

Michael Bahn

List of Publications by Year in descending order

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Version: 2024-02-01

147
papers

15,488
citations

26630

56
h-index

19190

118
g-index

193
all docs

193
docs citations

193
times ranked

18264
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY â€“ a global database of plant traits. <i>Global Change Biology</i> , 2011, 17, 2905-2935.	9.5	2,002
2	Climate extremes and the carbon cycle. <i>Nature</i> , 2013, 500, 287-295.	27.8	1,357
3	TRY plant trait database â€“ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
4	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , 2015, 21, 2861-2880.	9.5	683
5	Linking stable oxygen and carbon isotopes with stomatal conductance and photosynthetic capacity: a conceptual model. <i>Oecologia</i> , 2000, 125, 350-357.	2.0	517
6	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
7	Which is a better predictor of plant traits: temperature or precipitation?. <i>Journal of Vegetation Science</i> , 2014, 25, 1167-1180.	2.2	323
8	Multiple facets of biodiversity drive the diversityâ€“stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	7.8	296
9	Carbon allocation and carbon isotope fluxes in the plant-soil-atmosphere continuum: a review. <i>Biogeosciences</i> , 2011, 8, 3457-3489.	3.3	289
10	Soil Respiration in European Grasslands in Relation to Climate and Assimilate Supply. <i>Ecosystems</i> , 2008, 11, 1352-1367.	3.4	276
11	Relative contributions of plant traits and soil microbial properties to mountain grassland ecosystem services. <i>Journal of Ecology</i> , 2013, 101, 47-57.	4.0	265
12	Experimental drought reduces the transfer of recently fixed plant carbon to soil microbes and alters the bacterial community composition in a mountain meadow. <i>New Phytologist</i> , 2014, 201, 916-927.	7.3	261
13	Does photosynthesis affect grassland soilâ€™s respired CO ₂ and its carbon isotope composition on a diurnal timescale?. <i>New Phytologist</i> , 2009, 182, 451-460.	7.3	260
14	Linking plant and ecosystem functional biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13697-13702.	7.1	255
15	Towards a Comparable Quantification of Resilience. <i>Trends in Ecology and Evolution</i> , 2018, 33, 251-259.	8.7	253
16	Pulse-labelling trees to study carbon allocation dynamics: a review of methods, current knowledge and future prospects. <i>Tree Physiology</i> , 2012, 32, 776-798.	3.1	223
17	Elevation alters ecosystem properties across temperate treelines globally. <i>Nature</i> , 2017, 542, 91-95.	27.8	200
18	Summer drought alters carbon allocation to roots and root respiration in mountain grassland. <i>New Phytologist</i> , 2015, 205, 1117-1127.	7.3	199

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19	Seasonal and interannual variability of the net ecosystem CO ₂ exchange of a temperate mountain grassland: Effects of weather and management. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	184
20	Root respiration in temperate mountain grasslands differing in land use. <i>Global Change Biology</i> , 2006, 12, 995-1006.	9.5	174
21	On the "temperature sensitivity"™ of soil respiration: Can we use the immeasurable to predict the unknown?. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1653-1656.	8.8	150
22	To replicate, or not to replicate " that is the question: how to tackle nonlinear responses in ecological experiments. <i>Ecology Letters</i> , 2018, 21, 1629-1638.	6.4	146
23	Contribution of above- and below-ground plant traits to the structure and function of grassland soil microbial communities. <i>Annals of Botany</i> , 2014, 114, 1011-1021.	2.9	136
24	Quantifying nighttime ecosystem respiration of a meadow using eddy covariance, chambers and modelling. <i>Agricultural and Forest Meteorology</i> , 2005, 128, 141-162.	4.8	132
25	On the multi-temporal correlation between photosynthesis and soil CO ₂ efflux: reconciling lags and observations. <i>New Phytologist</i> , 2011, 191, 1006-1017.	7.3	128
26	Biotic, Abiotic, and Management Controls on the Net Ecosystem CO ₂ Exchange of European Mountain Grassland Ecosystems. <i>Ecosystems</i> , 2008, 11, 1338-1351.	3.4	122
27	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO ₂ production and efflux. <i>Ecological Applications</i> , 2010, 20, 1569-1582.	3.8	120
28	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information. <i>Geoscientific Model Development</i> , 2016, 9, 2415-2440.	3.6	115
29	Elevated CO ₂ maintains grassland net carbon uptake under a future heat and drought extreme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6224-6229.	7.1	112
30	Mean annual precipitation predicts primary production resistance and resilience to extreme drought. <i>Science of the Total Environment</i> , 2018, 636, 360-366.	8.0	109
31	Estimation of daytime ecosystem respiration to determine gross primary production of a mountain meadow. <i>Agricultural and Forest Meteorology</i> , 2005, 130, 13-25.	4.8	108
32	Ecological memory of recurrent drought modifies soil processes via changes in soil microbial community. <i>Nature Communications</i> , 2021, 12, 5308.	12.8	108
33	Few multiyear precipitation"reduction experiments find a"shift in the productivity"precipitation relationship. <i>Global Change Biology</i> , 2016, 22, 2570-2581.	9.5	105
34	Plant carbon allocation in a changing world " challenges and progress: introduction to a Virtual Issue on carbon allocation. <i>New Phytologist</i> , 2020, 227, 981-988.	7.3	105
35	A methodology to derive global maps of leaf traits using remote sensing and climate data. <i>Remote Sensing of Environment</i> , 2018, 218, 69-88.	11.0	104
36	Soil respiration at mean annual temperature predicts annual total across vegetation types and biomes. <i>Biogeosciences</i> , 2010, 7, 2147-2157.	3.3	99

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37	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021, 598, 468-472.	27.8	99
38	Land use affects the net ecosystem CO ₂ exchange and its components in mountain grasslands. <i>Biogeosciences</i> , 2010, 7, 2297-2309.	3.3	98
39	Inter-specific variation of the biochemical limitation to photosynthesis and related leaf traits of 30 species from mountain grassland ecosystems under different land use. <i>Plant, Cell and Environment</i> , 1999, 22, 1281-1296.	5.7	94
40	Drought history affects grassland plant and microbial carbon turnover during and after a subsequent drought event. <i>Journal of Ecology</i> , 2016, 104, 1453-1465.	4.0	94
41	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. <i>Journal of Biogeography</i> , 2018, 45, 895-916.	3.0	92
42	Land use in mountain grasslands alters drought response and recovery of carbon allocation and plant-microbial interactions. <i>Journal of Ecology</i> , 2018, 106, 1230-1243.	4.0	90
43	Comparing ecosystem and soil respiration: Review and key challenges of tower-based and soil measurements. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 434-443.	4.8	89
44	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation. <i>Nature Ecology and Evolution</i> , 2022, 6, 36-50.	7.8	89
45	Connecting the Green and Brown Worlds. <i>Advances in Ecological Research</i> , 2013, 49, 69-175.	2.7	84
46	Responses of belowground carbon allocation dynamics to extended shading in mountain grassland. <i>New Phytologist</i> , 2013, 198, 116-126.	7.3	84
47	Eddy covariance measurements of carbon dioxide, latent and sensible energy fluxes above a meadow on a mountain slope. <i>Boundary-Layer Meteorology</i> , 2007, 122, 397-416.	2.3	83
48	Species richness effects on grassland recovery from drought depend on community productivity in a multisite experiment. <i>Ecology Letters</i> , 2017, 20, 1405-1413.	6.4	82
49	Drought-Induced Accumulation of Root Exudates Supports Post-drought Recovery of Microbes in Mountain Grassland. <i>Frontiers in Plant Science</i> , 2018, 9, 1593.	3.6	80
50	Relationships between functional traits and inorganic nitrogen acquisition among eight contrasting European grass species. <i>Annals of Botany</i> , 2015, 115, 107-115.	2.9	78
51	Catalytic power of enzymes decreases with temperature: New insights for understanding soil C cycling and microbial ecology under warming. <i>Global Change Biology</i> , 2018, 24, 4238-4250.	9.5	75
52	Can current moisture responses predict soil CO ₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments. <i>Biogeosciences</i> , 2014, 11, 2991-3013.	3.3	74
53	Denitrifying pathways dominate nitrous oxide emissions from managed grassland during drought and rewetting. <i>Science Advances</i> , 2021, 7, .	10.3	71
54	Impact of land-use change on nitrogen mineralization in subalpine grasslands in the Southern Alps. <i>Biology and Fertility of Soils</i> , 2000, 31, 441-448.	4.3	67

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55	Drought legacies and ecosystem responses to subsequent drought. <i>Global Change Biology</i> , 2022, 28, 5086-5103.	9.5	67
56	Greenhouse gas fluxes over managed grasslands in Central Europe. <i>Global Change Biology</i> , 2018, 24, 1843-1872.	9.5	63
57	Ecosystem fluxes during drought and recovery in an experimental forest. <i>Science</i> , 2021, 374, 1514-1518.	12.6	60
58	A multi-component, multi-species model of vegetation-atmosphere CO ₂ and energy exchange for mountain grasslands. <i>Agricultural and Forest Meteorology</i> , 2001, 106, 261-287.	4.8	57
59	Robustness of trait connections across environmental gradients and growth forms. <i>Global Ecology and Biogeography</i> , 2019, 28, 1806-1826.	5.8	56
60	Land Use Alters the Drought Responses of Productivity and CO ₂ Fluxes in Mountain Grassland. <i>Ecosystems</i> , 2018, 21, 689-703.	3.4	55
61	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. <i>Biogeosciences</i> , 2018, 15, 3421-3437.	3.3	55
62	Winter ecology of a subalpine grassland: Effects of snow removal on soil respiration, microbial structure and function. <i>Science of the Total Environment</i> , 2017, 590-591, 316-324.	8.0	54
63	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020, 11, 1351.	12.8	52
64	Effects of drought on nitrogen turnover and abundances of ammonia-oxidizers in mountain grassland. <i>Biogeosciences</i> , 2014, 11, 6003-6015.	3.3	51
65	Climate-biosphere interactions in a more extreme world. <i>New Phytologist</i> , 2014, 202, 356-359.	7.3	51
66	Microbial carbon and nitrogen cycling responses to drought and temperature in differently managed mountain grasslands. <i>Soil Biology and Biochemistry</i> , 2019, 135, 144-153.	8.8	51
67	Climate change alters temporal dynamics of alpine soil microbial functioning and biogeochemical cycling via earlier snowmelt. <i>ISME Journal</i> , 2021, 15, 2264-2275.	9.8	51
68	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355.	9.5	50
69	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , 2019, 28, 78-95.	5.8	49
70	The added value of including key microbial traits to determine nitrogen-related ecosystem services in managed grasslands. <i>Journal of Applied Ecology</i> , 2018, 55, 49-58.	4.0	47
71	On the choice of the driving temperature for eddy-covariance carbon dioxide flux partitioning. <i>Biogeosciences</i> , 2012, 9, 5243-5259.	3.3	45
72	A nitrogen sensitive model of leaf carbon dioxide and water vapour gas exchange: application to 13 key species from differently managed mountain grassland ecosystems. <i>Ecological Modelling</i> , 1998, 113, 179-199.	2.5	43

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73	Redefinition and global estimation of basal ecosystem respiration rate. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	43
74	Composition and activity of nitrifier communities in soil are unresponsive to elevated temperature and CO ₂ , but strongly affected by drought. <i>ISME Journal</i> , 2020, 14, 3038-3053.	9.8	43
75	Seasonal and spatial variation of woody tissue respiration in a <i>Pinus cembra</i> tree at the alpine timberline in the central Austrian Alps. <i>Trees - Structure and Function</i> , 2004, 18, 576.	1.9	42
76	Disentangling leaf area and environmental effects on the response of the net ecosystem CO ₂ exchange to diffuse radiation. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	40
77	Free and protected soil organic carbon dynamics respond differently to abandonment of mountain grassland. <i>Biogeosciences</i> , 2012, 9, 853-865.	3.3	40
78	Importance of nondiffusive transport for soil CO ₂ efflux in a temperate mountain grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 502-512.	3.0	38
79	Predicting habitat affinities of plant species using commonly measured functional traits. <i>Journal of Vegetation Science</i> , 2017, 28, 1082-1095.	2.2	38
80	The imprint of plants on ecosystem functioning: A data-driven approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 43, 119-131.	2.8	37
81	Plant community structure and nitrogen inputs modulate the climate signal on leaf traits. <i>Global Ecology and Biogeography</i> , 2017, 26, 1138-1152.	5.8	37
82	Using research networks to create the comprehensive datasets needed to assess nutrient availability as a key determinant of terrestrial carbon cycling. <i>Environmental Research Letters</i> , 2018, 13, 125006.	5.2	36
83	Influence of plant traits, soil microbial properties, and abiotic parameters on nitrogen turnover of grassland ecosystems. <i>Ecosphere</i> , 2016, 7, e01448.	2.2	34
84	Patterns in CO ₂ gas exchange capacity of grassland ecosystems in the Alps. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 51-68.	4.8	33
85	A systemic overreaction to years versus decades of warming in a subarctic grassland ecosystem. <i>Nature Ecology and Evolution</i> , 2020, 4, 101-108.	7.8	33
86	Warming and elevated CO ₂ intensify drought and recovery responses of grassland carbon allocation to soil respiration. <i>Global Change Biology</i> , 2021, 27, 3230-3243.	9.5	33
87	ECOMONT: a combined approach of field measurements and process-based modelling for assessing effects of land-use changes in mountain landscapes. <i>Ecological Modelling</i> , 1998, 113, 167-178.	2.5	32
88	Circadian rhythms have significant effects on leaf-to-canopy scale gas exchange under field conditions. <i>GigaScience</i> , 2016, 5, 43.	6.4	31
89	Drought and recovery effects on belowground respiration dynamics and the partitioning of recent carbon in managed and abandoned grassland. <i>Global Change Biology</i> , 2020, 26, 4366-4378.	9.5	31
90	Microbial growth and carbon use efficiency show seasonal responses in a multifactorial climate change experiment. <i>Communications Biology</i> , 2020, 3, 584.	4.4	30

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91	Field experiments underestimate aboveground biomass response to drought. <i>Nature Ecology and Evolution</i> , 2022, 6, 540-545.	7.8	30
92	Potential and limitations of inferring ecosystem photosynthetic capacity from leaf functional traits. <i>Ecology and Evolution</i> , 2016, 6, 7352-7366.	1.9	29
93	Relationships between plant-soil feedbacks and functional traits. <i>Journal of Ecology</i> , 2021, 109, 3411-3423.	4.0	29
94	Advancing the Understanding of Adaptive Capacity of Social-Ecological Systems to Absorb Climate Extremes. <i>Earth's Future</i> , 2020, 8, e2019EF001221.	6.3	28
95	Title is missing!. <i>Pirineos</i> , 1996, 147-148, 145-172.	0.6	28
96	Soil properties as key predictors of global grassland production: Have we overlooked micronutrients?. <i>Ecology Letters</i> , 2021, 24, 2713-2725.	6.4	28
97	Canopy structure versus physiology effects on net photosynthesis of mountain grasslands differing in land use. <i>Ecological Modelling</i> , 2003, 170, 407-426.	2.5	27
98	Influences of changing land use and CO ₂ concentration on ecosystem and landscape level carbon and water balances in mountainous terrain of the Stubai Valley, Austria. <i>Global and Planetary Change</i> , 2009, 67, 29-43.	3.5	27
99	Vegetation effects on the water balance of mountain grasslands depend on climatic conditions. <i>Ecohydrology</i> , 2015, 8, 552-569.	2.4	25
100	Contrasting drivers of belowground nitrogen cycling in a montane grassland exposed to a multifactorial global change experiment with elevated CO ₂ , warming, and drought. <i>Global Change Biology</i> , 2022, 28, 2425-2441.	9.5	25
101	Land-use change in subalpine grassland soils: Effect on particulate organic carbon fractions and aggregation. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 401-409.	1.9	24
102	Night and day - Circadian regulation of night-time dark respiration and light-enhanced dark respiration in plant leaves and canopies. <i>Environmental and Experimental Botany</i> , 2017, 137, 14-25.	4.2	23
103	A model of whole plant gas exchange for herbaceous species from mountain grassland sites differing in land use. <i>Ecological Modelling</i> , 2000, 125, 173-201.	2.5	22
104	Experimental assessment of the contribution of plant root respiration to the emission of carbon dioxide from the soil. <i>Eurasian Soil Science</i> , 2010, 43, 1373-1381.	1.6	22
105	Does the leaf economic spectrum hold within plant functional types? A Bayesian multivariate trait meta-analysis. <i>Ecological Applications</i> , 2020, 30, e02064.	3.8	22
106	Effects of Land-Use Changes on Sources, Sinks and Fluxes of Carbon in European Mountain Grasslands. <i>Ecosystems</i> , 2008, 11, 1335-1337.	3.4	21
107	Drought soil legacy alters drivers of plant diversity-productivity relationships in oldfield systems. <i>Science Advances</i> , 2022, 8, eabn3368.	10.3	21
108	Respiratory fluxes in a Canary Islands pine forest. <i>Tree Physiology</i> , 2009, 29, 457-466.	3.1	20

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109	Soil Carbon and Nitrogen Turnover at and below the Elevational Treeline in Northern Fennoscandia. <i>Arctic and Alpine Research</i> , 1991, 23, 279.	1.3	19
110	Decomposing the land-use specific response of plant functional traits along environmental gradients. <i>Science of the Total Environment</i> , 2017, 599-600, 750-759.	8.0	19
111	Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. <i>Ecology Letters</i> , 2021, 24, 970-983.	6.4	19
112	Management versus site effects on the abundance of nitrifiers and denitrifiers in European mountain grasslands. <i>Science of the Total Environment</i> , 2019, 648, 745-753.	8.0	18
113	A multisite analysis of temporal random errors in soil CO ₂ efflux. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 737-751.	3.0	17
114	Designing an experiment with quantitative treatment factors to study the effects of climate change. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 584-592.	3.5	17
115	Determination of root and microbial contributions to the CO ₂ emission from soil by the substrate-induced respiration method. <i>Eurasian Soil Science</i> , 2010, 43, 321-327.	1.6	16
116	Prediction of annual soil respiration from its flux at mean annual temperature. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107961.	4.8	16
117	Land-use and abandonment alters methane and nitrous oxide fluxes in mountain grasslands. <i>Science of the Total Environment</i> , 2018, 628-629, 997-1008.	8.0	15
118	The Use of the Ratio between the Photosynthesis Parameters P _{max} and V _{cmax} for Scaling up Photosynthesis of C ₃ Plants from Leaves to Canopies: A Critical Examination of Different Modelling Approaches. <i>Journal of Theoretical Biology</i> , 1999, 200, 163-181.	1.7	14
119	Trace gas fluxes from managed grassland soil subject to multifactorial climate change manipulation. <i>Applied Soil Ecology</i> , 2019, 137, 1-11.	4.3	14
120	Post-drought rewetting triggers substantial K release and shifts in leaf stoichiometry in managed and abandoned mountain grasslands. <i>Plant and Soil</i> , 2020, 448, 353-368.	3.7	14
121	Different functional characteristics can explain different dimensions of plant invasion success. <i>Journal of Ecology</i> , 2021, 109, 1524-1536.	4.0	14
122	Understanding ecosystems of the future will require more than realistic climate change experiments – A response to Korell et al.. <i>Global Change Biology</i> , 2020, 26, e6-e7.	9.5	12
123	Long-term warming reduced microbial biomass but increased recent plant-derived C in microbes of a subarctic grassland. <i>Soil Biology and Biochemistry</i> , 2022, 167, 108590.	8.8	12
124	Corrigendum to ‘‘Can current moisture responses predict soil CO ₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments’’. <i>Biogeosciences</i> , 2014, 11, 3307-3308.	3.3	10
125	Short-term carbon allocation dynamics in subalpine dwarf shrubs and their responses to experimental summer drought. <i>Environmental and Experimental Botany</i> , 2017, 141, 92-102.	4.2	10
126	Responses of grassland soil CO ₂ production and fluxes to drought are shifted in a warmer climate under elevated CO ₂ . <i>Soil Biology and Biochemistry</i> , 2021, 163, 108436.	8.8	10

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127	Shrub expansion modulates belowground impacts of changing snow conditions in alpine grasslands. <i>Ecology Letters</i> , 2022, 25, 52-64.	6.4	10
128	Negative priming of soil organic matter following long-term in situ warming of sub-arctic soils. <i>Geoderma</i> , 2022, 410, 115652.	5.1	10
129	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
130	Drought-induced reduction in uptake of recently photosynthesized carbon by springtails and mites in alpine grassland. <i>Soil Biology and Biochemistry</i> , 2012, 55, 37-39.	8.8	9
131	Accounting for Complexity in Resilience Comparisons: A Reply to Yeung and Richardson, and Further Considerations. <i>Trends in Ecology and Evolution</i> , 2018, 33, 649-651.	8.7	9
132	Glacier forelands reveal fundamental plant and microbial controls on short-term ecosystem nitrogen retention. <i>Journal of Ecology</i> , 2021, 109, 3710-3723.	4.0	9
133	Branch water uptake and redistribution in two conifers at the alpine treeline. <i>Scientific Reports</i> , 2021, 11, 22560.	3.3	9
134	Preface: Climate extremes and biogeochemical cycles in the terrestrial biosphere: impacts and feedbacks across scales. <i>Biogeosciences</i> , 2015, 12, 4827-4830.	3.3	8
135	Circadian Regulation Does Not Optimize Stomatal Behaviour. <i>Plants</i> , 2020, 9, 1091.	3.5	8
136	A hierarchical, multivariate meta-analysis approach to synthesising global change experiments. <i>New Phytologist</i> , 2021, 231, 2382-2394.	7.3	8
137	Synthesis: emerging issues and challenges for an integrated understanding of soil carbon fluxes. , 2010, , 257-271.		7
138	Circadian rhythms regulate the environmental responses of net CO ₂ exchange in bean and cotton canopies. <i>Agricultural and Forest Meteorology</i> , 2017, 239, 185-191.	4.8	6
139	Preface "Stable Isotopes and Biogeochemical Cycles in Terrestrial Ecosystems". <i>Biogeosciences</i> , 2012, 9, 3979-3981.	3.3	5
140	Artificial Top Soil Drought Hardly Affects Water Use of <i>Picea abies</i> and <i>Larix decidua</i> Saplings at the Treeline in the Austrian Alps. <i>Forests</i> , 2019, 10, 777.	2.1	5
141	Disentangling climate from soil nutrient effects on plant biomass production using a multispecies phytometer. <i>Ecosphere</i> , 2021, 12, e03719.	2.2	5
142	The "Gas-Snake"™: Design and validation of a versatile membrane-based gas flux measurement system in a grassland soil respiration study. <i>Agricultural and Forest Meteorology</i> , 2012, 154-155, 166-173.	4.8	4
143	Long-Term Socio-ecological Research in Mountain Regions: Perspectives from the Tyrolean Alps. , 2013, , 505-525.		4
144	Amplifying effects of recurrent drought on the dynamics of tree growth and water use in a subalpine forest. <i>Plant, Cell and Environment</i> , 2022, 45, 2617-2635.	5.7	3

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145	Preface "Biotic interactions and biogeochemical processes in the soil environment". Biogeosciences, 2012, 9, 1823-1825.	3.3	2
146	Adaptive capacity of coupled social-ecological systems to absorb climate extremes. , 2020, , 257-278.		1
147	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO ₂ production and efflux across multiple vegetation types. , 2010, 20, 100319061507001.		1