 8, e67255	3.7	20
133	Plant Species Diversity Mediates Ecosystem Stability of Natural Dune Grasslands in Response to Drought. <i>Ecosystems</i> , 2015 , 18, 1383-1394	3.9	19
132	Determinants of plant community composition of remnant biancane badlands: a hierarchical approach to quantify species-environment relationships. <i>Applied Vegetation Science</i> , 2011 , 14, 378-387	3.3	19
131	Recolonization after habitat restoration leads to decreased genetic variation in populations of a terrestrial orchid. <i>Molecular Ecology</i> , 2012 , 21, 4206-15	5.7	18
130	Order and disorder in the river continuum: the contribution of continuity and connectivity to floodplain meadow biodiversity. <i>Journal of Biogeography</i> , 2006 , 33, 1615-1627	4.1	18
129	The species pool concept applied to forests in a fragmented landscape: dispersal limitation versus habitat limitation 2002 , 13, 27		18
128	Effects of host species, environmental filtering and forest age on community assembly of ectomycorrhizal fungi in fragmented forests. <i>Fungal Ecology</i> , 2018 , 36, 89-98	4.1	18
127	Microbial diversity in the floral nectar of <i>Linaria vulgaris</i> along an urbanization gradient. <i>BMC Ecology</i> , 2016 , 16, 18	2.7	17
126	Arbuscular mycorrhizal fungi in European grasslands under nutrient pollution. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1796-1805	6.1	17
125	An orchid colonization credit in restored calcareous grasslands. <i>Ecoscience</i> , 2012 , 19, 21-28	1.1	17
124	Nectar traits differ between pollination syndromes in Balsaminaceae. <i>Annals of Botany</i> , 2019 , 124, 269-279		16
123	Population genetic diversity of the clonal self-incompatible herbaceous plant <i>Linaria vulgaris</i> along an urbanization gradient. <i>Biological Journal of the Linnean Society</i> , 2015 , 116, 603-613	1.9	16
122	Crop wild relatives: more common ground for breeders and ecologists. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 121-121	5.5	16

121	Patterns of hybridization between diploid and derived allotetraploid species of <i>Dactylorhiza</i> (Orchidaceae) co-occurring in Belgium. <i>American Journal of Botany</i> , 2011 , 98, 946-55	2.7	16
120	Nutrient enrichment is associated with altered nectar and pollen chemical composition in <i>Succisa pratensis</i> Moench and increased larval mortality of its pollinator <i>Bombus terrestris</i> L. <i>PLoS ONE</i> , 2017 , 12, e0175160	3.7	16
119	Conserving wild Arabica coffee: Emerging threats and opportunities. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 237, 75-79	5.7	15
118	Variation in arbuscular mycorrhizal fungal communities associated with lowland rice (<i>Oryza sativa</i>) along a gradient of soil salinity and arsenic contamination in Bangladesh. <i>Science of the Total Environment</i> , 2019 , 686, 546-554	10.2	15
117	Rapid diversity and structure degradation over time through continued coffee cultivation in remnant Ethiopian Afromontane forests. <i>Biological Conservation</i> , 2019 , 236, 8-16	6.2	15
116	Transmission of genetic variation from the adult generation to naturally established seedling cohorts in small forest stands of pedunculate oak (<i>Quercus robur</i> L.). <i>Forest Ecology and Management</i> , 2014 , 312, 19-27	3.9	15
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112	Effects of agricultural fungicides on microorganisms associated with floral nectar: susceptibility assays and field experiments. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 19776-86	5.1	14
111	Tree density and population size affect pollen flow and mating patterns in small fragmented forest stands of pedunculate oak (<i>Quercus robur</i> L.). <i>Forest Ecology and Management</i> , 2014 , 328, 254-261	3.9	14
110	Conservation of remnant populations of <i>Colchicum autumnale</i> □ The relative importance of local habitat quality and habitat fragmentation. <i>Acta Oecologica</i> , 2009 , 35, 69-82	1.7	14
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104	LiDAR derived forest structure data improves predictions of canopy N and P concentrations from imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2018 , 211, 13-25	13.2	12

103	The impact of spatial isolation and local habitat conditions on colonization of recent forest stands by ectomycorrhizal fungi. <i>Forest Ecology and Management</i> , 2018 , 429, 84-92	3.9	12
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31	PLANT COMMUNITY ASSEMBLY ALONG DENDRITIC NETWORKS OF SMALL FOREST STREAMS 2001 , 82, 1691		3
30	Spatial variability and environmental drivers of cassava-arbuscular mycorrhiza fungi (AMF) associations across Southern Nigeria.. <i>Mycorrhiza</i> , 2022 , 32, 1	3.9	2
29	Using life-history traits to achieve a functional classification of habitats 2007 , 10, 73		2
28	Assessing Evolutionary Potential in Tree Species Through Ecology-Informed Genome Screening 2017 , 313-327		2
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15	Inoculation of pear flowers with <i>Metschnikowia reukaufii</i> and <i>Acinetobacter nectaris</i> enhances attraction of honeybees and hoverflies, but does not increase fruit and seed set. <i>PLoS ONE</i> , 2021 , 16, e0250203	3.7	1
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2	Opportunities and constraints of using understory plants to set forest restoration and conservation priorities 2001 , 227-243		
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