

# François Gillet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3992104/publications.pdf>

Version: 2024-02-01

83

papers

5,115

citations

159585

30

h-index

161849

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 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/Overlook 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 embryophytes 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 | Polyploidy 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 above-ground and below-ground 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 diversité végétale après réduction du broutage dans un pâturage boisé des Alpes centrales suisses. <i>Botanica Helvetica</i> , 2007, 117, 37-56.  | 1.1 | 17        |
| 69 | How elevated pCO <sub>2</sub> 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         |