

Russell K Monson

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6066781/russell-k-monson-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143
papers

14,339
citations

66
h-index

118
g-index

147
ext. papers

15,724
ext. citations

6.6
avg, IF

6.18
L-index

#	Paper	IF	Citations
143	Isoprene and monoterpene emission rate variability: Model evaluations and sensitivity analyses. <i>Journal of Geophysical Research</i> , 1993 , 98, 12609		1143
142	Seasonality of ecosystem respiration and gross primary production as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , 2002 , 113, 53-74	5.8	540
141	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Site Synthesis. <i>Global Change Biology</i> , 2012 , 18, 566-584	11.4	481
140	Isoprene and monoterpene emission rate variability: Observations with eucalyptus and emission rate algorithm development. <i>Journal of Geophysical Research</i> , 1991 , 96, 10799		424
139	Plant-microbe competition for soil amino acids in the alpine tundra: effects of freeze-thaw and dry-rewet events. <i>Oecologia</i> , 1998 , 113, 406-414	2.9	415
138	Winter forest soil respiration controlled by climate and microbial community composition. <i>Nature</i> , 2006 , 439, 711-4	50.4	411
137	Observed increase in local cooling effect of deforestation at higher latitudes. <i>Nature</i> , 2011 , 479, 384-7	50.4	403
136	Isoprene emission from aspen leaves : influence of environment and relation to photosynthesis and photorespiration. <i>Plant Physiology</i> , 1989 , 90, 267-74	6.6	316
135	Stable isotopes in tree rings: towards a mechanistic understanding of isotope fractionation and mixing processes from the leaves to the wood. <i>Tree Physiology</i> , 2014 , 34, 796-818	4.2	286
134	Increased CO2 uncouples growth from isoprene emission in an agriforest ecosystem. <i>Nature</i> , 2003 , 421, 256-9	50.4	274
133	LINKS BETWEEN MICROBIAL POPULATION DYNAMICS AND NITROGEN AVAILABILITY IN AN ALPINE ECOSYSTEM. <i>Ecology</i> , 1999 , 80, 1623-1631	4.6	269
132	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
131	Longer growing seasons lead to less carbon sequestration by a subalpine forest. <i>Global Change Biology</i> , 2010 , 16, 771-783	11.4	244
130	Differential controls by climate and substrate over the heterotrophic and rhizospheric components of soil respiration. <i>Global Change Biology</i> , 2006 , 12, 205-216	11.4	239
129	Relationships among Isoprene Emission Rate, Photosynthesis, and Isoprene Synthase Activity as Influenced by Temperature. <i>Plant Physiology</i> , 1992 , 98, 1175-80	6.6	234
128	A model-data intercomparison of CO2 exchange across North America: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2010 , 115,		216
127	On the use of MODIS EVI to assess gross primary productivity of North American ecosystems. <i>Journal of Geophysical Research</i> , 2006 , 111,		215

126	Carbon availability and temperature control the post-snowmelt decline in alpine soil microbial biomass. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 441-448	7.5	193
125	Ecological and evolutionary aspects of isoprene emission from plants. <i>Oecologia</i> , 1999 , 118, 109-123	2.9	193
124	Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 1827-1847	5.8	191
123	The effects of tree rhizodeposition on soil exoenzyme activity, dissolved organic carbon, and nutrient availability in a subalpine forest ecosystem. <i>Oecologia</i> , 2007 , 154, 327-38	2.9	181
122	Partitioning net ecosystem carbon exchange with isotopic fluxes of CO ₂ . <i>Global Change Biology</i> , 2001 , 7, 127-145	11.4	164
121	SEASONAL PARTITIONING OF NITROGEN BY PLANTS AND SOIL MICROORGANISMS IN AN ALPINE ECOSYSTEM. <i>Ecology</i> , 1999 , 80, 1883-1891	4.6	158
120	Patterns of induced and constitutive monoterpene production in conifer needles in relation to insect herbivory. <i>Oecologia</i> , 1998 , 114, 531-540	2.9	154
119	Climatic influences on net ecosystem CO ₂ exchange during the transition from wintertime carbon source to springtime carbon sink in a high-elevation, subalpine forest. <i>Oecologia</i> , 2005 , 146, 130-47	2.9	152
118	A multiyear evaluation of a Dynamic Global Vegetation Model at three AmeriFlux forest sites: Vegetation structure, phenology, soil temperature, and CO ₂ and H ₂ O vapor exchange. <i>Ecological Modelling</i> , 2006 , 196, 1-31	3	147
117	Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 60-69	5.8	145
116	SOIL AMINO ACID UTILIZATION AMONG SPECIES OF THE CYPERACEAE: PLANT AND SOIL PROCESSES. <i>Ecology</i> , 1999 , 80, 2408-2419	4.6	143
115	Spatial and temporal controls of soil respiration rate in a high-elevation, subalpine forest. <i>Soil Biology and Biochemistry</i> , 2003 , 35, 525-534	7.5	141
114	Non-mycorrhizal uptake of amino acids by roots of the alpine sedge <i>Kobresia myosuroides</i> : implications for the alpine nitrogen cycle. <i>Oecologia</i> , 1996 , 108, 488-494	2.9	141
113	Response of isoprene emission to ambient CO ₂ changes and implications for global budgets. <i>Global Change Biology</i> , 2009 , 15, 1127-1140	11.4	138
112	Phase and amplitude of ecosystem carbon release and uptake potentials as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , 2002 , 113, 75-95	5.8	136
111	Isoprene emission rate and intercellular isoprene concentration as influenced by stomatal distribution and conductance. <i>Plant Physiology</i> , 1992 , 100, 987-92	6.6	134
110	Gap-filling missing data in eddy covariance measurements using multiple imputation (MI) for annual estimations. <i>Agricultural and Forest Meteorology</i> , 2004 , 121, 93-111	5.8	127
109	Photosynthetic Characteristics of C(3)-C(4) Intermediate Flaveria Species : I. Leaf Anatomy, Photosynthetic Responses to O(2) and CO(2), and Activities of Key Enzymes in the C(3) and C(4) Pathways. <i>Plant Physiology</i> , 1983 , 71, 944-8	6.6	127

108	Airflows and turbulent flux measurements in mountainous terrain. <i>Agricultural and Forest Meteorology</i> , 2003 , 119, 1-21	5.8	126
107	C3- C4Intermediate Photosynthesis in Plants. <i>BioScience</i> , 1984 , 34, 563-574	5.7	123
106	Leaf isoprene emission rate as a function of atmospheric CO2 concentration. <i>Global Change Biology</i> , 2009 , 15, 1189-1200	11.4	121
105	Ecohydrological controls on snowmelt partitioning in mixed-conifer sub-alpine forests. <i>Ecohydrology</i> , 2009 , 2, 129-142	2.5	118
104	Carbon Gain by Plants in Natural EnvironmentsCarbon assimilation analysis provides an understanding of how plants function in diverse environments. <i>BioScience</i> , 1987 , 37, 21-29	5.7	117
103	Temperature Dependence of Photosynthesis in <i>Agropyron smithii</i> Rydb. : I. FACTORS AFFECTING NET CO(2) UPTAKE IN INTACT LEAVES AND CONTRIBUTION FROM RIBULOSE-1,5-BISPHOSPHATE CARBOXYLASE MEASURED IN VIVO AND IN VITRO. <i>Plant Physiology</i> , 1982 , 69, 921-8	6.6	116
102	Changing the way we think about global change research: scaling up in experimental ecosystem science. <i>Global Change Biology</i> , 2004 , 10, 393-407	11.4	109
101	Isoprene emission from terrestrial ecosystems in response to global change: minding the gap between models and observations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 1677-95	3	108
100	Biological aspects of constructing volatile organic compound emission inventories. <i>Atmospheric Environment</i> , 1995 , 29, 2989-3002	5.3	108
99	Biospheric Trace Gas Fluxes and Their Control Over Tropospheric Chemistry. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2001 , 32, 547-576		103
98	Midday values of gross CO2 flux and light use efficiency during satellite overpasses can be used to directly estimate eight-day mean flux. <i>Agricultural and Forest Meteorology</i> , 2005 , 131, 1-12	5.8	99
97	Biochemistry and physiology of foliar isoprene production. <i>Trends in Plant Science</i> , 2000 , 5, 477-81	13.1	98
96	Coupling between carbon cycling and climate in a high-elevation, subalpine forest: a model-data fusion analysis. <i>Oecologia</i> , 2007 , 151, 54-68	2.9	97
95	Modeling the isoprene emission rate from leaves. <i>New Phytologist</i> , 2012 , 195, 541-559	9.8	96
94	Estimating sublimation of intercepted and sub-canopy snow using eddy covariance systems. <i>Hydrological Processes</i> , 2007 , 21, 1567-1575	3.3	93
93	Why only some plants emit isoprene. <i>Plant, Cell and Environment</i> , 2013 , 36, 503-16	8.4	89
92	The trade-off between growth rate and yield in microbial communities and the consequences for under-snow soil respiration in a high elevation coniferous forest. <i>Biogeochemistry</i> , 2009 , 95, 23-35	3.8	89
91	Carbon sequestration studied in western U.S. mountains. <i>Eos</i> , 2002 , 83, 445	1.5	89

90	Within-plant isoprene oxidation confirmed by direct emissions of oxidation products methyl vinyl ketone and methacrolein. <i>Global Change Biology</i> , 2012 , 18, 973-984	11.4	87
89	Emissions of volatile organic compounds during the decomposition of plant litter. <i>Journal of Geophysical Research</i> , 2010 , 115,		87
88	Model-data synthesis of diurnal and seasonal CO2 fluxes at Niwot Ridge, Colorado. <i>Global Change Biology</i> , 2006 , 12, 240-259	11.4	85
87	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. <i>Global Change Biology</i> , 2009 , 15, 2905-2920	11.4	84
86	Ecological Controls over Monoterpene Emissions from Douglas-Fir (<i>Pseudotsuga Menziesii</i>). <i>Ecology</i> , 1995 , 76, 2640-2647	4.6	84
85	CO2 transport over complex terrain. <i>Agricultural and Forest Meteorology</i> , 2007 , 145, 1-21	5.8	83
84	Leaf uptake of nitrogen dioxide (NO2) in a tropical wet forest: implications for tropospheric chemistry. <i>Oecologia</i> , 2001 , 127, 214-221	2.9	80
83	The contribution of beneath-snow soil respiration to total ecosystem respiration in a high-elevation, subalpine forest. <i>Global Biogeochemical Cycles</i> , 2006 , 20, n/a-n/a	5.9	79
82	Persistent reduced ecosystem respiration after insect disturbance in high elevation forests. <i>Ecology Letters</i> , 2013 , 16, 731-7	10	78
81	The relationship between isoprene emission rate and dark respiration rate in white poplar (<i>Populus alba</i> L.) leaves. <i>Plant, Cell and Environment</i> , 2007 , 30, 662-9	8.4	76
80	The contribution of advective fluxes to net ecosystem exchange in a high-elevation, subalpine forest 2008 , 18, 1379-90		70
79	Controls over monoterpene emissions from boreal forest conifers. <i>Tree Physiology</i> , 1997 , 17, 563-569	4.2	68
78	Partitioning controls on Amazon forest photosynthesis between environmental and biotic factors at hourly to interannual timescales. <i>Global Change Biology</i> , 2017 , 23, 1240-1257	11.4	66
77	Modelling changes in VOC emission in response to climate change in the continental United States. <i>Global Change Biology</i> , 1999 , 5, 791-806	11.4	65
76	Estimating transpiration and the sensitivity of carbon uptake to water availability in a subalpine forest using a simple ecosystem process model informed by measured net CO2 and H2O fluxes. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 1467-1477	5.8	63
75	Monoterpene emission from coniferous trees in response to elevated CO2 concentration and climate warming. <i>Global Change Biology</i> , 1999 , 5, 252-267	11.4	63
74	Biogenic Hydrocarbon Chemistry within and Above a Mixed Deciduous Forest. <i>Journal of Atmospheric Chemistry</i> , 2007 , 56, 165-185	3.2	62
73	The uptake of gaseous organic nitrogen by leaves: A significant global nitrogen transfer process. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	62

72	Seasonal Water Potential Components of Sonoran Desert Plants. <i>Ecology</i> , 1982 , 63, 113-123	4.6	61
71	Modeling and measuring the nocturnal drainage flow in a high-elevation, subalpine forest with complex terrain. <i>Journal of Geophysical Research</i> , 2005 , 110,		60
70	Thermotolerance of leaf discs from four isoprene-emitting species is not enhanced by exposure to exogenous isoprene. <i>Plant Physiology</i> , 1999 , 120, 821-6	6.6	58
69	Sexual differences in gas exchange and response to environmental stress in dioecious <i>Silene latifolia</i> (Caryophyllaceae) 1994 , 81, 166		58
68	A comparison of water and carbon dioxide exchange at a windy alpine tundra and subalpine forest site near Niwot Ridge, Colorado. <i>Biogeochemistry</i> , 2009 , 95, 61-76	3.8	57
67	Isoprene research - 60 years later, the biology is still enigmatic. <i>Plant, Cell and Environment</i> , 2017 , 40, 1671-1678	8.4	56
66	Adaptive significance of nitrogen storage in <i>Bistorta bistortoides</i> , an alpine herb. <i>Oecologia</i> , 1992 , 92, 578-585	2.9	54
65	Midday depression in net photosynthesis and stomatal conductance in <i>Yucca glauca</i> : Relative contributions of leaf temperature and leaf-to-air water vapor concentration difference. <i>Oecologia</i> , 1985 , 67, 380-387	2.9	53
64	The future of isoprene emission from leaves, canopies and landscapes. <i>Plant, Cell and Environment</i> , 2014 , 37, 1727-40	8.4	52
63	Modeling whole-tree carbon assimilation rate using observed transpiration rates and needle sugar carbon isotope ratios. <i>New Phytologist</i> , 2010 , 185, 1000-15	9.8	51
62	Airflows and turbulent flux measurements in mountainous terrain: Part 2: Mesoscale effects. <i>Agricultural and Forest Meteorology</i> , 2004 , 125, 187-205	5.8	50
61	Latitudinal gradients in tree ring stable carbon and oxygen isotopes reveal differential climate influences of the North American Monsoon System. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1978-1991	3.7	48
60	Enhanced isoprene-related tolerance of heat- and light-stressed photosynthesis at low, but not high, CO ₂ concentrations. <i>Oecologia</i> , 2011 , 166, 273-82	2.9	48
59	Tree species effects on ecosystem water-use efficiency in a high-elevation, subalpine forest. <i>Oecologia</i> , 2010 , 162, 491-504	2.9	47
58	Field measurements of photosynthesis, water-use efficiency, and growth in <i>Agropyron smithii</i> (C) and <i>Bouteloua gracilis</i> (C) in the Colorado shortgrass steppe. <i>Oecologia</i> , 1986 , 68, 400-409	2.9	47
57	Fluxes of energy, water, and carbon dioxide from mountain ecosystems at Niwot Ridge, Colorado. <i>Plant Ecology and Diversity</i> , 2015 , 8, 663-676	2.2	42
56	Contribution of various carbon sources toward isoprene biosynthesis in poplar leaves mediated by altered atmospheric CO ₂ concentrations. <i>PLoS ONE</i> , 2012 , 7, e32387	3.7	41
55	Scaling Isoprene Fluxes from Leaves to Canopies: Test Cases over a Boreal Aspen and a Mixed Species Temperate Forest. <i>Journal of Applied Meteorology and Climatology</i> , 1999 , 38, 885-898		41

54	Earlier snowmelt reduces atmospheric carbon uptake in midlatitude subalpine forests. <i>Geophysical Research Letters</i> , 2016 , 43, 8160-8168	4.9	41
53	The relative contributions of reduced photorespiration, and improved water-and nitrogen-use efficiencies, to the advantages of C-C intermediate photosynthesis in <i>Flaveria</i> . <i>Oecologia</i> , 1989 , 80, 215-221	2.9	40
52	Atmospheric Stability Effects on Wind Fields and Scalar Mixing Within and Just Above a Subalpine Forest in Sloping Terrain. <i>Boundary-Layer Meteorology</i> , 2011 , 138, 231-262	3.4	39
51	Canopy structure and atmospheric flows in relation to the $\delta^{13}C$ of respired CO ₂ in a subalpine coniferous forest. <i>Agricultural and Forest Meteorology</i> , 2008 , 148, 592-605	5.8	39
50	Supply and demand processes as controls over needle monoterpene synthesis and concentration in Douglas fir [<i>Pseudotsuga menziesii</i> (Mirb.) Franco]. <i>Oecologia</i> , 2002 , 132, 382-391	2.9	39
49	Controls over ozone deposition to a high elevation subalpine forest. <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 1447-1459	5.8	35
48	The interacting effects of elevated atmospheric CO ₂ concentration, drought and leaf-to-air vapour pressure deficit on ecosystem isoprene fluxes. <i>Oecologia</i> , 2005 , 146, 120-9	2.9	35
47	Disentangling seasonal and interannual legacies from inferred patterns of forest water and carbon cycling using tree-ring stable isotopes. <i>Global Change Biology</i> , 2018 , 24, 5332-5347	11.4	34
46	Snow Temperature Changes within a Seasonal Snowpack and Their Relationship to Turbulent Fluxes of Sensible and Latent Heat. <i>Journal of Hydrometeorology</i> , 2014 , 15, 117-142	3.7	33
45	Nitrogen and carbon storage in alpine plants. <i>Integrative and Comparative Biology</i> , 2006 , 46, 35-48	2.8	31
44	Beyond greenness: Detecting temporal changes in photosynthetic capacity with hyperspectral reflectance data. <i>PLoS ONE</i> , 2017 , 12, e0189539	3.7	30
43	Some like it hot: the physiological ecology of C plant evolution. <i>Oecologia</i> , 2018 , 187, 941-966	2.9	30
42	Seasonal pattern of regional carbon balance in the central Rocky Mountains from surface and airborne measurements. <i>Journal of Geophysical Research</i> , 2011 , 116,		29
41	Ectomycorrhizal transfer of amino acid-nitrogen to the alpine sedge <i>Kobresia myosuroides</i> . <i>New Phytologist</i> , 1999 , 142, 163-167	9.8	29
40	Biotic and abiotic controls on biogenic volatile organic compound fluxes from a subalpine forest floor. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 547-556	3.7	28
39	Volatile organic compound emissions from terrestrial ecosystems: A primary biological control over atmospheric chemistry. <i>Israel Journal of Chemistry</i> , 2002 , 42, 29-42	3.4	28
38	Sexual differences in gas exchange and response to environmental stress in dioecious <i>Silene latifolia</i> (Caryophyllaceae). <i>American Journal of Botany</i> , 1994 , 81, 166-174	2.7	27
37	Perspectives on next-generation technology for environmental sensor networks. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, 193-200	5.5	26

36	The effect of elevated CO ₂ , soil and atmospheric water deficit and seasonal phenology on leaf and ecosystem isoprene emission. <i>Functional Plant Biology</i> , 2007 , 34, 774-784	2.7	25
35	HERBIVORE-INDUCED MONOTERPENE EMISSIONS FROM CONIFEROUS FORESTS: POTENTIAL IMPACT ON LOCAL TROPOSPHERIC CHEMISTRY 1999 , 9, 1147-1159		24
34	EXPERIMENTAL STUDIES OF PONDEROSA PINE. III. DIFFERENCES IN PHOTOSYNTHESIS, STOMATAL CONDUCTANCE, AND WATER-USE EFFICIENCY BETWEEN TWO GENETIC LINES. <i>American Journal of Botany</i> , 1989 , 76, 1041-1047	2.7	23
33	Variation among different genotypes of hybrid poplar with regard to leaf volatile organic compound emissions 2012 , 22, 1865-75		22
32	A nonparametric method for separating photosynthesis and respiration components in CO ₂ flux measurements. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	21
31	PHOTOSYNTHETIC CHARACTERISTICS OF C ₃ -C ₄ INTERMEDIATE FLAVERIA FLORIDANA (ASTERACEAE) IN NATURAL HABITATS: EVIDENCE OF ADVANTAGES TO C ₃ -C ₄ PHOTOSYNTHESIS AT HIGH LEAF TEMPERATURES. <i>American Journal of Botany</i> , 1991 , 78, 795-800	2.7	21
30	Physiological Reality in Relation to Ecosystem- and Global-Level Estimates of Isoprene Emission 1991 , 185-207		19
29	Climate controls over ecosystem metabolism: insights from a fifteen-year inductive artificial neural network synthesis for a subalpine forest. <i>Oecologia</i> , 2017 , 184, 25-41	2.9	17
28	Changes in soil biogeochemistry following disturbance by girdling and mountain pine beetles in subalpine forests. <i>Oecologia</i> , 2015 , 177, 981-95	2.9	17
27	An interannual assessment of the relationship between the stable carbon isotopic composition of ecosystem respiration and climate in a high-elevation subalpine forest. <i>Journal of Geophysical Research</i> , 2011 , 116,		17
26	High productivity in hybrid-poplar plantations without isoprene emission to the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1596-1605	11.5	17
25	Leaf isoprene emission as a trait that mediates the growth-defense tradeoff in the face of climate stress. <i>Oecologia</i> , 2021 , 197, 885-902	2.9	16
24	Joint data assimilation of satellite reflectance and net ecosystem exchange data constrains ecosystem carbon fluxes at a high-elevation subalpine forest. <i>Agricultural and Forest Meteorology</i> , 2014 , 195-196, 73-88	5.8	15
23	Metabolic and Gene Expression Controls on the Production of Biogenic Volatile Organic Compounds. <i>Tree Physiology</i> , 2013 , 153-179		15
22	Weather and climate controls over the seasonal carbon isotope dynamics of sugars from subalpine forest trees. <i>Plant, Cell and Environment</i> , 2010 , 33, 35-47	8.4	15
21	Night-time respiration rate and leaf carbohydrate concentrations are not coupled in two alpine perennial species. <i>New Phytologist</i> , 2001 , 149, 419-430	9.8	15
20	EXPERIMENTAL STUDIES OF PONDEROSA PINE. III. DIFFERENCES IN PHOTOSYNTHESIS, STOMATAL CONDUCTANCE, AND WATER-USE EFFICIENCY BETWEEN TWO GENETIC LINES 1989 , 76, 1041		14
19	PHOTOSYNTHETIC CHARACTERISTICS OF C ₃ -C ₄ INTERMEDIATE FLAVERIA FLORIDANA (ASTERACEAE) IN NATURAL HABITATS: EVIDENCE OF ADVANTAGES TO C ₃ -C ₄ PHOTOSYNTHESIS AT HIGH LEAF TEMPERATURES 1991 , 78, 795		13

18	Interactions between temperature and intercellular CO concentration in controlling leaf isoprene emission rates. <i>Plant, Cell and Environment</i> , 2016 , 39, 2404-2413	8.4	12
17	Differential controls by climate and physiology over the emission rates of biogenic volatile organic compounds from mature trees in a semi-arid pine forest. <i>Oecologia</i> , 2016 , 180, 345-58	2.9	12
16	Forecasting net ecosystem CO ₂ exchange in a subalpine forest using model data assimilation combined with simulated climate and weather generation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 549-565	3.7	11
15	Flux determinations and physiological response in the exposure of red spruce to gaseous hydrogen peroxide, ozone, and sulphur dioxide. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1990 , 42, 183-199	3.3	9
14	The Niwot Ridge Subalpine Forest US-NR1 AmeriFlux site [Part I]: Data acquisition and site record-keeping. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016 , 5, 451-471	1.5	9
13	Differential responses of carbon and water vapor fluxes to climate among evergreen needleleaf forests in the USA. <i>Ecological Processes</i> , 2016 , 5,	3.6	8
12	A field study of photosynthetic temperature acclimation in <i>Carex eleocharis</i> Bailey. <i>Plant, Cell and Environment</i> , 1984 , 7, 301-308	8.4	8
11	Conifer Monoterpene Chemistry during an Outbreak Enhances Consumption and Immune Response of an Eruptive Folivore. <i>Journal of Chemical Ecology</i> , 2016 , 42, 1281-1292	2.7	8
10	A branch chamber system and techniques for simultaneous pollutant exposure experiments and gaseous flux determinations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1990 , 42, 170-182	3.3	7
9	LINKS BETWEEN MICROBIAL POPULATION DYNAMICS AND NITROGEN AVAILABILITY IN AN ALPINE ECOSYSTEM 1999 , 80, 1623		7
8	The many faces of plant carbon relations: forging an ecophysiological identity in the age of human influence. <i>New Phytologist</i> , 2003 , 157, 167-170	9.8	5
7	Seasonal and diurnal trends in progressive isotope enrichment along needles in two pine species. <i>Plant, Cell and Environment</i> , 2021 , 44, 143-155	8.4	5
6	Coordinated resource allocation to plant growth-defense tradeoffs. <i>New Phytologist</i> , 2021 ,	9.8	4
5	HERBIVORE-INDUCED MONOTERPENE EMISSIONS FROM CONIFEROUS FORESTS: POTENTIAL IMPACT ON LOCAL TROPOSPHERIC CHEMISTRY 1999 , 9, 1147		1
4	Vapor pressure deficit helps explain biogenic volatile organic compound fluxes from the forest floor and canopy of a temperate deciduous forest. <i>Oecologia</i> , 2021 , 197, 971-988	2.9	1
3	Reactions of Biogenic Volatile Organic Compounds in the Atmosphere 2010 , 363-388		0
2	Heterogeneous isotope effects decouple conifer leaf and branch sugar D and T.. <i>Oecologia</i> , 2022 , 198, 357	2.9	0
1	Isoprenoid Metabolism 2004 , 625-628		

