

M-Teresa SebastiÃ

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,956
citations

172457

29
h-index

118850

62
g-index

68
all docs

68
docs citations

68
times ranked

7847
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity Differences between Managed and Unmanaged Forests: Meta-Analysis of Species Richness in Europe. <i>Conservation Biology</i> , 2010, 24, 101-112.	4.7	679
2	Temperature sensitivity of soil respiration rates enhanced by microbial community response. <i>Nature</i> , 2014, 513, 81-84.	27.8	528
3	21st century climate change threatens mountain flora unequally across Europe. <i>Global Change Biology</i> , 2011, 17, 2330-2341.	9.5	478
4	Evenness drives consistent diversity effects in intensive grassland systems across 28 European sites. <i>Journal of Ecology</i> , 2007, 95, 530-539.	4.0	287
5	Ecosystem function enhanced by combining four functional types of plant species in intensively managed grassland mixtures: a 3-year continental-scale field experiment. <i>Journal of Applied Ecology</i> , 2013, 50, 365-375.	4.0	247
6	Variations in species and functional plant diversity along climatic and grazing gradients. <i>Ecography</i> , 2006, 29, 801-810.	4.5	232
7	Partitioning of functional diversity reveals the scale and extent of trait convergence and divergence. <i>Journal of Vegetation Science</i> , 2009, 20, 475-486.	2.2	226
8	Predictive value of plant traits to grazing along a climatic gradient in the Mediterranean. <i>Journal of Applied Ecology</i> , 2005, 42, 824-833.	4.0	181
9	Diversity-interaction modeling: estimating contributions of species identities and interactions to ecosystem function. <i>Ecology</i> , 2009, 90, 2032-2038.	3.2	145
10	Nitrogen yield advantage from grass-legume mixtures is robust over a wide range of legume proportions and environmental conditions. <i>Global Change Biology</i> , 2015, 21, 2424-2438.	9.5	135
11	Semiempirical modeling of abiotic and biotic factors controlling ecosystem respiration across eddy covariance sites. <i>Global Change Biology</i> , 2011, 17, 390-409.	9.5	128
12	Role of topography and soils in grassland structuring at the landscape and community scales. <i>Basic and Applied Ecology</i> , 2004, 5, 331-346.	2.7	127
13	Soil organic carbon storage in mountain grasslands of the Pyrenees: effects of climate and topography. <i>Biogeochemistry</i> , 2007, 82, 279-289.	3.5	119
14	Modeling moisture content in shrubs to predict fire risk in Catalonia (Spain). <i>Agricultural and Forest Meteorology</i> , 2003, 116, 49-59.	4.8	95
15	Which trait dissimilarity for functional diversity: trait means or trait overlap?. <i>Journal of Vegetation Science</i> , 2013, 24, 807-819.	2.2	95
16	Grazing as a factor structuring grasslands in the Pyrenees. <i>Applied Vegetation Science</i> , 2008, 11, 215-222.	1.9	83
17	Grazing effects on the species-area relationship: Variation along a climatic gradient in NE Spain. <i>Journal of Vegetation Science</i> , 2007, 18, 25-34.	2.2	80
18	Plant guilds drive biomass response to global warming and water availability in subalpine grassland. <i>Journal of Applied Ecology</i> , 2006, 44, 158-167.	4.0	65

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19	An improved model to predict the effects of changing biodiversity levels on ecosystem function. <i>Journal of Ecology</i> , 2013, 101, 344-355.	4.0	56
20	Factors regulating carbon mineralization in the surface and subsurface soils of Pyrenean mountain grasslands. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2803-2810.	8.8	52
21	Weed suppression greatly increased by plant diversity in intensively managed grasslands: A continental-scale experiment. <i>Journal of Applied Ecology</i> , 2018, 55, 852-862.	4.0	52
22	Elemental Composition of Natural Nanoparticles and Fine Colloids in European Forest Stream Waters and Their Role as Phosphorus Carriers. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1592-1607.	4.9	48
23	Major shifts in species' relative abundance in grassland mixtures alongside positive effects of species diversity in yield: a continental-scale experiment. <i>Journal of Ecology</i> , 2017, 105, 1210-1222.	4.0	43
24	Biochar application and summer temperatures reduce N ₂ O and enhance CH ₄ emissions in a Mediterranean agroecosystem: Role of biologically-induced anoxic microsites. <i>Science of the Total Environment</i> , 2019, 685, 1075-1086.	8.0	39
25	Grazing effects on the species-area relationship: Variation along a climatic gradient in NE Spain. <i>Journal of Vegetation Science</i> , 2007, 18, 25.	2.2	38
26	Seasonal patterns of belowground biomass and productivity in mountain grasslands in the Pyrenees. <i>Plant and Soil</i> , 2011, 340, 315-326.	3.7	38
27	Conservation of soil organic carbon, biodiversity and the provision of other ecosystem services along climatic gradients in West Africa. <i>Biogeosciences</i> , 2009, 6, 1825-1838.	3.3	35
28	Title is missing!, 2000, 9, 965-984.		34
29	Is reproductive allocation in <i>Senecio vulgaris</i> plastic?. <i>Botany</i> , 2009, 87, 475-481.	1.0	34
30	Benchmarking plant diversity of Palaeartic grasslands and other open habitats. <i>Journal of Vegetation Science</i> , 2021, 32, e13050.	2.2	34
31	Functional Trait Changes, Productivity Shifts and Vegetation Stability in Mountain Grasslands during a Short-Term Warming. <i>PLoS ONE</i> , 2015, 10, e0141899.	2.5	31
32	Soil nutrient fluxes and vegetation changes on molehills. <i>Journal of Vegetation Science</i> , 2000, 11, 23-30.	2.2	30
33	Turnover of Grassland Roots in Mountain Ecosystems Revealed by Their Radiocarbon Signature: Role of Temperature and Management. <i>PLoS ONE</i> , 2015, 10, e0119184.	2.5	30
34	Decomposition of labelled roots and root-C and -N allocation between soil fractions in mountain grasslands. <i>Soil Biology and Biochemistry</i> , 2012, 49, 61-69.	8.8	28
35	Strong shifts in plant diversity and vegetation composition in grassland shortly after climatic change. <i>Journal of Vegetation Science</i> , 2008, 19, 299-306.	2.2	25
36	The stable isotope ecology of terrestrial plant succession. <i>Plant Ecology and Diversity</i> , 2011, 4, 117-130.	2.4	22

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37	Benefits of sward diversity for agricultural grasslands. <i>Biodiversity</i> , 2008, 9, 29-32.	1.1	21
38	Carbon–nitrogen interactions in European forests and semi-natural vegetation – Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020, 17, 1583-1620.	3.3	21
39	LandTrendr smoothed spectral profiles enhance woody encroachment monitoring. <i>Remote Sensing of Environment</i> , 2021, 262, 112521.	11.0	20
40	Relating plant species and functional diversity to community $\delta^{13}C$ in NE Spain pastures. <i>Agriculture, Ecosystems and Environment</i> , 2009, 131, 303-307.	5.3	19
41	The Agrodiversity Experiment: three years of data from a multisite study in intensively managed grasslands. <i>Ecology</i> , 2014, 95, 2680-2680.	3.2	19
42	Quality Assessment of Photogrammetric Methods – A Workflow for Reproducible UAS Orthomosaics. <i>Remote Sensing</i> , 2020, 12, 3831.	4.0	19
43	Complex vegetation responses to soil disturbances in mountain grassland. <i>Plant Ecology</i> , 2008, 199, 77-88.	1.6	18
44	Stakeholder Perceptions of the Impacts of Rural Funding Scenarios on Mountain Landscapes Across Europe. <i>Ecosystems</i> , 2008, 11, 1368-1382.	3.4	15
45	Plant identity and evenness affect yield and trace gas exchanges in forage mixtures. <i>Plant and Soil</i> , 2015, 391, 93-108.	3.7	15
46	Plant diversity and soil properties in pristine and managed stands from Bosnian mixed forests. <i>Forestry</i> , 2005, 78, 297-303.	2.3	14
47	Fairy rings harbor distinct soil fungal communities and high fungal diversity in a montane grassland. <i>Fungal Ecology</i> , 2020, 47, 100962.	1.6	14
48	Temperature and Moisture Controls of C Fluxes in Grazed Subalpine Grasslands. <i>Arctic, Antarctic, and Alpine Research</i> , 2012, 44, 239-246.	1.1	12
49	Heathland dynamics in biotically disturbed areas: on the role of some features enhancing heath success. <i>Acta Oecologica</i> , 2002, 23, 303-312.	1.1	10
50	Effects of land use and climate on carbon and nitrogen pool partitioning in European mountain grasslands. <i>Science of the Total Environment</i> , 2022, 822, 153380.	8.0	10
51	Phenology and plant functional type dominance drive CO_2 exchange in seminatural grasslands in the Pyrenees. <i>Journal of Agricultural Science</i> , 2020, 158, 3-14.	1.3	9
52	Compromises in Data Selection in a Meta-Analysis of Biodiversity in Managed and Unmanaged Forests: Response to Halme et al.. <i>Conservation Biology</i> , 2010, 24, 1157-1160.	4.7	8
53	Plant Functional Diversity, Climate and Grazer Type Regulate Soil Activity in Natural Grasslands. <i>Agronomy</i> , 2020, 10, 1291.	3.0	8
54	Interactions between biogeochemical and management factors explain soil organic carbon in Pyrenean grasslands. <i>Biogeosciences</i> , 2020, 17, 6033-6050.	3.3	7

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55	Stable isotope views on ecosystem function: challenging or challenged?. <i>Biology Letters</i> , 2010, 6, 287-289.	2.3	6
56	Changes in management modify agro-diversity in sainfoin swards in the Eastern Pyrenees. <i>Agronomy for Sustainable Development</i> , 2011, 31, 533-540.	5.3	6
57	Cereal-legume mixtures increase net CO2 uptake in a forage crop system in the Eastern Pyrenees. <i>Field Crops Research</i> , 2021, 272, 108262.	5.1	6
58	Maximizing the information obtained from chamber-based greenhouse gas exchange measurements in remote areas. <i>MethodsX</i> , 2018, 5, 973-983.	1.6	5
59	Positive Effects of Legumes on Soil Organic Carbon Stocks Disappear at High Legume Proportions Across Natural Grasslands in the Pyrenees. <i>Ecosystems</i> , 2022, 25, 960-975.	3.4	5
60	Interactions between global change components drive plant species richness patterns within communities in mountain grasslands independently of topography. <i>Journal of Vegetation Science</i> , 2018, 29, 1029-1039.	2.2	4
61	Responses in Soil Carbon and Nitrogen Fractionation after Prescribed Burning in the Montseny Biosphere Reserve (NE Iberian Peninsula). <i>Sustainability</i> , 2022, 14, 4232.	3.2	4
62	Fairy ringâ€induced soil potassium depletion gradients reshape microbial community composition in a montane grassland. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	3
63	Treeâ€Open Grassland Structure and Composition Drive Greenhouse Gas Exchange in Holm Oak Meadows of the Iberian Peninsula. <i>Agronomy</i> , 2021, 11, 50.	3.0	1