Jrg Brunet

List of Publications by Year in Descending Order

132 papers	5,192 citations	39 h-index	68 g-index
138 ext. papers	6,246 ext. citations	5.3 avg, IF	5.32 L-index

#	Paper	IF	Citations
132	Context matters: the landscape matrix determines the population genetic structure of temperate forest herbs across Europe.. *Landscape Ecology*, **2022**, 37, 1365-1384	4.3	0
131	Forest understorey communities respond strongly to light in interaction with forest structure, but not to microclimate warming. *New Phytologist*, **2022**, 233, 219-235	9.8	2
130	Microclimatic edge-to-interior gradients of European deciduous forests. *Agricultural and Forest Meteorology*, **2021**, 311, 108699	5.8	1
129	Taxonomic, phylogenetic and functional diversity of understorey plants respond differently to environmental conditions in European forest edges. *Journal of Ecology*, **2021**, 109, 2629-2648	6	3
128	Temperature effects on forest understorey plants in hedgerows: a combined warming and transplant experiment. *Annals of Botany*, **2021**, 128, 315-327	4.1	0
127	sPlotOpen – An environmentally balanced, open-access, global dataset of vegetation plots. *Global Ecology and Biogeography*, **2021**, 30, 1740-1764	6.1	6
126	Release of retained oaks in Norway spruce plantations. A 10-year perspective on oak vitality, spruce wood production and ground vegetation. *Forest Ecology and Management*, **2021**, 480, 118670	3.9	1
125	Multiscale drivers of carabid beetle (Coleoptera: Carabidae) assemblages in small European woodlands. *Global Ecology and Biogeography*, **2021**, 30, 165-182	6.1	7
124	Small scale environmental variation modulates plant defence syndromes of understorey plants in deciduous forests of Europe. *Global Ecology and Biogeography*, **2021**, 30, 205-219	6.1	5
123	Drivers of carbon stocks in forest edges across Europe. *Science of the Total Environment*, **2021**, 759, 143497	10.2	11
122	Plant taxonomic and phylogenetic turnover increases toward climatic extremes and depends on historical factors in European beech forests. *Journal of Vegetation Science*, **2021**, 32,	3.1	1
121	Evaluating structural and compositional canopy characteristics to predict the light-demand signature of the forest understorey in mixed, semi-natural temperate forests. *Applied Vegetation Science*, **2021**, 24,	3.3	5
120	Interactions between local and global drivers determine long-term trends in boreal forest understorey vegetation. *Global Ecology and Biogeography*, **2021**, 30, 1765-1780	6.1	2
119	Sensitivity to habitat fragmentation across European landscapes in three temperate forest herbs. *Landscape Ecology*, **2021**, 36, 2831-2848	4.3	1
118	Immigration credit of temperate forest herbs in fragmented landscapes – Implications for restoration of habitat connectivity. *Journal of Applied Ecology*, **2021**, 58, 2195	5.8	1
117	Thermal differences between juveniles and adults increased over time in European forest trees. *Journal of Ecology*, **2021**, 109, 3944	6	0
116	Directional turnover towards larger-ranged plants over time and across habitats. *Ecology Letters*, **2021**,	10	8

115	Forest microclimate dynamics drive plant responses to warming. *Science*, **2020**, 368, 772-775	33.3	162
114	Plant diversity in hedgerows and road verges across Europe. *Journal of Applied Ecology*, **2020**, 57, 1244-1257	5.8	22
113	Earlier onset of flowering and increased reproductive allocation of an annual invasive plant in the north of its novel range. *Annals of Botany*, **2020**, 126, 1005-1016	4.1	1
112	Hedging against biodiversity loss: Forest herbs' performance in hedgerows across temperate Europe. *Journal of Vegetation Science*, **2020**, 31, 817-829	3.1	5
111	Structural variation of forest edges across Europe. *Forest Ecology and Management*, **2020**, 462, 117929	3.9	10
110	Replacements of small- by large-ranged species scale up to diversity loss in Europe's temperate forest biome. *Nature Ecology and Evolution*, **2020**, 4, 802-808	12.3	36
109	Response to Comment on "Forest microclimate dynamics drive plant responses to warming". *Science*, **2020**, 370,	33.3	1
108	Drivers of above-ground understorey biomass and nutrient stocks in temperate deciduous forests. *Journal of Ecology*, **2020**, 108, 982-997	6	13
107	Contrasting microclimates among hedgerows and woodlands across temperate Europe. *Agricultural and Forest Meteorology*, **2020**, 281, 107818	5.8	14
106	Light availability and land-use history drive biodiversity and functional changes in forest herb layer communities. *Journal of Ecology*, **2020**, 108, 1411-1425	6	23
105	Plant functional trait response to environmental drivers across European temperate forest understorey communities. *Plant Biology*, **2020**, 22, 410-424	3.7	13
104	Edge influence on understorey plant communities depends on forest management. *Journal of Vegetation Science*, **2020**, 31, 281-292	3.1	17
103	High ecosystem service delivery potential of small woodlands in agricultural landscapes. *Journal of Applied Ecology*, **2020**, 57, 4-16	5.8	20
102	Response to Comment on "Forest microclimate dynamics drive plant responses to warming". *Science*, **2020**, 370,	33.3	1
101	Keeping pace with forestry: Multi-scale conservation in a changing production forest matrix. *Ambio*, **2020**, 49, 1050-1064	6.5	37
100	Seasonal drivers of understorey temperature buffering in temperate deciduous forests across Europe. *Global Ecology and Biogeography*, **2019**, 28, 1774-1786	6.1	50
99	Plant-soil feedbacks of forest understorey plants transplanted in nonlocal soils along a latitudinal gradient. *Plant Biology*, **2019**, 21, 677-687	3.7	5
98	Interactive effects of past land use and recent forest management on the understorey community in temperate oak forests in South Sweden. *Journal of Vegetation Science*, **2019**, 30, 917-928	3.1	13

97	Forest edges reduce slug (but not snail) activity-density across Western Europe. *Pedobiologia*, **2019**, 75, 34-37	1.7	1
96	Strength of forest edge effects on litter-dwelling macro-arthropods across Europe is influenced by forest age and edge properties. *Diversity and Distributions*, **2019**, 25, 963-974	5	10
95	Plant species identity and soil characteristics determine rhizosphere soil bacteria community composition in European temperate forests. *FEMS Microbiology Ecology*, **2019**, 95,	4.3	8
94	No genetic erosion after five generations for Impatiens glandulifera populations across the invaded range in Europe. *BMC Genetics*, **2019**, 20, 20	2.6	7
93	With Ellenberg indicator values towards the north: Does the indicative power decrease with distance from Central Europe?. *Journal of Biogeography*, **2019**, 46, 1041-1053	4.1	9
92	Local soil characteristics determine the microbial communities under forest understorey plants along a latitudinal gradient. *Basic and Applied Ecology*, **2019**, 36, 34-44	3.2	4
91	Half a century of multiple anthropogenic stressors has altered northern forest understory plant communities. *Ecological Applications*, **2019**, 29, e01874	4.9	26
90	Litter quality, land-use history, and nitrogen deposition effects on topsoil conditions across European temperate deciduous forests. *Forest Ecology and Management*, **2019**, 433, 405-418	3.9	29
89	Environmental drivers interactively affect individual tree growth across temperate European forests. *Global Change Biology*, **2019**, 25, 201-217	11.4	31
88	Context-Dependency of Agricultural Legacies in Temperate Forest Soils. *Ecosystems*, **2019**, 22, 781-795	3.9	16
87	Functional trait variation of forest understorey plant communities across Europe. *Basic and Applied Ecology*, **2019**, 34, 1-14	3.2	19
86	Impact of an invasive alien plant on litter decomposition along a latitudinal gradient. *Ecosphere*, **2018**, 9, e02097	3.1	18
85	Atmospheric nitrogen deposition on petals enhances seed quality of the forest herb Anemone nemorosa. *Plant Biology*, **2018**, 20, 619-626	3.7	5
84	Global environmental change effects on plant community composition trajectories depend upon management legacies. *Global Change Biology*, **2018**, 24, 1722-1740	11.4	65
83	Desiccation resistance determines distribution of woodlice along forest edge-to-interior gradients. *European Journal of Soil Biology*, **2018**, 85, 1-3	2.9	8
82	Linking macrodetritivore distribution to desiccation resistance in small forest fragments embedded in agricultural landscapes in Europe. *Landscape Ecology*, **2018**, 33, 407-421	4.3	15
81	Modelling the distribution and compositional variation of plant communities at the continental scale. *Diversity and Distributions*, **2018**, 24, 978-990	5	26
80	Understanding context dependency in the response of forest understorey plant communities to nitrogen deposition. *Environmental Pollution*, **2018**, 242, 1787-1799	9.3	31

79	Habitat properties are key drivers of Borrelia burgdorferi (s.l.) prevalence in Ixodes ricinus populations of deciduous forest fragments. *Parasites and Vectors*, **2018**, 11, 23	4	25
78	Responses of competitive understorey species to spatial environmental gradients inaccurately explain temporal changes. *Basic and Applied Ecology*, **2018**, 30, 52-64	3.2	7
77	Biological Flora of the British Isles: Milium effusum. *Journal of Ecology*, **2017**, 105, 839-858	6	6
76	Latitudinal variation of life-history traits of an exotic and a native impatiens species in Europe. *Acta Oecologica*, **2017**, 81, 40-47	1.7	3
75	The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution*, **2017**, 7, 145-188	2.8	101
74	Where does the community start, and where does it end? Including the seed bank to reassess forest herb layer responses to the environment. *Journal of Vegetation Science*, **2017**, 28, 424-435	3.1	12
73	Environmental drivers of Ixodes ricinus abundance in forest fragments of rural European landscapes. *BMC Ecology*, **2017**, 17, 31	2.7	24
72	Phosphorus and nitrogen co-limitation of forest ground vegetation under elevated anthropogenic nitrogen deposition. *Oecologia*, **2017**, 185, 317-326	2.9	28
71	Alien plant invasions in European woodlands. *Diversity and Distributions*, **2017**, 23, 969-981	5	64
70	Peatland plant communities under global change: negative feedback loops counteract shifts in species composition. *Ecology*, **2017**, 98, 150-161	4.6	17
69	Combining community resurvey data to advance global change research. *BioScience*, **2016**, 67, 73-83	5.7	66
68	Ecosystem Services from Small Forest Patches in Agricultural Landscapes. *Current Forestry Reports*, **2016**, 2, 30-44	8	44
67	The biodiversity contribution of wood plantations: Contrasting the bird communities of Sweden's protected and production oak forests. *Forest Ecology and Management*, **2016**, 365, 51-60	3.9	17
66	How climate change adaptation and mitigation strategies can threaten or enhance the biodiversity of production forests: Insights from Sweden. *Biological Conservation*, **2016**, 194, 11-20	6.2	75
65	Acido- and neutrophilic temperate forest plants display distinct shifts in ecological pH niche across north-western Europe. *Ecography*, **2016**, 39, 1164-1175	6.5	9
64	Trait variations of ground flora species disentangle the effects of global change and altered land-use in Swedish forests during 20 years. *Global Change Biology*, **2016**, 22, 4038-4047	11.4	45
63	Planting clonal shade-tolerant herbs in young urban woodlands: effects of compost on plant growth, flowering and survival. *Urban Forestry and Urban Greening*, **2016**, 17, 158-165	5.4	4
62	Vegetation classification and biogeography of European floodplain forests and alder carrs. *Applied Vegetation Science*, **2016**, 19, 147-163	3.3	68

61	Disturbance of the herbaceous layer after invasion of an eutrophic temperate forest by wild boar. *Nordic Journal of Botany*, **2016**, 34, 120-128	1.1	15
60	Natural Versus National Boundaries: the Importance of Considering Biogeographical Patterns in Forest Conservation Policy. *Conservation Letters*, **2015**, 8, 50-57	6.9	15
59	Low genetic diversity despite multiple introductions of the invasive plant species Impatiens glandulifera in Europe. *BMC Genetics*, **2015**, 16, 103	2.6	46
58	Patterns of phenotypic trait variation in two temperate forest herbs along a broad climatic gradient. *Plant Ecology*, **2015**, 216, 1523-1536	1.7	21
57	Interacting effects of warming and drought on regeneration and early growth of Acer pseudoplatanus and A. platanoides. *Plant Biology*, **2015**, 17, 52-62	3.7	20
56	The contribution of patch-scale conditions is greater than that of macroclimate in explaining local plant diversity in fragmented forests across Europe. *Global Ecology and Biogeography*, **2015**, 24, 1094-1105	6.1	39
55	Disjunct populations of European vascular plant species keep the same climatic niches. *Global Ecology and Biogeography*, **2015**, 24, 1401-1412	6.1	26
54	Drivers of temporal changes in temperate forest plant diversity vary across spatial scales. *Global Change Biology*, **2015**, 21, 3726-37	11.4	92
53	Divergent regeneration responses of two closely related tree species to direct abiotic and indirect biotic effects of climate change. *Forest Ecology and Management*, **2015**, 342, 21-29	3.9	11
52	Effects of enhanced nitrogen inputs and climate warming on a forest understorey plant assessed by transplant experiments along a latitudinal gradient. *Plant Ecology*, **2014**, 215, 899-910	1.7	14
51	Latitudinal variation in seeds characteristics of Acer platanoides and A. pseudoplatanus. *Plant Ecology*, **2014**, 215, 911-925	1.7	15
50	From broadleaves to spruce the borealization of southern Sweden. *Scandinavian Journal of Forest Research*, **2014**, 29, 686-696	1.7	59
49	Plant movements and climate warming: intraspecific variation in growth responses to nonlocal soils. *New Phytologist*, **2014**, 202, 431-441	9.8	26
48	The PREDICTS database: a global database of how local terrestrial biodiversity responds to human impacts. *Ecology and Evolution*, **2014**, 4, 4701-35	2.8	132
47	Pathogen induced disturbance and succession in temperate forests: Evidence from a 100-year data set in southern Sweden. *Basic and Applied Ecology*, **2014**, 15, 114-121	3.2	17
46	Implications from large-scale spatial diversity patterns of saproxylic beetles for the conservation of European Beech forests. *Insect Conservation and Diversity*, **2013**, 6, 162-169	3.8	43
45	Does background nitrogen deposition affect the response of boreal vegetation to fertilization?. *Oecologia*, **2013**, 173, 615-24	2.9	22
44	Microclimate moderates plant responses to macroclimate warming. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 18561-5	11.5	372

43	Changes in the abundance of keystone forest floor species in response to changes of forest structure. *Journal of Vegetation Science*, **2013**, 24, 296-306	3.1	56
42	Current near-to-nature forest management effects on functional trait composition of saproxylic beetles in beech forests. *Conservation Biology*, **2013**, 27, 605-14	6	145
41	Ecological niche shifts of understorey plants along a latitudinal gradient of temperate forests in north-western Europe. *Global Ecology and Biogeography*, **2013**, 22, 1130-1140	6.1	45
40	Climatic control of forest herb seed banks along a latitudinal gradient. *Global Ecology and Biogeography*, **2013**, 22, 1106-1117	6.1	19
39	Local temperatures inferred from plant communities suggest strong spatial buffering of climate warming across Northern Europe. *Global Change Biology*, **2013**, 19, 1470-81	11.4	152
38	From wooded pasture to timber production Changes in a European beech (Fagus sylvatica) forest landscape between 1840 and 2010. *Scandinavian Journal of Forest Research*, **2012**, 27, 245-254	1.7	20
37	Life-history traits explain rapid colonization of young post-agricultural forests by understory herbs. *Forest Ecology and Management*, **2012**, 278, 55-62	3.9	36
36	Driving factors behind the eutrophication signal in understorey plant communities of deciduous temperate forests. *Journal of Ecology*, **2012**, 100, 352-365	6	174
35	On the use of weather data in ecological studies along altitudinal and latitudinal gradients. *Oikos*, **2012**, 121, 3-19	4	115
34	The response of forest plant regeneration to temperature variation along a latitudinal gradient. *Annals of Botany*, **2012**, 109, 1037-46	4.1	32
33	Understory succession in post-agricultural oak forests: Habitat fragmentation affects forest specialists and generalists differently. *Forest Ecology and Management*, **2011**, 262, 1863-1871	3.9	70
32	A latitudinal gradient in seed nutrients of the forest herb Anemone nemorosa. *Plant Biology*, **2011**, 13, 493-501	3.7	25
31	Temperature effects on forest herbs assessed by warming and transplant experiments along a latitudinal gradient. *Global Change Biology*, **2011**, 17, 3240-3253	11.4	88
30	An intraspecific application of the leaf-height-seed ecology strategy scheme to forest herbs along a latitudinal gradient. *Ecography*, **2011**, 34, 132-140	6.5	33
29	Decreased variation of forest understory vegetation is an effect of fertilisation in young stands of Picea abies. *Scandinavian Journal of Forest Research*, **2011**, 26, 46-55	1.7	11
28	Interregional variation in the floristic recovery of post-agricultural forests. *Journal of Ecology*, **2010**, 99, no-no	6	21
27	Significant effects of temperature on the reproductive output of the forest herb Anemone nemorosa L.. *Forest Ecology and Management*, **2010**, 259, 809-817	3.9	33
26	Compositional changes of forest-floor vegetation in young stands of Norway spruce as an effect of repeated fertilisation. *Forest Ecology and Management*, **2010**, 259, 2418-2425	3.9	30

25	Replacing coniferous monocultures with mixed-species production stands: An assessment of the potential benefits for forest biodiversity in northern Europe. *Forest Ecology and Management*, **2010**, 260, 939-947	3.9	163
24	How long has the "hotspot" been "hot"? Past stand-scale structures at Siggaboda nature reserve in southern Sweden. *Biodiversity and Conservation*, **2010**, 19, 2167-2187	3.4	15
23	Influence of snag characteristics on saproxylic beetle assemblages in a south Swedish beech forest. *Journal of Insect Conservation*, **2009**, 13, 515-528	2.1	25
22	Restoration of beech forest for saproxylic beetles—effects of habitat fragmentation and substrate density on species diversity and distribution. *Biodiversity and Conservation*, **2009**, 18, 2387-2404	3.4	33
21	Unravelling the effects of temperature, latitude and local environment on the reproduction of forest herbs. *Global Ecology and Biogeography*, **2009**, 18, 641-651	6.1	37
20	Interacting effects of tree characteristics on the occurrence of rare epiphytes in a Swedish beech forest area. *Bryologist*, **2009**, 112, 488-505	0.7	50
19	Restoration of oak forest: Effects of former arable land use on soil chemistry and herb layer vegetation. *Scandinavian Journal of Forest Research*, **2008**, 23, 513-521	1.7	15
18	Homogenization of forest plant communities and weakening of species–environment relationships via agricultural land use. *Journal of Ecology*, **2007**, 95, 565-573	6	244
17	Plant colonization in heterogeneous landscapes: an 80-year perspective on restoration of broadleaved forest vegetation. *Journal of Applied Ecology*, **2007**, 44, 563-572	5.8	70
16	Forest History as a Basis for Ecosystem Restoration—A Multidisciplinary Case Study in a South Swedish Temperate Landscape. *Restoration Ecology*, **2007**, 15, 284-295	3.1	57
15	Lichen litter decomposition in *Nothofagus* forest of northern Patagonia: biomass and chemical changes over time. *Bryologist*, **2007**, 110, 266-273	0.7	13
14	Dalby Söderskog revisited: long-term vegetation changes in a south Swedish deciduous forest. *Acta Oecologica*, **2007**, 31, 229-242	1.7	40
13	Land use effects on soil N, P, C and pH persist over 40–80 years of forest growth on agricultural soils. *Forest Ecology and Management*, **2006**, 225, 74-81	3.9	120
12	Sensitivity of the woodland herb Anemone hepatica to changing environmental conditions. *Journal of Vegetation Science*, **2002**, 13, 207-216	3.1	8
11	Factors influencing vegetation gradients across ancient-recent woodland borderlines in southern Sweden. *Journal of Vegetation Science*, **2000**, 11, 515-524	3.1	61
10	Interannual variability in abundance of field layer species in a south Swedish deciduous wood. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2000**, 195, 97-103	1.9	14
9	Effects of Nitrogen Deposition: Results of a Temporal-Spatial Analysis of Deciduous Forests in South Sweden. *Plant Biology*, **1999**, 1, 471-481	3.7	53
8	Migration of vascular plants to secondary woodlands in southern Sweden. *Journal of Ecology*, **1998**, 86, 429-438	6	267

7	Nitrogen mineralisation in deciduous forest soils in south Sweden in gradients of soil acidity and deposition. *Environmental Pollution*, **1998**, 102, 415-420	9.3	63
6	Colonization of secondary woodlands by Anemone nemorosa. *Nordic Journal of Botany*, **1998**, 18, 369-377	1.1	42
5	Pattern and dynamics of the ground vegetation in south Swedish Carpinus betulus forests: importance of soil chemistry and management. *Ecography*, **1997**, 20, 513-520	6.5	35
4	Regional differences in floristic change in South Swedish oak forests as related to soil chemistry and land use. *Journal of Vegetation Science*, **1997**, 8, 329-336	3.1	54
3	Herb layer vegetation of south Swedish beech and oak forests: effects of management and soil acidity during one decade. *Forest Ecology and Management*, **1996**, 88, 259-272	3.9	118
2	Environmental and historical factors limiting the distribution of rare forest grasses in south Sweden. *Forest Ecology and Management*, **1993**, 61, 263-275	3.9	45
1	Importance of Soil Acidity to the Distribution of Rare Forest Grasses in South Sweden. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **1992**, 187, 317-326	1.9	18