

François Gillet

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

5,115
citations

159573

30
h-index

161844

54
g-index

97
all docs

97
docs citations

97
times ranked

9037
citing authors

#	ARTICLE	IF	CITATIONS
1	DynaGraM: A process-based model to simulate multi-species plant community dynamics in managed grasslands. <i>Ecological Modelling</i> , 2021, 439, 109345.	2.5	8
2	Recent changes in mountain hay meadows of high conservation value in eastern France. <i>Applied Vegetation Science</i> , 2021, 24, e12573.	1.9	3
3	Fine-scale grain beta diversity of Palaearctic grassland vegetation. <i>Journal of Vegetation Science</i> , 2021, 32, e13045.	2.2	18
4	The climatic debt is growing in the understorey of temperate forests: Stand characteristics matter. <i>Global Ecology and Biogeography</i> , 2021, 30, 1474-1487.	5.8	28
5	Scale dependence of species-area relationships is widespread but generally weak in Palaearctic grasslands. <i>Journal of Vegetation Science</i> , 2021, 32, e13044.	2.2	8
6	Benchmarking plant diversity of Palaearctic grasslands and other open habitats. <i>Journal of Vegetation Science</i> , 2021, 32, e13050.	2.2	34
7	Microbial transfers from permanent grassland ecosystems to milk in dairy farms in the Comté cheese area. <i>Scientific Reports</i> , 2021, 11, 18144.	3.3	8
8	Vole disturbances and plant community diversity in a productive hay meadow. <i>Acta Oecologica</i> , 2020, 106, 103585.	1.1	3
9	Towards the assessment of biodiversity and management practices in mountain pastures using diagnostic species?. <i>Ecological Indicators</i> , 2019, 107, 105584.	6.3	7
10	Action-orientated research and framework: insights from the French long-term social-ecological research network. <i>Ecology and Society</i> , 2019, 24, .	2.3	34
11	Occurrence and ecological determinants of the contamination of floodplain wetlands with <i>Klebsiella pneumoniae</i> and pathogenic or antibiotic-resistant <i>Escherichia coli</i> .. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	20
12	Spontaneous ecological recovery of vegetation in a red gypsum landfill: <i>Betula pendula</i> dominates after 10 years of inactivity. <i>Ecological Engineering</i> , 2019, 132, 31-40.	3.6	25
13	Modelling vegetation dynamics in managed grasslands: Responses to drivers depend on species richness. <i>Ecological Modelling</i> , 2018, 374, 22-36.	2.5	13
14	Modelling the distribution and compositional variation of plant communities at the continental scale. <i>Diversity and Distributions</i> , 2018, 24, 978-990.	4.1	37
15	Sewage sludge as a soil amendment in a <i>Larix decidua</i> plantation: Effects on tree growth and floristic diversity. <i>Science of the Total Environment</i> , 2018, 621, 291-301.	8.0	14
16	GrassPlot – a database of multi-scale plant diversity in Palaearctic grasslands. <i>Phytocoenologia</i> , 2018, 48, 331-347.	0.5	49
17	The integrated synusial approach to vegetation classification and analysis. <i>Phytocoenologia</i> , 2018, 48, 141-152.	0.5	10
18	Numerical Ecology with R. Use R!, 2018, , .	0.2	439

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19	Canonical Ordination. Use R!, 2018, , 203-297.	0.2	21
20	Spatial Analysis of Ecological Data. Use R!, 2018, , 299-367.	0.2	20
21	Contrasting processes drive alpha and beta taxonomic, functional and phylogenetic diversity of orthopteran communities in grasslands. Agriculture, Ecosystems and Environment, 2017, 242, 43-52.	5.3	26
22	Interpolation of temperatures under forest cover on a regional scale in the French Jura Mountains. International Journal of Climatology, 2017, 37, 659-670.	3.5	8
23	Disturbance-grazer-vegetation interactions maintain habitat diversity in mountain pasture-woodlands. Ecological Modelling, 2017, 359, 301-310.	2.5	10
24	Multiple Assembly Rules Drive the Co-occurrence of Orthopteran and Plant Species in Grasslands: Combining Network, Functional and Phylogenetic Approaches. Frontiers in Plant Science, 2016, 7, 1224.	3.6	6
25	Recent changes in mountain grasslands: a vegetation resampling study. Ecology and Evolution, 2016, 6, 2333-2345.	1.9	28
26	Landscape-scale simulation experiments test Romanian and Swiss management guidelines for mountain pasture-woodland habitat diversity. Ecological Modelling, 2016, 330, 41-49.	2.5	4
27	Impact of nitrogen inputs on multiple facets of plant biodiversity in mountain grasslands: does nutrient source matter?. Applied Vegetation Science, 2016, 19, 206-217.	1.9	7
28	Multi-scale feedbacks between tree regeneration traits and herbivore behavior explain the structure of pasture-woodland mosaics. Landscape Ecology, 2016, 31, 913-927.	4.2	16
29	A comparative framework for broad-scale plot-based vegetation classification. Applied Vegetation Science, 2015, 18, 543-560.	1.9	126
30	Functional responses of multitaxa communities to disturbance and stress gradients in a restored floodplain. Journal of Applied Ecology, 2015, 52, 1364-1373.	4.0	38
31	What is the robustness of early warning signals to temporal aggregation?. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	11
32	Assemblages and paleo-diet variability of subfossil Chironomidae (Diptera) from a deep lake (Lake Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	10
33	Microbiological characterization of 3193 French dwellings of Elfe cohort children. Science of the Total Environment, 2015, 505, 1026-1035.	8.0	38
34	Cadmium accumulation in six common plant species associated with soils containing high geogenic cadmium concentrations at Le Gurnigel, Swiss Jura Mountains. Catena, 2015, 124, 85-96.	5.0	40
35	Contrasted taxonomic, phylogenetic and functional diversity patterns in semi-natural permanent grasslands along an altitudinal gradient. Plant Ecology and Evolution, 2014, 147, 165-175.	0.7	24
36	Biogeographic patterns of base-rich fen vegetation across Europe. Applied Vegetation Science, 2014, 17, 367-380.	1.9	34

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37	Impact of management type and intensity on multiple facets of grassland biodiversity in the Jura Mountains. <i>Applied Vegetation Science</i> , 2014, 17, 645-657.	1.9	16
38	Dynamics of Forage Production in Pasture-woodlands of the Swiss Jura Mountains under Projected Climate Change Scenarios. <i>Ecology and Society</i> , 2013, 18, .	2.3	30
39	Sustainable Land Use in Mountain Regions Under Global Change: Synthesis Across Scales and Disciplines. <i>Ecology and Society</i> , 2013, 18, .	2.3	42
40	Past and future landscape dynamics in pasture-woodlands of the Swiss Jura Mountains under climate change. <i>Ecology and Society</i> , 2013, 18, .	2.3	41
41	A Contextual Analysis of Land-Use and Vegetation Changes in Two Wooded Pastures in the Swiss Jura Mountains. <i>Ecology and Society</i> , 2013, 18, .	2.3	25
42	Modeling Social-Ecological Feedback Effects in the Implementation of Payments for Environmental Services in Pasture-Woodlands. <i>Ecology and Society</i> , 2013, 18, .	2.3	38
43	How do plant community ecologists consider the complementarity of observational, experimental and theoretical modelling approaches?. <i>Plant Ecology and Evolution</i> , 2012, 145, 4-12.	0.7	5
44	New insights in plant community ecology. <i>Plant Ecology and Evolution</i> , 2012, 145, 3-3.	0.7	1
45	Using bryophytes and their associated testate amoeba-microsystems as indicators of atmospheric pollution. <i>Ecological Indicators</i> , 2012, 13, 144-151.	6.3	32
46	Structural relationships among vegetation, soil fauna and humus form in a subalpine forest ecosystem: a Hierarchical Multiple Factor Analysis (HMFA). <i>Pedobiologia</i> , 2012, 55, 321-334.	1.2	21
47	Modern pollen rain and fungal spore assemblages from pasture woodlands around Lake Saint-Point (France). <i>Review of Palaeobotany and Palynology</i> , 2012, 186, 69-89.	1.5	40
48	VII. Références bibliographiques. , 2012, , 113-126.		0
49	Evolution récente et future des paysages sylvo-pastoraux du Jura vaudois. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2012, 163, 469-480.	0.1	1
50	Numerical Ecology with R. , 2011, , .		1,684
51	Human exposure to allergenic pollens: A comparison between urban and rural areas. <i>Environmental Research</i> , 2011, 111, 619-625.	7.5	77
52	Association Measures and Matrices. , 2011, , 31-51.		7
53	Heterogeneity of soil carbon pools and fluxes in a channelized and a restored floodplain section (Thur River, Switzerland). <i>Hydrology and Earth System Sciences</i> , 2011, 15, 1757-1769.	4.9	46
54	Restoration of Threatened Arable Weed Communities in Abandoned Mountainous Crop Fields. <i>Restoration Ecology</i> , 2011, 19, 62-69.	2.9	20

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55	Modelling natural disturbances in forest ecosystems: a review. <i>Ecological Modelling</i> , 2011, 222, 903-924.	2.5	318
56	Ployploidy and invasion success: trait trade-offs in native and introduced cytotypes of two Asteraceae species. <i>Plant Ecology</i> , 2011, 212, 315-325.	1.6	36
57	Long-term effects of grazing exclusion on aboveground and belowground plant species diversity in a steppe of the Loess Plateau, China. <i>Plant Ecology and Evolution</i> , 2011, 144, 313-320.	0.7	36
58	Canonical Ordination. , 2011, , 153-225.		39
59	Unconstrained Ordination. , 2011, , 115-151.		21
60	Simulation tools for decision support to adaptive forest management in Europe. <i>Forest Systems</i> , 2011, 3, 86.	0.3	15
61	Effect of dung deposition on small-scale patch structure and seasonal vegetation dynamics in mountain pastures. <i>Agriculture, Ecosystems and Environment</i> , 2010, 135, 34-41.	5.3	52
62	Long-term dynamics of aboveground fungal communities in a subalpine Norway spruce forest under elevated nitrogen input. <i>Oecologia</i> , 2010, 164, 499-510.	2.0	22
63	Community development along a proglacial chronosequence: are aboveground and belowground community structure controlled more by biotic than abiotic factors?. <i>Journal of Ecology</i> , 2010, 98, 1084-1095.	4.0	58
64	Statistical Assessment of Variability of Terminal Restriction Fragment Length Polymorphism Analysis Applied to Complex Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7268-7270.	3.1	20
65	Determinants for the conservation of a vulnerable fire-dependent species at its marginal range. <i>Plant Ecology</i> , 2008, 199, 89-98.	1.6	9
66	Modelling vegetation dynamics in heterogeneous pasture-woodland landscapes. <i>Ecological Modelling</i> , 2008, 217, 1-18.	2.5	45
67	Simulation modelling of ecological hierarchies in constructive dynamical systems. <i>Ecological Complexity</i> , 2007, 4, 13-25.	2.9	35
68	Succession secondaire et perte de diversit� v�g�tale apr�s r�duction du broutage dans un p�turage bois� des Alpes centrales suisses. <i>Botanica Helvetica</i> , 2007, 117, 37-56.	1.1	17
69	How elevated pCO2 modifies total and metabolically active bacterial communities in the rhizosphere of two perennial grasses grown under field conditions. <i>FEMS Microbiology Ecology</i> , 2006, 55, 339-350.	2.7	55
70	Spatial and Seasonal Patterns of Cattle Habitat use in a Mountain Wooded Pasture. <i>Landscape Ecology</i> , 2006, 21, 281-295.	4.2	56
71	Effect of cattle activities on gap colonization in mountain pastures. <i>Folia Geobotanica</i> , 2006, 41, 289-304.	0.9	45
72	Is there a future for wild grapevine (<i>Vitis vinifera</i> subsp. <i>silvestris</i>) in the Rhine Valley?. <i>Biodiversity and Conservation</i> , 2005, 14, 1507-1523.	2.6	51

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73	Soil Microbial Community Changes in Wooded Mountain Pastures due to Simulated Effects of Cattle Grazing. <i>Plant and Soil</i> , 2005, 278, 327-340.	3.7	64
74	Seasonal dynamics of plant species at fine scale in wooded pastures. <i>Community Ecology</i> , 2004, 5, 7-17.	0.9	14
75	Seasonal vegetation changes in mountain pastures due to simulated effects of cattle grazing. <i>Journal of Vegetation Science</i> , 2004, 15, 143-150.	2.2	78
76	Succession from bog pine (<i>Pinus uncinata</i> var. <i>rotundata</i>) to Norway spruce (<i>Picea abies</i>) stands in relation to anthropic factors in Les Saignolis bog, Jura Mountains, Switzerland. <i>Annals of Forest Science</i> , 2003, 60, 347-356.	2.0	21
77	PATUMOD: a compartment model of vegetation dynamics in wooded pastures. <i>Ecological Modelling</i> , 2002, 147, 267-290.	2.5	22
78	Statistical analysis of denaturing gel electrophoresis (DGE) fingerprinting patterns. <i>Environmental Microbiology</i> , 2002, 4, 634-643.	3.8	469
79	Dynamics of bog-pine-dominated mires in the Jura Mountains, Switzerland: A tentative scheme based on synusial phytosociology. <i>Folia Geobotanica</i> , 2000, 35, 273-288.	0.9	14
80	Influence of tree cover on the diversity of herbaceous communities in subalpine wooded pastures. <i>Applied Vegetation Science</i> , 1999, 2, 47-54.	1.9	41
81	Integrated synusial phytosociology: some notes on a new, multiscalar approach to vegetation analysis. <i>Journal of Vegetation Science</i> , 1996, 7, 13-18.	2.2	55
82	Plant communities, synusiae and the arithmetic of a sustainable classification. <i>Vegetation Classification and Survey</i> , 0, 3, 7-13.	0.0	2
83	Fine-grain beta diversity in Palaearctic open vegetation: variability within and between biomes and vegetation types. <i>Vegetation Classification and Survey</i> , 0, 2, 293-304.	0.0	1