Kevin Griffin

List of Publications by Year in Descending Order

169 papers	7,505 citations	50 h-index	80 g-index
179 ext. papers	8,483 ext. citations	6.1 avg, IF	5.63 L-index

#	Paper	IF	Citations
169	Temperature sensitivity of woody nitrogen fixation across species and growing temperatures.. *Nature Plants*, **2022**,	11.5	3
168	Small herbivores with big impacts: Tundra voles (Microtus oeconomus) alter post-fire ecosystem dynamics.. *Ecology*, **2022**, e3689	4.6	0
167	Model responses to CO and warming are underestimated without explicit representation of Arctic small-mammal grazing. *Ecological Applications*, **2021**, 32, e02478	4.9	1
166	High Leaf Respiration Rates May Limit the Success of White Spruce Saplings Growing in the at the Arctic Treeline. *Frontiers in Plant Science*, **2021**, 12, 746464	6.2	0
165	Respiratory temperature responses of tropical conifers differ with leaf morphology. *Functional Ecology*, **2021**, 35, 1408-1423	5.6	3
164	Contrasting physiological traits of shade tolerance in Pinus and Podocarpaceae native to a tropical Vietnamese forest: insight from an aberrant flat-leaved pine. *Tree Physiology*, **2021**, 41, 223-239	4.2	3
163	Chlorophyll fluorescence parameters, leaf traits and foliar chemistry of white oak and red maple trees in urban forest patches. *Tree Physiology*, **2021**, 41, 269-279	4.2	5
162	Ecosystem Recovery from Disturbance is Constrained by N Cycle Openness, Vegetation-Soil N Distribution, Form of N Losses, and the Balance Between Vegetation and Soil-Microbial Processes. *Ecosystems*, **2021**, 24, 667-685	3.9	6
161	Acclimation of leaf respiration temperature responses across thermally contrasting biomes. *New Phytologist*, **2021**, 229, 1312-1325	9.8	10
160	Photosynthesis, fluorescence, and biomass responses of white oak seedlings to urban soil and air temperature effects. *Physiologia Plantarum*, **2021**, 172, 1535-1549	4.6	2
159	Herbivore absence can shift dry heath tundra from carbon source to sink during peak growing season. *Environmental Research Letters*, **2021**, 16, 024027	6.2	5
158	Transparent polyethylene covering film in tropical grapevines does not alter photosynthesis, plant growth, fruit quality or yield. *Theoretical and Experimental Plant Physiology*, **2020**, 32, 255-270	2.4	1
157	Is the Kok effect a respiratory phenomenon? Metabolic insight using C labeling in Helianthus annuus leaves. *New Phytologist*, **2020**, 228, 1243-1255	9.8	1
156	Distinct xylem responses to acute vs prolonged drought in pine trees. *Tree Physiology*, **2020**, 40, 605-620	4.2	6
155	On the Functional Relationship Between Fluorescence and Photochemical Yields in Complex Evergreen Needleleaf Canopies. *Geophysical Research Letters*, **2020**, 47, e2020GL087858	4.9	21
154	A mechanism of expansion: Arctic deciduous shrubs capitalize on warming-induced nutrient availability. *Oecologia*, **2020**, 192, 671-685	2.9	2
153	Remote sensing tracks daily radial wood growth of evergreen needleleaf trees. *Global Change Biology*, **2020**, 26, 4068-4078	11.4	11

152	Soil Microbial Assemblages Are Linked to Plant Community Composition and Contribute to Ecosystem Services on Urban Green Roofs. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	16
151	Photosynthetic capacity, leaf respiration and growth in two papaya () genotypes with different leaf chlorophyll concentrations. *AoB PLANTS*, **2019**, 11, plz013	2.9	6
150	Late growing season carbon subsidy in native gymnosperms in a northern temperate forest. *Tree Physiology*, **2019**, 39, 971-982	4.2	4
149	Repeatable, continuous and real-time estimates of coupled nitrogenase activity and carbon exchange at the whole-plant scale. *Methods in Ecology and Evolution*, **2019**, 10, 960-970	7.7	4
148	20 cm resolution mapping of tundra vegetation communities provides an ecological baseline for important research areas in a changing Arctic environment. *Environmental Research Communications*, **2019**, 1, 105004	3.1	5
147	Terrestrial lidar scanning reveals fine-scale linkages between microstructure and photosynthetic functioning of small-stature spruce trees at the forest-tundra ecotone. *Agricultural and Forest Meteorology*, **2019**, 269-270, 157-168	5.8	7
146	White oak and red maple tree ring analysis reveals enhanced productivity in urban forest patches. *Forest Ecology and Management*, **2019**, 453, 117626	3.9	8
145	Proximal remote sensing of tree physiology at northern treeline: Do late-season changes in the photochemical reflectance index (PRI) respond to climate or photoperiod?. *Remote Sensing of Environment*, **2019**, 221, 340-350	13.2	14
144	Strip-Bark Morphology and Radial Growth Trends in Ancient Pinus sibirica Trees From Central Mongolia. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 945-959	3.7	2
143	Deficit irrigation and transparent plastic covers can save water and improve grapevine cultivation in the tropics. *Agricultural Water Management*, **2018**, 202, 66-80	5.9	11
142	Interannual variations in needle and sapwood traits of branches under an experimental drought. *Ecology and Evolution*, **2018**, 8, 1655-1672	2.8	8
141	Temperature response of respiration and respiratory quotients of 16 co-occurring temperate tree species. *Tree Physiology*, **2018**, 38, 1319-1332	4.2	7
140	Measurement of Gross Photosynthesis, Respiration in the Light, and Mesophyll Conductance Using HO Labeling. *Plant Physiology*, **2018**, 177, 62-74	6.6	17
139	Blue intensity from a tropical conifer's annual rings for climate reconstruction: An ecophysiological perspective. *Dendrochronologia*, **2018**, 50, 10-22	2.8	27
138	Applying terrestrial lidar for evaluation and calibration of airborne lidar-derived shrub biomass estimates in Arctic tundra. *Remote Sensing Letters*, **2017**, 8, 175-184	2.3	19
137	Interannual variability in ozone removal by a temperate deciduous forest. *Geophysical Research Letters*, **2017**, 44, 542-552	4.9	41
136	A gradient of nutrient enrichment reveals nonlinear impacts of fertilization on Arctic plant diversity and ecosystem function. *Ecology and Evolution*, **2017**, 7, 2449-2460	2.8	14
135	Nitrogen and phosphorus availabilities interact to modulate leaf trait scaling relationships across six plant functional types in a controlled-environment study. *New Phytologist*, **2017**, 215, 992-1008	9.8	29

134	European and Mediterranean hydroclimate responses to tropical volcanic forcing over the last millennium. *Geophysical Research Letters*, **2017**, 44, 5104-5112	4.9	34
133	Tracking the origins of the Kok effect, 70 years after its discovery. *New Phytologist*, **2017**, 214, 506-510	9.8	21
132	Leaf day respiration: low CO flux but high significance for metabolism and carbon balance. *New Phytologist*, **2017**, 216, 986-1001	9.8	91
131	Repackaging precipitation into fewer, larger storms reduces ecosystem exchanges of CO 2 and H 2 O in a semiarid steppe. *Agricultural and Forest Meteorology*, **2017**, 247, 356-364	5.8	29
130	Light inhibition of foliar respiration in response to soil water availability and seasonal changes in temperature in Mediterranean holm oak (Quercus ilex) forest. *Functional Plant Biology*, **2017**, 44, 1178-1193	2.7	7
129	Growth and physiology of a dominant understory shrub, Hamamelis virginiana, following canopy disturbance in a temperate hardwood forest. *Canadian Journal of Forest Research*, **2017**, 47, 193-202	1.9	3
128	Xanthophyll Cycle Activity in Two Prominent Arctic Shrub Species. *Arctic, Antarctic, and Alpine Research*, **2017**, 49, 277-289	1.8	9
127	Implications of improved representations of plant respiration in a changing climate. *Nature Communications*, **2017**, 8, 1602	17.4	67
126	Photosynthetic acclimation to elevated CO2 combined with partial rootzone drying results in improved water use efficiency, drought tolerance and leaf carbon balance of grapevines (Vitis labrusca). *Environmental and Experimental Botany*, **2017**, 134, 82-95	5.9	22
125	Thermal limits of leaf metabolism across biomes. *Global Change Biology*, **2017**, 23, 209-223	11.4	126
124	Where does the carbon go? Thermal acclimation of respiration and increased photosynthesis in trees at the temperate-boreal ecotone. *Tree Physiology*, **2017**, 37, 281-284	4.2	9
123	Leaf Respiration in Terrestrial Biosphere Models. *Advances in Photosynthesis and Respiration*, **2017**, 107-142	1.7	9
122	Responses of greenhouse gas fluxes to climate extremes in a semiarid grassland. *Atmospheric Environment*, **2016**, 142, 32-42	5.3	30
121	Convergence in the temperature response of leaf respiration across biomes and plant functional types. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3832-7	11.5	139
120	LiDAR canopy radiation model reveals patterns of photosynthetic partitioning in an Arctic shrub. *Agricultural and Forest Meteorology*, **2016**, 221, 78-93	5.8	23
119	Scaling Thermal Properties from the Leaf to the Canopy in the Alaskan Arctic Tundra. *Arctic, Antarctic, and Alpine Research*, **2016**, 48, 739-754	1.8	9
118	Spectral determination of concentrations of functionally diverse pigments in increasingly complex arctic tundra canopies. *Oecologia*, **2016**, 182, 85-97	2.9	5
117	Biodiversity as a multidimensional construct: a review, framework and case study of herbivory's impact on plant biodiversity. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	35

116	Separating species and environmental determinants of leaf functional traits in temperate rainforest plants along a soil-development chronosequence. *Functional Plant Biology*, **2016**, 43, 751-765	2.7	12
115	Reply to Adams et al.: Empirical versus process-based approaches to modeling temperature responses of leaf respiration. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5996-E5997	11.5	4
114	High-resolution mapping of aboveground shrub biomass in Arctic tundra using airborne lidar and imagery. *Remote Sensing of Environment*, **2016**, 184, 361-373	13.2	60
113	Greater deciduous shrub abundance extends tundra peak season and increases modeled net CO2 uptake. *Global Change Biology*, **2015**, 21, 2394-409	11.4	32
112	Estimating aboveground biomass and leaf area of low-stature Arctic shrubs with terrestrial LiDAR. *Remote Sensing of Environment*, **2015**, 164, 26-35	13.2	113
111	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. *New Phytologist*, **2015**, 206, 614-36	9.8	244
110	Foliar nitrogen characteristics of four tree species planted in New York City forest restoration sites. *Urban Ecosystems*, **2014**, 17, 807-824	2.8	13
109	Tall Deciduous Shrubs Offset Delayed Start of Growing Season Through Rapid Leaf Development in the Alaskan Arctic Tundra. *Arctic, Antarctic, and Alpine Research*, **2014**, 46, 682-697	1.8	17
108	Thermal acclimation of shoot respiration in an Arctic woody plant species subjected to 22 years of warming and altered nutrient supply. *Global Change Biology*, **2014**, 20, 2618-30	11.4	21
107	Predicting ecosystem carbon balance in a warming Arctic: the importance of long-term thermal acclimation potential and inhibitory effects of light on respiration. *Global Change Biology*, **2014**, 20, 1901-12	11.4	12
106	Seasonality of foliar respiration in two dominant plant species from the Arctic tundra: response to long-term warming and short-term temperature variability. *Functional Plant Biology*, **2014**, 41, 287-300	2.7	28
105	Leaf respiration in darkness and in the light under pre-industrial, current and elevated atmospheric CO_2 concentrations. *Plant Science*, **2014**, 226, 120-30	5.3	33
104	Rapid rebound of soil respiration following partial stand disturbance by tree girdling in a temperate deciduous forest. *Oecologia*, **2014**, 174, 1415-24	2.9	16
103	Light inhibition of leaf respiration as soil fertility declines along a post-glacial chronosequence in New Zealand: an analysis using the Kok method. *Plant and Soil*, **2013**, 367, 163-182	4.2	39
102	Modulation of respiratory metabolism in response to nutrient changes along a soil chronosequence. *Plant, Cell and Environment*, **2013**, 36, 1120-34	8.4	12
101	Breaking the cycle: how light, CO2 and O2 affect plant respiration. *Plant, Cell and Environment*, **2013**, 36, 498-500	8.4	9
100	Hill Slope Variations in Chlorophyll Fluorescence Indices and Leaf Traits in a Small Arctic Watershed. *Arctic, Antarctic, and Alpine Research*, **2013**, 45, 39-49	1.8	4
99	Light saturated RuBP oxygenation by Rubisco is a robust predictor of light inhibition of respiration in Triticum aestivum L. *Plant Biology*, **2013**, 15, 769-75	3.7	28

98	Differential physiological responses to environmental change promote woody shrub expansion. *Ecology and Evolution*, **2013**, 3, 1149-62	2.8	29
97	Respiratory flexibility and efficiency are affected by simulated global change in Arctic plants. *New Phytologist*, **2013**, 197, 1161-1172	9.8	14
96	Bringing the Kok effect to light: A review on the integration of daytime respiration and net ecosystem exchange. *Ecosphere*, **2013**, 4, art98	3.1	67
95	Isoprene emissions from a tundra ecosystem. *Biogeosciences*, **2013**, 10, 871-889	4.6	34
94	A field-compatible method for measuring alternative respiratory pathway activities in vivo using stable O isotopes. *Plant, Cell and Environment*, **2012**, 35, 1518-32	8.4	13
93	Out of the light and into the dark: post-illumination respiratory metabolism. *New Phytologist*, **2012**, 195, 4-7	9.8	6
92	High alternative oxidase activity in cold soils and its implication to the Dole Effect. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	3
91	The autotrophic contribution to soil respiration in a northern temperate deciduous forest and its response to stand disturbance. *Oecologia*, **2012**, 169, 211-20	2.9	26
90	Age-related decline of stand biomass accumulation is primarily due to mortality and not to reduction in NPP associated with individual tree physiology, tree growth or stand structure in a Quercus-dominated forest. *Journal of Ecology*, **2012**, 100, 428-440	6	62
89	Urban environment of New York City promotes growth in northern red oak seedlings. *Tree Physiology*, **2012**, 32, 389-400	4.2	48
88	Leaf- and cell-level carbon cycling responses to a nitrogen and phosphorus gradient in two Arctic tundra species. *American Journal of Botany*, **2012**, 99, 1702-14	2.7	25
87	Oak loss increases foliar nitrogen, (15)N and growth rates of Betula lenta in a northern temperate deciduous forest. *Tree Physiology*, **2012**, 32, 1092-101	4.2	20
86	Respiratory alternative oxidase responds to both low- and high-temperature stress in Quercus rubra leaves along an urban rural gradient in New York. *Functional Ecology*, **2011**, 25, 1007-1017	5.6	15
85	Leaf respiration and alternative oxidase in field-grown alpine grasses respond to natural changes in temperature and light. *New Phytologist*, **2011**, 189, 1027-1039	9.8	43
84	Effects of leaf age and tree size on stomatal and mesophyll limitations to photosynthesis in mountain beech (Nothofagus solandrii var. cliffortiodes). *Tree Physiology*, **2011**, 31, 985-96	4.2	26
83	Processing arctic eddy-flux data using a simple carbon-exchange model embedded in the ensemble Kalman filter **2010**, 20, 1285-301		22
82	The growth response of Alternanthera philoxeroides in a simulated post-combustion emission with ultrahigh [CO2] and acidic pollutants. *Environmental Pollution*, **2009**, 157, 2118-25	9.3	4
81	Cost-effectiveness of leaf energy and resource investment of invasive Berberis thunbergii and co-occurring native shrubs. *Canadian Journal of Forest Research*, **2009**, 39, 2109-2118	1.9	9

80	Thermal acclimation of leaf respiration but not photosynthesis in Populus deltoides x nigra. *New Phytologist*, **2008**, 178, 123-134	9.8	119
79	Dendrochonological Potential of Japanese Barberry (Berberis thunbergii): A Case Study in the Black Rock Forest, New York. *Tree-Ring Research*, **2008**, 64, 115-124	1	5
78	Changes in composition, structure and aboveground biomass over seventy-six years (1930-2006) in the Black Rock Forest, Hudson Highlands, southeastern New York State. *Tree Physiology*, **2008**, 28, 537-49	4.2	44
77	Sapwood temperature gradients between lower stems and the crown do not influence estimates of stand-level stem CO(2) efflux. *Tree Physiology*, **2008**, 28, 1553-9	4.2	14
76	Scaling foliar respiration to the stand level throughout the growing season in a Quercus rubra forest. *Tree Physiology*, **2008**, 28, 637-46	4.2	2
75	Precipitation chloride at West Point, NY: Seasonal patterns and possible contributions from non-seawater sources. *Atmospheric Environment*, **2007**, 41, 2240-2254	5.3	17
74	Seasonal variation of temperature response of respiration in invasive Berberis thunbergii (Japanese barberry) and two co-occurring native understory shrubs in a northeastern US deciduous forest. *Oecologia*, **2007**, 153, 809-19	2.9	11
73	Leaf phenology and seasonal variation of photosynthesis of invasive Berberis thunbergii (Japanese barberry) and two co-occurring native understory shrubs in a northeastern United States deciduous forest. *Oecologia*, **2007**, 154, 11-21	2.9	67
72	Spatial and temporal scaling of intercellular CO2 concentration in a temperate rain forest dominated by Dacrydium cupressinum in New Zealand. *Plant, Cell and Environment*, **2006**, 29, 497-510	8.4	11
71	Seasonal variation in the temperature response of leaf respiration in Quercus rubra: foliage respiration and leaf properties. *Functional Ecology*, **2006**, 20, 778-789	5.6	53
70	Twentieth Century Climate in the New York Hudson Highlands and the Potential Impacts on Eco-Hydrological Processes. *Climatic Change*, **2006**, 75, 455-493	4.5	1
69	Nocturnal stomatal conductance and implications for modelling Δ of leaf-respired CO in temperate tree species. *Functional Plant Biology*, **2006**, 32, 1107-1121	2.7	59
68	Radiative transfer and carbon assimilation in relation to canopy architecture, foliage area distribution and clumping in a mature temperate rainforest canopy in New Zealand. *Agricultural and Forest Meteorology*, **2005**, 135, 326-339	5.8	57
67	Atmospheric CO2 enrichment alters energy assimilation, investment and allocation in Xanthium strumarium. *New Phytologist*, **2005**, 166, 513-23	9.8	18
66	Sap flow rates and sapwood density are critical factors in within- and between-tree variation in CO2 efflux from stems of mature Dacrydium cupressinum trees. *New Phytologist*, **2005**, 167, 815-28	9.8	74
65	Respiration characteristics in temperate rainforest tree species differ along a long-term soil-development chronosequence. *Oecologia*, **2005**, 143, 271-9	2.9	53
64	Inter-annual variability of NDVI in response to long-term warming and fertilization in wet sedge and tussock tundra. *Oecologia*, **2005**, 143, 588-97	2.9	52
63	Photosynthesis and reflectance indices for rainforest species in ecosystems undergoing progression and retrogression along a soil fertility chronosequence in New Zealand. *Oecologia*, **2005**, 144, 233-44	2.9	52

62	Stomatal and non-stomatal limitations to photosynthesis in four tree species in a temperate rainforest dominated by Dacrydium cupressinum in New Zealand. *Tree Physiology*, **2005**, 25, 447-56	4.2	34
61	Variations in dark respiration and mitochondrial numbers within needles of Pinus radiata grown in ambient or elevated CO2 partial pressure. *Tree Physiology*, **2004**, 24, 347-53	4.2	15
60	CO2 ENRICHMENT REDUCES THE ENERGETIC COST OF BIOMASS CONSTRUCTION IN AN INVASIVE DESERT GRASS. *Ecology*, **2004**, 85, 100-106	4.6	46
59	Growth CO2 concentration modifies the transpiration response of Populus deltoides to drought and vapor pressure deficit. *Tree Physiology*, **2004**, 24, 1137-45	4.2	15
58	Response of total night-time respiration to differences in total daily photosynthesis for leaves in a Quercus rubra L. canopy: implications for modelling canopy CO2 exchange. *Global Change Biology*, **2004**, 10, 925-938	11.4	75
57	Nocturnal warming increases photosynthesis at elevated CO partial pressure in Populus deltoides. *New Phytologist*, **2004**, 161, 819-826	9.8	43
56	Response of Xanthium strumarium leaf respiration in the light to elevated CO2 concentration, nitrogen availability and temperature. *New Phytologist*, **2004**, 162, 377-386	9.8	68
55	Leaf respiratory CO is C-enriched relative to leaf organic components in five species of C plants. *New Phytologist*, **2004**, 163, 499-505	9.8	61
54	Chloroplast numbers, mitochondrion numbers and carbon assimilation physiology of Nicotiana sylvestris as affected by CO2 concentration. *Environmental and Experimental Botany*, **2004**, 51, 21-31	5.9	42
53	Can Gas-Exchange Characteristics help Explain the Invasive Success of Lythrum salicaria?. *Biological Invasions*, **2004**, 6, 101-111	2.7	37
52	The influence of winter temperatures on the annual radial growth of six northern range margin tree species. *Dendrochronologia*, **2004**, 22, 7-29	2.8	169
51	Scaling carbon uptake from leaves to canopies: insights from two forests with contrasting properties. **2004**, 231-254		8
50	Age at flowering differentially affects vegetative and reproductive responses of a determinate annual plant to elevated carbon dioxide. *Oecologia*, **2003**, 135, 194-201	2.9	12
49	Response of NDVI, biomass, and ecosystem gas exchange to long-term warming and fertilization in wet sedge tundra. *Oecologia*, **2003**, 135, 414-21	2.9	167
48	Scaling foliar respiration in two contrasting forest canopies. *Functional Ecology*, **2003**, 17, 101-114	5.6	69
47	Sex-specific physiological and growth responses to elevated atmospheric CO2 in Silene latifolia Poiret. *Global Change Biology*, **2003**, 9, 612-618	11.4	19
46	The contribution of bryophytes to the carbon exchange for a temperate rainforest. *Global Change Biology*, **2003**, 9, 1158-1170	11.4	45
45	Increased CO2 uncouples growth from isoprene emission in an agriforest ecosystem. *Nature*, **2003**, 421, 256-9	50.4	274

44	Carbon dioxide efflux from a 550 m3 soil across a range of soil temperatures. *Forest Ecology and Management*, **2003**, 178, 311-327	3.9	25
43	Photosynthetic characteristics in canopies of Quercus rubra, Quercus prinus and Acer rubrum differ in response to soil water availability. *Oecologia*, **2002**, 130, 515-524	2.9	46
42	Analysis of the growth of rimu (Dacrydium cupressinum) in South Westland, New Zealand, using process-based simulation models. *International Journal of Biometeorology*, **2002**, 46, 66-75	3.7	39
41	Effects of age and ontogeny on photosynthetic responses of a determinate annual plant to elevated CO2 concentrations. *Plant, Cell and Environment*, **2002**, 25, 359-368	8.4	53
40	Leaf respiration is differentially affected by leaf vs. stand-level night-time warming. *Global Change Biology*, **2002**, 8, 479-485	11.4	65
39	Canopy position affects the temperature response of leaf respiration in Populus deltoides. *New Phytologist*, **2002**, 154, 609-619	9.8	65
38	The relative impacts of daytime and night-time warming on photosynthetic capacity in Populus deltoides. *Plant, Cell and Environment*, **2002**, 25, 1729-1737	8.4	191
37	Energy investment in leaves of red maple and co-occurring oaks within a forested watershed. *Tree Physiology*, **2002**, 22, 859-67	4.2	18
36	Leaf respiration at different canopy positions in sweetgum (Liquidambar styraciflua) grown in ambient and elevated concentrations of carbon dioxide in the field. *Tree Physiology*, **2002**, 22, 1157-66	4.2	76
35	Forest canopy hydraulic properties and catchment water balance: observations and modeling. *Ecological Modelling*, **2002**, 154, 263-288	3	31
34	Leaf dark respiration as a function of canopy position in Nothofagus fusca trees grown at ambient and elevated CO2 partial pressures for 5 years. *Functional Ecology*, **2001**, 15, 497-505	5.6	37
33	Canopy position and needle age affect photosynthetic response in field-grown Pinus radiata after five years of exposure to elevated carbon dioxide partial pressure. *Tree Physiology*, **2001**, 21, 915-23	4.2	57
32	Responses of leaf respiration to temperature and leaf characteristics in three deciduous tree species vary with site water availability. *Tree Physiology*, **2001**, 21, 571-8	4.2	86
31	Effects of elevated atmospheric CO2 concentration on leaf dark respiration of Xanthium strumarium in light and in darkness. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 2479-84	11.5	75
30	Plant growth in elevated CO2 alters mitochondrial number and chloroplast fine structure. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 2473-8	11.5	96
29	Construction cost and invasive potential: comparing Lythrum salicaria (Lythraceae) with co-occurring native species along pond banks. *American Journal of Botany*, **2001**, 88, 2252-2258	2.7	88
28	Construction cost and invasive potential: comparing Lythrum salicaria (Lythraceae) with co-occurring native species along pond banks. *American Journal of Botany*, **2001**, 88, 2252-8	2.7	16
27	The onset of photosynthetic acclimation to elevated CO2 partial pressure in field-grown Pinus radiata D. Don. after 4 years. *Plant, Cell and Environment*, **2000**, 23, 1089-1098	8.4	79

26	Photosynthetic adjustment in field-grown ponderosa pine trees after six years of exposure to elevated CO(2). *Tree Physiology*, **1999**, 19, 221-228	4.2	92
25	Altered night-time CO2 concentration affects the growth, physiology and biochemistry of soybean. *Plant, Cell and Environment*, **1999**, 22, 91-99	8.4	29
24	Quantifying the response of photosynthesis to changes in leaf nitrogen content and leaf mass per area in plants grown under atmospheric CO2 enrichment. *Plant, Cell and Environment*, **1999**, 22, 1109-1119	8.4	32
23	The photosynthesis leaf nitrogen relationship at ambient and elevated atmospheric carbon dioxide: a meta-analysis. *Global Change Biology*, **1999**, 5, 331-346	11.4	81
22	Sensitivity and acclimation of Glycine max (L.) Merr. leaf gas exchange to CO2 partial pressure. *Environmental and Experimental Botany*, **1999**, 42, 141-153	5.9	15
21	Photosynthetic acclimation to long-term exposure to elevated CO2 concentration in Pinus radiata D. Don. is related to age of needles. *Plant, Cell and Environment*, **1998**, 21, 1019-1028	8.4	78
20	Nonlinearity of photosynthetic responses to growth in rising atmospheric CO2: an experimental and modelling study. *Global Change Biology*, **1998**, 4, 173-183	11.4	32
19	Effects of Carbon Dioxide and Nitrogen on Growth and Nitrogen Uptake in Ponderosa and Loblolly Pine. *Journal of Environmental Quality*, **1998**, 27, 414-425	3.4	35
18	Changes in root NH +4 and NO 3 absorption rates of loblolly and ponderosa pine in response to CO2 enrichment. *Plant and Soil*, **1997**, 190, 1-9	4.2	50
17	Interactive effects of soil nitrogen and atmospheric carbon dioxide on root/rhizosphere carbon dioxide efflux from loblolly and ponderosa pine seedlings. *Plant and Soil*, **1997**, 190, 11-18	4.2	20
16	The effect of elevated CO2 on the chemical composition and construction costs of leaves of 27 C3 species. *Plant, Cell and Environment*, **1997**, 20, 472-482	8.4	321
15	Direct and indirect effects of elevated CO(2) on whole-shoot respiration in ponderosa pine seedlings. *Tree Physiology*, **1996**, 16, 33-41	4.2	36
14	Plants, CO2 and photosynthesis in the 21st century. *Chemistry and Biology*, **1996**, 3, 245-54		69
13	Construction cost of loblolly and ponderosa pine leaves grown with varying carbon and nitrogen availability. *Plant, Cell and Environment*, **1996**, 19, 729-738	8.4	39
12	EcoCELLs: tools for mesocosm scale measurements of gas exchange. *Plant, Cell and Environment*, **1996**, 19, 1210-21	8.4	32
11	Effects of CO(2) enrichment on growth and root (15)NH(4) (+) uptake rate of loblolly pine and ponderosa pine seedlings. *Tree Physiology*, **1996**, 16, 957-962	4.2	31
10	Effects of low and elevated CO on C and C annuals : II. Photosynthesis and leaf biochemistry. *Oecologia*, **1995**, 101, 21-28	2.9	108
9	Growth and dry matter partitioning in loblolly and ponderosa pine seedlings in response to carbon and nitrogen availability. *New Phytologist*, **1995**, 129, 547-556	9.8	64

8	Relationships Between NDVI, Canopy Structure, and Photosynthesis in Three Californian Vegetation Types **1995**, 5, 28-41		642
7	Direct and Indirect Effects of Atmospheric Carbon Dioxide Enrichment on Leaf Respiration of Glycine max (L.) Merr. *Plant Physiology*, **1994**, 104, 355-361	6.6	71
6	Phosphorus supply affects the photosynthetic capacity of loblolly pine grown in elevated carbon dioxide. *Tree Physiology*, **1994**, 14, 1229-44	4.2	63
5	Calorimetric Estimates of Construction Cost and Their use in Ecological Studies. *Functional Ecology*, **1994**, 8, 551	5.6	72
4	Assessing community type, plant biomass, pigment composition, and photosynthetic efficiency of aquatic vegetation from spectral reflectance. *Remote Sensing of Environment*, **1993**, 46, 110-118	13.2	184
3	Effects of nitrogen supply and elevated carbon dioxide on construction cost in leaves of Pinus taeda (L.) seedlings. *Oecologia*, **1993**, 95, 575-580	2.9	87
2	Effects of light quantity and quality and soil nitrogen status on nitrate reductase activity in rainforest species of the genus Piper. *Oecologia*, **1991**, 86, 441-446	2.9	19
1	Seasonal patterns of native plant cover and leaf trait variation on New York City green roofs. *Urban Ecosystems*,1	2.8	1