

# Russell K Monson

## List of Publications by Year in descending order

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144  
papers

17,615  
citations

11651

70  
h-index

14208

128  
g-index

147  
all docs

147  
docs citations

147  
times ranked

13648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux determinations and physiological response in the exposure of red spruce to gaseous hydrogen peroxide, ozone, and sulfur dioxide. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 42, 183.	1.6	11
2	Coordinated resource allocation to plant growthâ€“defense tradeoffs. <i>New Phytologist</i> , 2022, 233, 1051-1066.	7.3	63
3	Heterogeneous isotope effects decouple conifer leaf and branch sugar $\delta^{18}O$ and $\delta^{13}C$ . <i>Oecologia</i> , 2022, 198, 357-370.	2.0	2
4	Seasonal and diurnal trends in progressive isotope enrichment along needles in two pine species. <i>Plant, Cell and Environment</i> , 2021, 44, 143-155.	5.7	6
5	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.	2.0	45
6	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.	2.0	4
7	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.	7.1	31
8	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
9	Some like it hot: the physiological ecology of C4 plant evolution. <i>Oecologia</i> , 2018, 187, 941-966.	2.0	75
10	Preface: Honoring the career of Professor James R. Ehleringer. <i>Oecologia</i> , 2018, 187, 875-878.	2.0	0
11	Disentangling seasonal and interannual legacies from inferred patterns of forest water and carbon cycling using treeâ€“ring stable isotopes. <i>Global Change Biology</i> , 2018, 24, 5332-5347.	9.5	52
12	Isoprene research â€“ 60 years later, the biology is still enigmatic. <i>Plant, Cell and Environment</i> , 2017, 40, 1671-1678.	5.7	76
13	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.	2.0	22
14	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.	9.5	102
15	Beyond greenness: Detecting temporal changes in photosynthetic capacity with hyperspectral reflectance data. <i>PLoS ONE</i> , 2017, 12, e0189539.	2.5	51
16	The Niwot Ridge Subalpine Forest US-NR1 AmeriFlux site â€“ Part 1: Data acquisition and site record-keeping. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 451-471.	1.6	12
17	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.	1.8	9
18	Earlier snowmelt reduces atmospheric carbon uptake in midlatitude subalpine forests. <i>Geophysical Research Letters</i> , 2016, 43, 8160-8168.	4.0	48

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19	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.	3.0	57
20	Interactions between temperature and intercellular CO <sub>2</sub> concentration in controlling leaf isoprene emission rates. <i>Plant, Cell and Environment</i> , 2016, 39, 2404-2413.	5.7	18
21	Differential responses of carbon and water vapor fluxes to climate among evergreen needleleaf forests in the USA. <i>Ecological Processes</i> , 2016, 5, .	3.9	11
22	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, 345-358.	2.0	14
23	Changes in soil biogeochemistry following disturbance by girdling and mountain pine beetles in subalpine forests. <i>Oecologia</i> , 2015, 177, 981-995.	2.0	18
24	Fluxes of energy, water, and carbon dioxide from mountain ecosystems at Niwot Ridge, Colorado. <i>Plant Ecology and Diversity</i> , 2015, 8, 663-676.	2.4	47
25	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.	3.1	359
26	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.	1.9	38
27	The future of isoprene emission from leaves, canopies and landscapes. <i>Plant, Cell and Environment</i> , 2014, 37, 1727-1740.	5.7	70
28	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.	4.8	19
29	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.	3.0	43
30	Why only some plants emit isoprene. <i>Plant, Cell and Environment</i> , 2013, 36, 503-516.	5.7	116
31	Persistent reduced ecosystem respiration after insect disturbance in high elevation forests. <i>Ecology Letters</i> , 2013, 16, 731-737.	6.4	90
32	Metabolic and Gene Expression Controls on the Production of Biogenic Volatile Organic Compounds. <i>Tree Physiology</i> , 2013, , 153-179.	2.5	17
33	Forecasting net ecosystem CO <sub>2</sub> 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.	3.0	11
34	Variation among different genotypes of hybrid poplar with regard to leaf volatile organic compound emissions. <i>Ecological Applications</i> , 2012, 22, 1865-1875.	3.8	28
35	Modeling the isoprene emission rate from leaves. <i>New Phytologist</i> , 2012, 195, 541-559.	7.3	111
36	Contribution of Various Carbon Sources Toward Isoprene Biosynthesis in Poplar Leaves Mediated by Altered Atmospheric CO <sub>2</sub> Concentrations. <i>PLoS ONE</i> , 2012, 7, e32387.	2.5	47

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37	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.	9.5	583
38	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.	9.5	107
39	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, .	3.3	17
40	Seasonal pattern of regional carbon balance in the central Rocky Mountains from surface and airborne measurements. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	33
41	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.	4.8	157
42	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.	2.3	41
43	Enhanced isoprene-related tolerance of heat- and light-stressed photosynthesis at low, but not high, CO <sub>2</sub> concentrations. <i>Oecologia</i> , 2011, 166, 273-282.	2.0	51
44	Observed increase in local cooling effect of deforestation at higher latitudes. <i>Nature</i> , 2011, 479, 384-387.	27.8	543
45	Tree species effects on ecosystem water-use efficiency in a high-elevation, subalpine forest. <i>Oecologia</i> , 2010, 162, 491-504.	2.0	49
46	Modeling whole-tree carbon assimilation rate using observed transpiration rates and needle sugar carbon isotope ratios. <i>New Phytologist</i> , 2010, 185, 1000-1015.	7.3	58
47	Longer growing seasons lead to less carbon sequestration by a subalpine forest. <i>Global Change Biology</i> , 2010, 16, 771-783.	9.5	286
48	Perspectives on next-generation technology for environmental sensor networks. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 193-200.	4.0	33
49	A model-data intercomparison of CO <sub>2</sub> exchange across North America: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	247
50	Emissions of volatile organic compounds during the decomposition of plant litter. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	115
51	Ecohydrological controls on snowmelt partitioning in mixed-conifer subalpine forests. <i>Ecohydrology</i> , 2009, 2, 129-142.	2.4	137
52	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.	3.5	115
53	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.	3.5	65
54	Response of isoprene emission to ambient CO <sub>2</sub> changes and implications for global budgets. <i>Global Change Biology</i> , 2009, 15, 1127-1140.	9.5	158

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55	Leaf isoprene emission rate as a function of atmospheric CO <sub>2</sub> concentration. <i>Global Change Biology</i> , 2009, 15, 1189-1200.	9.5	144
56	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.	9.5	94
57	Controls over ozone deposition to a high elevation subalpine forest. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1447-1459.	4.8	40
58	Weather and climate controls over the seasonal carbon isotope dynamics of sugars from subalpine forest trees. <i>Plant, Cell and Environment</i> , 2009, 33, 35-47.	5.7	16
59	Canopy structure and atmospheric flows in relation to the $\delta^{13}C$ of respired CO <sub>2</sub> in a subalpine coniferous forest. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 592-605.	4.8	41
60	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 CO <sub>2</sub> and H <sub>2</sub> O fluxes. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1467-1477.	4.8	74
61	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.	4.8	221
62	THE CONTRIBUTION OF ADVECTIVE FLUXES TO NET ECOSYSTEM EXCHANGE IN A HIGH-ELEVATION, SUBALPINE FOREST. <i>Ecological Applications</i> , 2008, 18, 1379-1390.	3.8	81
63	The effect of elevated CO <sub>2</sub> , soil and atmospheric water deficit and seasonal phenology on leaf and ecosystem isoprene emission. <i>Functional Plant Biology</i> , 2007, 34, 774.	2.1	27
64	CO <sub>2</sub> transport over complex terrain. <i>Agricultural and Forest Meteorology</i> , 2007, 145, 1-21.	4.8	93
65	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, 1677-1695.	3.4	121
66	Estimating sublimation of intercepted and sub-canopy snow using eddy covariance systems. <i>Hydrological Processes</i> , 2007, 21, 1567-1575.	2.6	114
67	The relationship between isoprene emission rate and dark respiration rate in white poplar ( <i>Populus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo	5.7	79
68	Biogenic Hydrocarbon Chemistry within and Above a Mixed Deciduous Forest. <i>Journal of Atmospheric Chemistry</i> , 2007, 56, 165-185.	3.2	73
69	Coupling between carbon cycling and climate in a high-elevation, subalpine forest: a model-data fusion analysis. <i>Oecologia</i> , 2007, 151, 54-68.	2.0	105
70	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, 327-338.	2.0	209
71	<i>Oecologia</i> enters a new era. <i>Oecologia</i> , 2007, 153, 207-208.	2.0	0
72	Nitrogen and carbon storage in alpine plants. <i>Integrative and Comparative Biology</i> , 2006, 46, 35-48.	2.0	40

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73	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.	4.9	84
74	On the use of MODIS EVI to assess gross primary productivity of North American ecosystems. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	267
75	Model-data synthesis of diurnal and seasonal CO <sub>2</sub> fluxes at Niwot Ridge, Colorado. <i>Global Change Biology</i> , 2006, 12, 240-259.	9.5	92
76	Differential controls by climate and substrate over the heterotrophic and rhizospheric components of soil respiration. <i>Global Change Biology</i> , 2006, 12, 205-216.	9.5	267
77	Winter forest soil respiration controlled by climate and microbial community composition. <i>Nature</i> , 2006, 439, 711-714.	27.8	468
78	A multiyear evaluation of a Dynamic Global Vegetation Model at three AmeriFlux forest sites: Vegetation structure, phenology, soil temperature, and CO <sub>2</sub> and H <sub>2</sub> O vapor exchange. <i>Ecological Modelling</i> , 2006, 196, 1-31.	2.5	161
79	The interacting effects of elevated atmospheric CO <sub>2</sub> concentration, drought and leaf-to-air vapour pressure deficit on ecosystem isoprene fluxes. <i>Oecologia</i> , 2005, 146, 120-129.	2.0	43
80	Climatic influences on net ecosystem CO <sub>2</sub> exchange during the transition from wintertime carbon source to springtime carbon sink in a high-elevation, subalpine forest. <i>Oecologia</i> , 2005, 146, 130-147.	2.0	169
81	Midday values of gross CO <sub>2</sub> 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.	4.8	114
82	Modeling and measuring the nocturnal drainage flow in a high-elevation, subalpine forest with complex terrain. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	74
83	Changing the way we think about global change research: scaling up in experimental ecosystem science. <i>Global Change Biology</i> , 2004, 10, 393-407.	9.5	126
84	A nonparametric method for separating photosynthesis and respiration components in CO <sub>2</sub> flux measurements. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	21
85	Airflows and turbulent flux measurements in mountainous terrain. <i>Agricultural and Forest Meteorology</i> , 2004, 125, 187-205.	4.8	54
86	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.	4.8	146
87	Isoprenoid Metabolism. , 2004, , 625-628.		0
88	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.	7.3	5
89	Increased CO <sub>2</sub> uncouples growth from isoprene emission in an agriforest ecosystem. <i>Nature</i> , 2003, 421, 256-259.	27.8	312
90	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.	4.0	74

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91	Spatial and temporal controls of soil respiration rate in a high-elevation, subalpine forest. <i>Soil Biology and Biochemistry</i> , 2003, 35, 525-534.	8.8	158
92	Airflows and turbulent flux measurements in mountainous terrain. <i>Agricultural and Forest Meteorology</i> , 2003, 119, 1-21.	4.8	142
93	Carbon sequestration studied in western U.S. mountains. <i>Eos</i> , 2002, 83, 445.	0.1	101
94	Volatile organic compound emissions from terrestrial ecosystems: A primary biological control over atmospheric chemistry. <i>Israel Journal of Chemistry</i> , 2002, 42, 29-42.	2.3	31
95	Seasonality of ecosystem respiration and gross primary production as derived from FLUXNET measurements. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 53-74.	4.8	606
96	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.	4.8	145
97	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.	2.0	44
98	Biospheric Trace Gas Fluxes and Their Control Over Tropospheric Chemistry. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2001, 32, 547-576.	6.7	124
99	Leaf uptake of nitrogen dioxide (NO <sub>2</sub> ) in a tropical wet forest: implications for tropospheric chemistry. <i>Oecologia</i> , 2001, 127, 214-221.	2.0	98
100	Night-time respiration rate and leaf carbohydrate concentrations are not coupled in two alpine perennial species. <i>New Phytologist</i> , 2001, 149, 419-430.	7.3	19
101	Partitioning net ecosystem carbon exchange with isotopic fluxes of CO <sub>2</sub> . <i>Global Change Biology</i> , 2001, 7, 127-145.	9.5	178
102	Biochemistry and physiology of foliar isoprene production. <i>Trends in Plant Science</i> , 2000, 5, 477-481.	8.8	104
103	Carbon availability and temperature control the post-snowmelt decline in alpine soil microbial biomass. <i>Soil Biology and Biochemistry</i> , 2000, 32, 441-448.	8.8	227
104	HERBIVORE-INDUCED MONOTERPENE EMISSIONS FROM CONIFEROUS FORESTS: POTENTIAL IMPACT ON LOCAL TROPOSPHERIC CHEMISTRY. , 1999, 9, 1147-1159.		35
105	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.	1.7	49
106	Thermotolerance of Leaf Discs from Four Isoprene-Emitting Species Is Not Enhanced by Exposure to Exogenous Isoprene. <i>Plant Physiology</i> , 1999, 120, 821-826.	4.8	63
107	Ectomycorrhizal transfer of amino acid-nitrogen to the alpine sedge <i>Kobresia myosuroides</i> . <i>New Phytologist</i> , 1999, 142, 163-167.	7.3	36
108	Monoterpene emission from coniferous trees in response to elevated CO <sub>2</sub> concentration and climate warming. <i>Global Change Biology</i> , 1999, 5, 252-267.	9.5	83

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109	Modelling changes in VOC emission in response to climate change in the continental United States. <i>Global Change Biology</i> , 1999, 5, 791-806.	9.5	76
110	Ecological and evolutionary aspects of isoprene emission from plants. <i>Oecologia</i> , 1999, 118, 109-123.	2.0	214
111	LINKS BETWEEN MICROBIAL POPULATION DYNAMICS AND NITROGEN AVAILABILITY IN AN ALPINE ECOSYSTEM. <i>Ecology</i> , 1999, 80, 1623-1631.	3.2	310
112	SOIL AMINO ACID UTILIZATION AMONG SPECIES OF THE CYPERACEAE: PLANT AND SOIL PROCESSES. <i>Ecology</i> , 1999, 80, 2408-2419.	3.2	178
113	SEASONAL PARTITIONING OF NITROGEN BY PLANTS AND SOIL MICROORGANISMS IN AN ALPINE ECOSYSTEM. <i>Ecology</i> , 1999, 80, 1883-1891.	3.2	191
114	Links between Microbial Population Dynamics and Nitrogen Availability in an Alpine Ecosystem. <i>Ecology</i> , 1999, 80, 1623.	3.2	205
115	Herbivore-Induced Monoterpene Emissions from Coniferous Forests: Potential Impact on Local Tropospheric Chemistry. , 1999, 9, 1147.		1
116	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.	2.0	472
117	Patterns of induced and constitutive monoterpene production in conifer needles in relation to insect herbivory. <i>Oecologia</i> , 1998, 114, 531-540.	2.0	169
118	Controls over monoterpene emissions from boreal forest conifers. <i>Tree Physiology</i> , 1997, 17, 563-569.	3.1	72
119	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.	2.0	152
120	Ecological Controls over Monoterpene Emissions from Douglas-Fir ( <i>Pseudotsuga Menziesii</i> ). <i>Ecology</i> , 1995, 76, 2640-2647.	3.2	112
121	Biological aspects of constructing volatile organic compound emission inventories. <i>Atmospheric Environment</i> , 1995, 29, 2989-3002.	4.1	128
122	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.	1.7	50
123	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.	1.7	70
124	Isoprene and monoterpene emission rate variability: Model evaluations and sensitivity analyses. <i>Journal of Geophysical Research</i> , 1993, 98, 12609-12617.	3.3	1,432
125	Isoprene Emission Rate and Intercellular Isoprene Concentration as Influenced by Stomatal Distribution and Conductance. <i>Plant Physiology</i> , 1992, 100, 987-992.	4.8	154
126	Relationships among Isoprene Emission Rate, Photosynthesis, and Isoprene Synthase Activity as Influenced by Temperature. <i>Plant Physiology</i> , 1992, 98, 1175-1180.	4.8	272



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127	Adaptive significance of nitrogen storage in <i>Bistorta bistortoides</i> , an alpine herb. <i>Oecologia</i> , 1992, 92, 578-585.	2.0	58
128	Isoprene and monoterpene emission rate variability: Observations with eucalyptus and emission rate algorithm development. <i>Journal of Geophysical Research</i> , 1991, 96, 10799-10808.	3.3	496
129	Physiological Reality in Relation to Ecosystem- and Global-Level Estimates of Isoprene Emission. , 1991, , 185-207.		27
130	PHOTOSYNTHETIC CHARACTERISTICS OF C <sub>3</sub> -C <sub>4</sub> INTERMEDIATE FLAVERIA FLORIDANA (ASTERACEAE) IN NATURAL HABITATS: EVIDENCE OF ADVANTAGES TO C <sub>3</sub> -C <sub>4</sub> PHOTOSYNTHESIS AT HIGH LEAF TEMPERATURES. <i>American Journal of Botany</i> , 1991, 78, 795-800.	1.7	24
131	Photosynthetic Characteristics of C <sub>3</sub> -C <sub>4</sub> Intermediate <i>Flaveria floridana</i> (Asteraceae) in Natural Habitats: Evidence of Advantages to C <sub>3</sub> -C <sub>4</sub> Photosynthesis at High Leaf Temperatures. <i>American Journal of Botany</i> , 1991, 78, 795.	1.7	13
132	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.	1.6	7
133	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.	1.7	41
134	Isoprene Emission from Aspen Leaves. <i>Plant Physiology</i> , 1989, 90, 267-274.	4.8	350
135	The relative contributions of reduced photorespiration, and improved water-and nitrogen-use efficiencies, to the advantages of C <sub>3</sub> -C <sub>4</sub> intermediate photosynthesis in <i>Flaveria</i> . <i>Oecologia</i> , 1989, 80, 215-221.	2.0	49
136	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.	1.7	14
137	Carbon Gain by Plants in Natural Environments. <i>BioScience</i> , 1987, 37, 21-29.	4.9	135
138	Field measurements of photosynthesis, water-use efficiency, and growth in <i>Agropyron smithii</i> (C <sub>3</sub> ) and <i>Bouteloua gracilis</i> (C <sub>4</sub> ) in the Colorado shortgrass steppe. <i>Oecologia</i> , 1986, 68, 400-409.	2.0	56
139	Midday depression in net photosynthesis and stomatal conductance in <i>Yucca glauca</i> . <i>Oecologia</i> , 1985, 67, 380-387.	2.0	66
140	A field study of photosynthetic temperature acclimation in <i>Carex eleocharis</i> Bailey.. <i>Plant, Cell and Environment</i> , 1984, 7, 301-308.	5.7	11
141	C <sub>3</sub> -C <sub>4</sub> Intermediate Photosynthesis in Plants. <i>BioScience</i> , 1984, 34, 563-574.	4.9	154
142	Photosynthetic Characteristics of C <sub>3</sub> -C <sub>4</sub> Intermediate <i>Flaveria</i> Species. <i>Plant Physiology</i> , 1983, 71, 944-948.	4.8	143
143	Temperature Dependence of Photosynthesis in <i>Agropyron smithii</i> Rydb.. <i>Plant Physiology</i> , 1982, 69, 921-928.	4.8	124
144	Seasonal Water Potential Components of Sonoran Desert Plants. <i>Ecology</i> , 1982, 63, 113-123.	3.2	84