Peter C Harley

List of Publications by Year in Descending Order

31 papers	7,629 citations	25 h-index	31 g-index
31 ext. papers	8,274 ext. citations	5.9 avg, IF	4.89 L-index

#	Paper	IF	Citations
31	Leaf enclosure measurements for determining volatile organic compound emission capacity from Cannabis spp.. *Atmospheric Environment*, **2019**, 199, 80-87	5.3	13
30	Large drought-induced variations in oak leaf volatile organic compound emissions during PINOT NOIR 2012. *Chemosphere*, **2016**, 146, 8-21	8.4	10
29	Nutritional and developmental influences on components of rice crop light use efficiency. *Agricultural and Forest Meteorology*, **2016**, 223, 1-16	5.8	15
28	Ecosystem-scale volatile organic compound fluxes during an extreme drought in a broadleaf temperate forest of the Missouri Ozarks (central USA). *Global Change Biology*, **2015**, 21, 3657-74	11.4	59
27	Bidirectional exchange of biogenic volatiles with vegetation: emission sources, reactions, breakdown and deposition. *Plant, Cell and Environment*, **2014**, 37, 1790-809	8.4	79
26	Observations and models of emissions of volatile terpenoid compounds from needles of ponderosa pine trees growing in situ: control by light, temperature and stomatal conductance. *Oecologia*, **2014** , 176, 35-55	2.9	33
25	Effects of light and temperature on isoprene emission at different leaf developmental stages of eschweilera coriacea in central Amazon. *Acta Amazonica*, **2014**, 44, 9-18	0.8	25
24	Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results. *Atmospheric Chemistry and Physics*, **2013**, 13, 11935-11947	6.8	42
23	Gas phase measurements of pyruvic acid and its volatile metabolites. *Environmental Science & Technology*, **2010**, 44, 2454-60	10.3	49
22	Leaf level emission measurement of sesquiterpenes and oxygenated sesquiterpenes from desert shrubs and temperate forest trees using a liquid extraction technique. *Geochemical Journal*, **2009**, 43, 179-189	0.9	16
21	Sesquiterpene emissions from pine trees--identifications, emission rates and flux estimates for the contiguous United States. *Environmental Science & Technology*, **2007**, 41, 1545-53	10.3	128
20	Flux estimates and OH reaction potential of reactive biogenic volatile organic compounds (BVOCs) from a mixed northern hardwood forest. *Atmospheric Environment*, **2007**, 41, 5479-5495	5.3	57
19	Ozarks Isoprene Experiment (OZIE): Measurements and modeling of the "isoprene volcano" *Journal of Geophysical Research*, **2005**, 110,		51
18	Climatic influences on net ecosystem CO2 exchange during the transition from wintertime carbon source to springtime carbon sink in a high-elevation, subalpine forest. *Oecologia*, **2005**, 146, 130-47	2.9	152
17	Variation in potential for isoprene emissions among Neotropical forest sites. *Global Change Biology*, **2004**, 10, 630-650	11.4	80
16	Global Organic Emissions from Vegetation. *Advances in Global Change Research*, **2004**, 115-170	1.2	49
15	Micrometeorological and leaf-level measurements of isoprene emissions from a southern African savanna. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		35

14	Isoprene emission capacity for US tree species. *Atmospheric Environment*, **2001**, 35, 3341-3352	5.3	87
13	Natural emissions of non-methane volatile organic compounds, carbon monoxide, and oxides of nitrogen from North America. *Atmospheric Environment*, **2000**, 34, 2205-2230	5.3	524
12	Reduction of isoprene emissions from live oak (Quercus fusiformis) with oak wilt. *Tree Physiology*, **2000**, 20, 1199-1203	4.2	14
11	Ecological and evolutionary aspects of isoprene emission from plants. *Oecologia*, **1999**, 118, 109-123	2.9	193
10	Isoprene emission estimates and uncertainties for the central African EXPRESSO study domain. *Journal of Geophysical Research*, **1999**, 104, 30625-30639		180
9	Emission of 2-methyl-3-buten-2-ol by pines: A potentially large natural source of reactive carbon to the atmosphere. *Journal of Geophysical Research*, **1998**, 103, 25479-25486		160
8	Evaluation of forest canopy models for estimating isoprene emissions. *Journal of Geophysical Research*, **1996**, 101, 22787-22797		48
7	Isoprene fluxes measured by enclosure, relaxed eddy accumulation, surface layer gradient, mixed layer gradient, and mixed layer mass balance techniques. *Journal of Geophysical Research*, **1996**, 101, 18555-18567		126
6	Effects of growth under elevated UV-B on photosynthesis and isoprene emission in Quercus gambelii and Mucuna pruriens. *Global Change Biology*, **1996**, 2, 149-154	11.4	51
5	A global model of natural volatile organic compound emissions. *Journal of Geophysical Research*, **1995**, 100, 8873		3022
4	Isoprene and monoterpene emission rate variability: Model evaluations and sensitivity analyses. *Journal of Geophysical Research*, **1993**, 98, 12609		1143
3	Estimation of Mesophyll Conductance to CO(2) Flux by Three Different Methods. *Plant Physiology*, **1992**, 98, 1437-43	6.6	338
2	Theoretical Considerations when Estimating the Mesophyll Conductance to CO(2) Flux by Analysis of the Response of Photosynthesis to CO(2). *Plant Physiology*, **1992**, 98, 1429-36	6.6	639
1	An improved model of C3 photosynthesis at high CO2: Reversed O 2 sensitivity explained by lack of glycerate reentry into the chloroplast. *Photosynthesis Research*, **1991**, 27, 169-78	3.7	211