Noel Michele Holbrook

List of Articles by Year
in descending order

156 PR articles	14,095 PR citations	15274 64 PR h-index	22993 115 g-index
168 documents	17269 doc citations	13739 71 h-index	16776 citing authors

#	Article	IF	Citations
1	Making dew in the Atacama Desert: a paradigmatic case of plant water uptake from an unsaturated atmosphere fails a test. Annals of Botany, 2025, 135, 841-850.	3.1	1
2	In situ cavitation bubble manometry reveals a lack of light-activated guard cell turgor modulation in bryophytes. Proceedings of the National Academy of Sciences of the United States of America, 2025, 122, .	7.5	3
3	Localized measurements of water potential reveal large loss of conductance in living tissues of maize leaves. Plant Physiology, 2024, 194, 2288-2300.	5.5	13
4	New approaches to dissect leaf hydraulics reveal large gradients in living tissues of tomato leaves. New Phytologist, 2024, 242, 453-465.	8.1	20
5	Elevated atmospheric CO2 has small, species-specific effects on pollen chemistry and plant growth across flowering plant species. Scientific Reports, 2024, 14, .	3.4	7
6	Relieving the transfusion tissue traffic jam: a network model of radial transport in conifer needles. New Phytologist, 2024, 244, 2183-2196.	8.1	5
7	Xylem conduit deformation across vascular plants: anÂevolutionary spandrel or protective valve?. New Phytologist, 2023, 237, 1242-1255.	8.1	18
8	Apparent surface conductance sensitivity to vapour pressure deficit in the absence of plants. Nature Water, 2023, 1, 941-951.	17.0	12
9	Plant carbohydrate storage: intraâ€•and interâ€specific tradeâ€offs reveal a major life history trait. New Phytologist, 2022, 235, 2211-2222.	8.1	60
10	Sieve tube structural variation in Austrobaileya scandens and its significance for lianescence. Plant, Cell and Environment, 2022, 45, 2460-2475.	6.5	4
11	Extreme undersaturation in the intercellular airspace of leaves: a failure of Gaastra or Ohm?. Annals of Botany, 2022, 130, 301-316.	3.1	29
12	A minimally disruptive method for measuring water potential in planta using hydrogel nanoreporters. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.5	54
13	Ecophysiological differentiation between life stages in filmy ferns (Hymenophyllaceae). Journal of Plant Research, 2021, 134, 971-988.	2.0	15
14	Evaluating the benefits of chlorophyll fluorescence for in-season crop productivity forecasting. Remote Sensing of Environment, 2021, 260, 112478.	11.2	28
15	Raman spectroscopy reveals high phloem sugar content in leaves of canopy red oak trees. New Phytologist, 2021, 232, 418-424.	8.1	15
16	Changes in ploidy affect vascular allometry and hydraulic function in Mangifera indica trees. Plant Journal, 2021, 108, 541-554.	6.2	22
17	Idioblasts and peltate hairs as distribution networks for water absorbed by xerophilous leaves. Plant, Cell and Environment, 2021, 44, 1346-1360.	6.5	11
18	Wood day capacitance is related to water content, wood density, and anatomy across 30 temperate tree species. Plant, Cell and Environment, 2020, 43, 3048-3067.	6.5	47

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19	Leaf Carbon Export and Nonstructural Carbohydrates in Relation to Diurnal Water Dynamics in Mature Oak Trees. Plant Physiology, 2020, 183, 1612-1621.	5.5	51
20	Ontogenetic scaling of phloem sieve tube anatomy and hydraulic resistance with tree height in Quercus rubra. American Journal of Botany, 2020, 107, 852-863.	2.2	21
21	Advanced vascular function discovered in a widespread moss. Nature Plants, 2020, 6, 273-279.	11.4	71
22	Combined influence of soil moisture and atmospheric evaporative demand is important for accurately predicting US maize yields. Nature Food, 2020, 1, 127-133.	14.6	199
23	Visualizing Embolism Propagation in Gas-Injected Leaves. Plant Physiology, 2019, 180, 874-881.	5.5	13
24	Scaling of phloem hydraulic resistance in stems and leaves of the understory angiosperm shrub Illicium parviflorum. American Journal of Botany, 2019, 106, 244-259.	2.2	8
25	Coordinated responses of plant hydraulic architecture with the reduction of stomatal conductance under elevated CO2 concentration. Tree Physiology, 2018, 38, 1041-1052.	3.5	30
26	Where does MÃ¼nch flow begin? Sucrose transport in the pre-phloem path. Current Opinion in Plant Biology, 2018, 43, 101-107.	7.2	15
27	Comparing different methods for determining forest evapotranspiration and its components at multiple temporal scales. Science of the Total Environment, 2018, 633, 12-29.	8.4	48
28	Comparing optimal and empirical stomatal conductance models for application in Earth system models. Global Change Biology, 2018, 24, 5708-5723.	11.1	95
29	Global Relationships between Cropland Intensification and Summer Temperature Extremes over the Last 50 Years. Journal of Climate, 2017, 30, 7505-7528.	8.0	49
30	Leaf Hydraulic Architecture and Stomatal Conductance: A Functional Perspective. Plant Physiology, 2017, 174, 1996-2007.	5.5	42
31	Divergences in hydraulic architecture form an important basis for niche differentiation between diploid and polyploid Betula species in NE China. Tree Physiology, 2017, 37, 604-616.	3.5	34
32	Maintenance of carbohydrate transport in tall trees. Nature Plants, 2017, 3, 965-972.	11.4	74
33	Stomatal Closure, Basal Leaf Embolism, and Shedding Protect the Hydraulic Integrity of Grape Stems. Plant Physiology, 2017, 174, 764-775.	5.5	204
34	Reversible Leaf Xylem Collapse: A Potential â€œCircuit Breakerâ€•against Cavitation Â. Plant Physiology, 2016, 172, 2261-2274.	5.5	100
35	Sap flow and sugar transport in plants. Reviews of Modern Physics, 2016, 88, .	40.8	202
36	The tomato plastidic fructokinase SlFRK3 plays a role in xylem development. New Phytologist, 2016, 209, 1484-1495.	8.1	47

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37	Impacts of elevated atmospheric CO2 on nutrient content of important food crops. Scientific Data, 2015, 2, .	5.7	85
38	Scaling of phloem structure and optimality of photoassimilate transport in conifer needles. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141863.	2.4	29
39	The making of giant pumpkins: how selective breeding changed the phloem of C ucurbita maxima from source to sink. Plant, Cell and Environment, 2015, 38, 1543-1554.	6.5	33
40	Easy Come, Easy Go: Capillary Forces Enable Rapid Refilling of Embolized Primary Xylem Vessels. Plant Physiology, 2015, 168, 1636-1647.	5.5	40
41	Water storage dynamics in the main stem of subtropical tree species differing in wood density, growth rate and life history traits. Tree Physiology, 2015, 35, 354-365.	3.5	125
42	Cooling of US Midwest summer temperature extremes from cropland intensification. Nature Climate Change, 2015, 6, 317-322.	17.7	241
43	Temporal and spatial patterns of twining force and lignification in stems of Ipomoea purpurea. Planta, 2014, 213, 192-198.	3.3	13
44	Relationship between Hexokinase and the Aquaporin PIP1 in the Regulation of Photosynthesis and Plant Growth. PLoS ONE, 2014, 9, e87888.	2.3	43
45	Seasonal dynamics in photosynthesis of woody plants at the northern limit of Asian tropics: potential role of fog in maintaining tropical rainforests and agriculture in Southwest China. Tree Physiology, 2014, 34, 1069-1078.	3.5	22
46	Reversible Deformation of Transfusion Tracheids in Taxus baccata Is Associated with a Reversible Decrease in Leaf Hydraulic Conductance. Plant Physiology, 2014, 165, 1557-1565.	5.5	44
47	Modelled hydraulic redistribution by sunflower (Helianthus annuusâ€…L.) matches observed data only after including nightâ€time transpiration. Plant, Cell and Environment, 2014, 37, 899-910.	6.5	18
48	Leaf hydraulics II: Vascularized tissues. Journal of Theoretical Biology, 2014, 340, 267-284.	1.6	14
49	Increasing CO2 threatens human nutrition. Nature, 2014, 510, 139-142.	37.9	1,313
50	Cavitation and Its Discontents: Opportunities for Resolving Current Controversies Â. Plant Physiology, 2014, 164, 1649-1660.	5.5	84
51	The Physicochemical Hydrodynamics of Vascular Plants. Annual Review of Fluid Mechanics, 2014, 46, 615-642.	22.3	187
52	Payback time for soil carbon and sugar-caneÂethanol. Nature Climate Change, 2014, 4, 605-609.	17.7	110
53	Measurement of Flow Velocity and Inference of Liquid Viscosity in a Microfluidic Channel by Fluorescence Photobleaching. Langmuir, 2014, 30, 4868-4874.	3.6	28
54	Leaf hydraulics I: Scaling transport properties from single cells to tissues. Journal of Theoretical Biology, 2014, 340, 251-266.	1.6	23

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55	The Competition between Liquid and Vapor Transport in Transpiring Leaves Â Â. Plant Physiology, 2014, 164, 1741-1758.	5.5	136
56	Cutting xylem under tension or supersaturated with gas can generate PLC and the appearance of rapid recovery from embolism. Plant, Cell and Environment, 2013, 36, 1938-1949.	6.5	382
57	Phloem Transport Velocity Varies over Time and among Vascular Bundles during Early Cucumber Seedling Development. Plant Physiology, 2013, 163, 1409-1418.	5.5	54
58	Polyploidy enhances the occupation of heterogeneous environments through hydraulic related tradeâ€offs inAtriplex canescens(Chenopodiaceae). New Phytologist, 2013, 197, 970-978.	8.1	165
59	Investigating xylem embolism formation, refilling and water storage in tree trunks using frequency domain reflectometry. Journal of Experimental Botany, 2013, 64, 2321-2332.	5.1	115
60	Optimal concentration for sugar transport in plants. Journal of the Royal Society Interface, 2013, 10, 20130055.	3.2	69
61	Optimal concentrations in transport systems. Journal of the Royal Society Interface, 2013, 10, .	3.2	16
62	Modeling the Hydrodynamics of Phloem Sieve Plates. Frontiers in Plant Science, 2012, 3, .	4.1	90
63	Measurements of stem xylem hydraulic conductivity in the laboratory and field. Methods in Ecology and Evolution, 2012, 3, 685-694.	5.2	125
64	Structural and hydraulic correlates of heterophylly in Ginkgo biloba. New Phytologist, 2011, 189, 459-470.	8.1	50
65	Hydraulic conductivity of red oak (Quercus rubra L.) leaf tissue does not respond to light. Plant, Cell and Environment, 2011, 34, 565-579.	6.5	31
66	Effects of the hydraulic coupling between xylem and phloem on diurnal phloem diameter variation. Plant, Cell and Environment, 2011, 34, 690-703.	6.5	142
67	Field confirmation of genetic variation in soybean transpiration response to vapor pressure deficit and photosynthetic compensation. Field Crops Research, 2011, 124, 85-92.	6.1	84
68	Optimality of the MÃ¼nch mechanism for translocation of sugars in plants. Journal of the Royal Society Interface, 2011, 8, 1155-1165.	3.2	82
69	Ecology of hemiepiphytism in fig species is based on evolutionary correlation of hydraulics and carbon economy. Ecology, 2011, 92, 2117-2130.	3.3	61
70	Phenology, Lignotubers, and Water Relations of Cochlospermum vitifolium, a Pioneer Tropical Dry Forest Tree in Costa Rica. Biotropica, 2010, 42, 104-111.	1.5	23
71	Hydraulic properties of fern sporophytes: Consequences for ecological and evolutionary diversification. American Journal of Botany, 2010, 97, 2007-2019.	2.2	75
72	Tensioning the helix: a mechanism for force generation in twining plants. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2643-2650.	2.4	47

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73	Linking xylem diameter variations with sap flow measurements. Plant and Soil, 2008, 305, 77-90.	3.3	61
74	Leaf age and the timing of leaf abscission in two tropical dry forest trees. Trees - Structure and Function, 2008, 22, 393-401.	1.7	12
75	Cell-to-cell pathway dominates xylem-epidermis hydraulic connection in Tradescantia fluminensis (Vell. Conc.) leaves. Planta, 2008, 227, 1311-1319.	3.3	37
76	Changes in plantâ€“soil hydraulic pressure gradients of soybean in response to soil drying. Annals of Applied Biology, 2008, 152, 49-57.	1.6	9
77	Leaf palmate venation and vascular redundancy confer tolerance of hydraulic disruption. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1567-1572.	7.5	159
78	Nitrate Control of Root Hydraulic Properties in Plants: Translating Local Information to Whole Plant Response. Plant Physiology, 2008, 148, 1159-1167.	5.5	130
79	Transporting water to the tops of trees. Physics Today, 2008, 61, 76-77.	0.3	35
80	Dynamics of freezeâ€“thaw embolism in Smilax rotundifolia (Smilacaceae). American Journal of Botany, 2007, 94, 640-649.	2.2	52
81	Effects of carbon dioxide and oxygen on sapwood respiration in five temperate tree species. Journal of Experimental Botany, 2007, 58, 1313-1320.	5.1	33
82	Dynamic changes in root hydraulic properties in response to nitrate availability. Journal of Experimental Botany, 2007, 58, 2409-2415.	5.1	91
83	Hydraulic design of leaves: insights from rehydration kinetics. Plant, Cell and Environment, 2007, 30, 910-921.	6.5	149
84	Forced depression of leaf hydraulic conductance in situ: effects on the leaf gas exchange of forest trees. Functional Ecology, 2007, 21, 705-712.	4.1	30
85	Parenchyma cell respiration and survival in secondary xylem: does metabolic activity decline with cell age?. Plant, Cell and Environment, 2007, 30, 934-943.	6.5	92
86	The role of freezing in setting the latitudinal limits of mangrove forests. New Phytologist, 2007, 173, 576-583.	8.1	222
87	Diversity of hydraulic traits in nine Cordia species growing in tropical forests with contrasting precipitation. New Phytologist, 2007, 175, 686-698.	8.1	195
88	LEAF HYDRAULICS. Annual Review of Plant Biology, 2006, 57, 361-381.	24.5	915
89	Baobab trees () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 112 Td (Adansonia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 before the rainy season. New Phytologist, 2006, 169, 549-559.	8.1	129
90	Hydraulic design of pine needles: one-dimensional optimization for single-vein leaves. Plant, Cell and Environment, 2006, 29, 803-809.	6.5	59

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91	Water relations of baobab trees (Adansonia spp. L.) during the rainy season: does stem water buffer daily water deficits?. Plant, Cell and Environment, 2006, 29, 1021-1032.	6.5	78
92	Declining hydraulic efficiency as transpiring leaves desiccate: two types of response. Plant, Cell and Environment, 2006, 29, 2205-2215.	6.5	184
93	A biomechanical perspective on the role of large stem volume and high water content in baobab trees (Adansonia spp.; Bombacaceae). American Journal of Botany, 2006, 93, 1251-1264.	2.2	69
94	Direct measurements of intervessel pit membrane hydraulic resistance in two angiosperm tree species. American Journal of Botany, 2006, 93, 993-1000.	2.2	92
95	Leaf hydraulic architecture correlates with regeneration irradiance in tropical rainforest trees. New Phytologist, 2005, 167, 403-413.	8.1	188
96	Within-stem oxygen concentration and sap flow in four temperate tree species: does long-lived xylem parenchyma experience hypoxia?. Plant, Cell and Environment, 2005, 28, 192-201.	6.5	67
97	The spatial pattern of air seeding thresholds in mature sugar maple trees. Plant, Cell and Environment, 2005, 28, 1082-1089.	6.5	139
98	Leaf hydraulic capacity in ferns, conifers and angiosperms: impacts on photosynthetic maxima. New Phytologist, 2005, 165, 839-846.	8.1	353
99	Water Stress Deforms Tracheids Peripheral to the Leaf Vein of a Tropical Conifer. Plant Physiology, 2005, 137, 1139-1146.	5.5	168
100	The importance of frictional interactions in maintaining the stability of the twining habit. American Journal of Botany, 2005, 92, 1820-1826.	2.2	36
101	Developmental and physiological correlates of leaf size in Hyeronima alchorneoides (Euphorbiaceae). American Journal of Botany, 2004, 91, 582-589.	2.2	21
102	Root-Gel Interactions and the Root Waving Behavior of Arabidopsis. Plant Physiology, 2004, 135, 1822-1837.	5.5	88
103	Hydraulic Analysis of Water Flow through Leaves of Sugar Maple and Red Oak. Plant Physiology, 2004, 134, 1824-1833.	5.5	183
104	A potential role for xylem-phloem interactions in the hydraulic architecture of trees: effects of phloem girdling on xylem hydraulic conductance. Tree Physiology, 2004, 24, 911-917.	3.5	121
105	Scaling phloem transport: information transmission. Plant, Cell and Environment, 2004, 27, 509-519.	6.5	83
106	Diurnal depression of leaf hydraulic conductance in a tropical tree species. Plant, Cell and Environment, 2004, 27, 820-827.	6.5	185
107	Water relations under root chilling in a sensitive and tolerant tomato species. Plant, Cell and Environment, 2004, 27, 971-979.	6.5	122
108	Stomatal protection against hydraulic failure: a comparison of coexisting ferns and angiosperms. New Phytologist, 2004, 162, 663-670.	8.1	224

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109	Hydraulic limitations imposed by crown placement determine final size and shape of Quercus rubra L. leaves. Plant, Cell and Environment, 2004, 27, 357-365.	6.5	113
110	Leaf physiology does not predict leaf habit; examples from tropical dry forest. Trees - Structure and Function, 2004, 19, 290-295.	1.7	48
111	Understanding the Hydraulics of Porous Pipes: Tradeoffs Between Water Uptake and Root Length Utilization. Journal of Plant Growth Regulation, 2003, 21, 315-323.	3.7	106
112	Application of a Single-solute Non-steady-state Phloem Model to the Study of Long-distance Assimilate Transport. Journal of Theoretical Biology, 2003, 220, 419-455.	1.6	179
113	The â€˜hydrologyâ€™ of leaves: co-ordination of structure and function in temperate woody species. Plant, Cell and Environment, 2003, 26, 1343-1356.	6.5	708
114	Relations between stomatal closure, leaf turgor and xylem vulnerability in eight tropical dry forest trees. Plant, Cell and Environment, 2003, 26, 443-450.	6.5	384
115	Water relations of tropical dry forest flowers: pathways for water entry and the role of extracellular polysaccharides. Plant, Cell and Environment, 2003, 26, 623-630.	6.5	68
116	Scaling phloem transport: water potential equilibrium and osmoregulatory flow. Plant, Cell and Environment, 2003, 26, 1561-1577.	6.5	131
117	Restoration of genetic diversity in the dry forest tree Swietenia macrophylla (Meliaceae) after pasture abandonment in Costa Rica. Molecular Ecology, 2003, 12, 3201-3212.	3.7	43
118	Changes in leaf hydraulic conductance during leaf shedding in seasonally dry tropical forest. New Phytologist, 2003, 158, 295-303.	8.1	126
119	Pigment dynamics and autumn leaf senescence in a New England deciduous forest, eastern USA. Ecological Research, 2003, 18, 677-694.	1.3	210
120	Vulnerability of Xylem Vessels to Cavitation in Sugar Maple. Scaling from Individual Vessels to Whole Branches. Plant Physiology, 2003, 131, 1775-1780.	5.5	84
121	Stomatal Closure during Leaf Dehydration, Correlation with Other Leaf Physiological Traits. Plant Physiology, 2003, 132, 2166-2173.	5.5	670
122	The hydraulic conductance of the angiosperm leaf lamina: a comparison of three measurement methods. Journal of Experimental Botany, 2002, 53, 2177-2184.	5.1	252
123	HARDLY A RELICT: FREEZING AND THE EVOLUTION OF VESSELLESS WOOD IN WINTERACEAE. Evolution; International Journal of Organic Evolution, 2002, 56, 464.	1.9	1
124	The Dynamics of "Dead Wood": Maintenance of Water Transport Through Plant Stems. Integrative and Comparative Biology, 2002, 42, 492-496.	1.8	24
125	Le rouge et le noir: Are anthocyanins plant melanins?. Advances in Botanical Research, 2002, , 17-35.	4.0	10
126	Hydraulic architecture of leaf venation in Laurus nobilis L.. Plant, Cell and Environment, 2002, 25, 1445-1450.	6.5	126

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127	HARDLY A RELICT: FREEZING AND THE EVOLUTION OF VESSELLESS WOOD IN WINTERACEAE. Evolution; International Journal of Organic Evolution, 2002, 56, 464-478.	1.9	77
128	Hydraulic properties of individual xylem vessels of Fraxinus americana. Journal of Experimental Botany, 2001, 52, 257-264.	5.1	2
129	Water relations of coastal and estuarine Rhizophora mangle: xylem pressure potential and dynamics of embolism formation and repair. Oecologia, 2001, 126, 182-192.	1.7	110
130	Hydraulic properties and freezing-induced cavitation in sympatric evergreen and deciduous oaks with contrasting habitats. Plant, Cell and Environment, 2001, 24, 1243-1256.	6.5	144
131	In Vivo Observation of Cavitation and Embolism Repair Using Magnetic Resonance Imaging. Plant Physiology, 2001, 126, 27-31.	5.5	264
132	Why Leaves Turn Red in Autumn. The Role of Anthocyanins in Senescing Leaves of Red-Osier Dogwood. Plant Physiology, 2001, 127, 566-574.	5.5	542
133	United Kingdoms. Plant Physiology, 2001, 126, 952-955.	5.5	2
134	Why Leaves Turn Red in Autumn. The Role of Anthocyanins in Senescing Leaves of Red-Osier Dogwood. Plant Physiology, 2001, 127, 566-574.	5.5	51
135	Xylem sap flow and stem hydraulics of the vesselless angiospermDrimys granadensis(Winteraceae) in a Costa Rican elfin forest. Plant, Cell and Environment, 2000, 23, 1067-1077.	6.5	57
136	Bordered Pit Structure and Vessel Wall Surface Properties. Implications for Embolism Repair. Plant Physiology, 2000, 123, 1015-1020.	5.5	124
137	Embolism Repair and Xylem Tension: Do We Need a Miracle?1. Plant Physiology, 1999, 120, 7-10.	5.5	308
138	Stem water storage and diurnal patterns of water use in tropical forest canopy trees. Plant, Cell and Environment, 1998, 21, 397-406.	6.5	474
139	Diurnal variation in xylem hydraulic conductivity in white ash (Fraxinus americana L.), red maple (Acer) Tj ETQq1 1 0.784314 rgBT /Ov	6.5	172
140	Water relations of epiphytic and terrestrially-rooted strangler figs in a Venezuelan palm savanna. Oecologia, 1996, 106, 424-431.	1.7	47
141	From epiphyte to tree: differences in leaf structure and leaf water relations associated with the transition in growth form in eight species of hemiepiphytes. Plant, Cell and Environment, 1996, 19, 631-642.	6.5	95
142	Comparative Phenology of Epiphytic and Tree-Phase Strangler Figs in a Venezuelan Palm Savanna. Biotropica, 1995, 27, 183.	1.5	39
143	Water balance in the arborescent palm, Sabal palmetto. I. Stem structure, tissue water release properties and leaf epidermal conductance. Plant, Cell and Environment, 1992, 15, 393-399.	6.5	46
144	Water balance in the arborescent palm, Sabal palmetto. II. Transpiration and stem water storage. Plant, Cell and Environment, 1992, 15, 401-409.	6.5	100

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145	STRANGLER FIG ROOTING HABITS AND NUTRIENT RELATIONS IN THE LLANOS OF VENEZUELA. American Journal of Botany, 1989, 76, 781-788.	2.2	77
146	INFLUENCE OF NEIGHBORS ON TREE FORM: EFFECTS OF LATERAL SHADE AND PREVENTION OF SWAY ON THE ALLOMETRY OF LIQUIDAMBAR STYRACIFLUA (SWEET GUM). American Journal of Botany, 1989, 76, 1740-1749.	2.2	143
147	Strangler Fig Rooting Habits and Nutrient Relations in the Llanos of Venezuela. American Journal of Botany, 1989, 76, 781.	2.2	40
148	Influence of Neighbors on Tree Form: Effects of Lateral Shade and Prevention of Sway on the Allometry of Liquidambar styraciflua (Sweet Gum). American Journal of Botany, 1989, 76, 1740.	2.2	77
149	Spring Filling of Xylem Vessels in Wild Grapevine. Plant Physiology, 1987, 83, 414-417.	5.5	302
150	Phosotynthesis in hemiepiphytic species of Clusia and Ficus. Oecologia, 1987, 74, 339-346.	1.7	61
151	Testing the MÃ¼nch hypothesis of long distance phloem transport in plants. ELife, 0, 5, .	1.6	165
152	Fifty shades of fade: linking transmittance loss to cellular death during leaf dehydration. New Phytologist, 0, 248, 2781-2794.	8.1	0
153	Secreting salt glands constrain cuticle fracture to enhance desalination efficiency. Proceedings of the National Academy of Sciences of the United States of America, 0, 122, .	7.5	0
154	Loss of conductance between mesophyll symplasm and intercellular air spaces explains nonstomatal control of transpiration. Proceedings of the National Academy of Sciences of the United States of America, 0, 122, .	7.5	4
155	Do Daily and Seasonal Changes in Nonâ€Structural Carbohydrates in Grapevine Leaves Contribute to Osmotic Adjustment and Regulation of Photosynthesis?. Physiologia Plantarum, 0, 178, .	3.6	0
156	Visualizing physical interactions between guard and epidermal cells during light-induced stomatal opening in 2 angiosperms. Plant Physiology, 0, 200, .	5.5	0