

John E Drake

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,448
citations

201575

27
h-index

345118

36
g-index

37
all docs

37
docs citations

37
times ranked

5478
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-tree mesophyll conductance reconciles isotopic and gas-exchange estimates of water-use efficiency. <i>New Phytologist</i> , 2021, 229, 2535-2547.	3.5	13
2	Concurrent Measurements of Soil and Ecosystem Respiration in a Mature Eucalypt Woodland: Advantages, Lessons, and Questions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006221.	1.3	3
3	The temperature optima for tree seedling photosynthesis and growth depend on water inputs. <i>Global Change Biology</i> , 2020, 26, 2544-2560.	4.2	42
4	No evidence of homeostatic regulation of leaf temperature in <i>Eucalyptus parramattensis</i> trees: integration of CO ₂ flux and oxygen isotope methodologies. <i>New Phytologist</i> , 2020, 228, 1511-1523.	3.5	18
5	No evidence for triose phosphate limitation of light-saturated leaf photosynthesis under current atmospheric CO ₂ concentration. <i>Plant, Cell and Environment</i> , 2019, 42, 3241-3252.	2.8	25
6	Climate warming and tree carbon use efficiency in a whole-tree ¹³ C/ ₂ tracer study. <i>New Phytologist</i> , 2019, 222, 1313-1324.	3.5	30
7	Range size and growth temperature influence <i>Eucalyptus</i> species responses to an experimental heatwave. <i>Global Change Biology</i> , 2019, 25, 1665-1684.	4.2	44
8	Acclimation and adaptation components of the temperature dependence of plant photosynthesis at the global scale. <i>New Phytologist</i> , 2019, 222, 768-784.	3.5	171
9	Responses of respiration in the light to warming in field-grown trees: a comparison of the thermal sensitivity of the Kok and Laisk methods. <i>New Phytologist</i> , 2019, 222, 132-143.	3.5	32
10	The partitioning of gross primary production for young <i>Eucalyptus tereticornis</i> trees under experimental warming and altered water availability. <i>New Phytologist</i> , 2019, 222, 1298-1312.	3.5	34
11	Traits and trade-offs in whole-tree hydraulic architecture along the vertical axis of <i>Eucalyptus grandis</i> . <i>Annals of Botany</i> , 2018, 121, 129-141.	1.4	40
12	Intraspecies variation in a widely distributed tree species regulates the responses of soil microbiome to different temperature regimes. <i>Environmental Microbiology Reports</i> , 2018, 10, 167-178.	1.0	8
13	Trees tolerate an extreme heatwave via sustained transpirational cooling and increased leaf thermal tolerance. <i>Global Change Biology</i> , 2018, 24, 2390-2402.	4.2	242
14	Photosynthetic capacity and leaf nitrogen decline along a controlled climate gradient in provenances of two widely distributed <i>Eucalyptus</i> species. <i>Global Change Biology</i> , 2018, 24, 4626-4644.	4.2	47
15	Photosynthesis and carbon allocation are both important predictors of genotype productivity responses to elevated CO ₂ in <i>Eucalyptus camaldulensis</i> . <i>Tree Physiology</i> , 2018, 38, 1286-1301.	1.4	21
16	Three years of soil respiration in a mature eucalypt woodland exposed to atmospheric CO ₂ enrichment. <i>Biogeochemistry</i> , 2018, 139, 85-101.	1.7	17
17	Elevated CO ₂ does not increase eucalypt forest productivity on a low-phosphorus soil. <i>Nature Climate Change</i> , 2017, 7, 279-282.	8.1	198
18	A common thermal niche among geographically diverse populations of the widely distributed tree species <i>Eucalyptus tereticornis</i> : No evidence for adaptation to climate-of-origin. <i>Global Change Biology</i> , 2017, 23, 5069-5082.	4.2	38

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19	Stomatal and non-stomatal limitations of photosynthesis for four tree species under drought: A comparison of model formulations. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 454-466.	1.9	91
20	Convergent acclimation of leaf photosynthesis and respiration to prevailing ambient temperatures under current and warmer climates in <i>Eucalyptus tereticornis</i> . <i>New Phytologist</i> , 2016, 212, 354-367.	3.5	88
21	Does physiological acclimation to climate warming stabilize the ratio of canopy respiration to photosynthesis?. <i>New Phytologist</i> , 2016, 211, 850-863.	3.5	82
22	Using models to guide field experiments: <i>a priori</i> predictions for the CO_2 response of a nutrient- and water-limited native Eucalypt woodland. <i>Global Change Biology</i> , 2016, 22, 2834-2851.	4.2	77
23	Short-term carbon cycling responses of a mature eucalypt woodland to gradual stepwise enrichment of atmospheric CO_2 concentration. <i>Global Change Biology</i> , 2016, 22, 380-390.	4.2	55
24	The capacity to cope with climate warming declines from temperate to tropical latitudes in two widely distributed <i>Eucalyptus</i> species. <i>Global Change Biology</i> , 2015, 21, 459-472.	4.2	118
25	Optimal stomatal behaviour around the world. <i>Nature Climate Change</i> , 2015, 5, 459-464.	8.1	397
26	Stoichiometry constrains microbial response to root exudation- insights from a model and a field experiment in a temperate forest. <i>Biogeosciences</i> , 2013, 10, 821-838.	1.3	197
27	Root carbon inputs to the rhizosphere stimulate extracellular enzyme activity and increase nitrogen availability in temperate forest soils. <i>Biogeochemistry</i> , 2013, 115, 65-76.	1.7	176
28	Seasonal plasticity in the temperature sensitivity of microbial activity in three temperate forest soils. <i>Ecosphere</i> , 2013, 4, 1-21.	1.0	24
29	Soil respiration in a northeastern US temperate forest: a 22-year synthesis. <i>Ecosphere</i> , 2013, 4, 1-28.	1.0	83
30	Trenching reduces soil heterotrophic activity in a loblolly pine (<i>Pinus taeda</i>) forest exposed to elevated atmospheric $[\text{CO}_2]$ and N fertilization. <i>Agricultural and Forest Meteorology</i> , 2012, 165, 43-52.	1.9	27
31	Impact of a reduced winter snowpack on litter arthropod abundance and diversity in a northern hardwood forest ecosystem. <i>Biology and Fertility of Soils</i> , 2012, 48, 413-424.	2.3	41
32	Increases in the flux of carbon belowground stimulate nitrogen uptake and sustain the long-term enhancement of forest productivity under elevated CO_2 . <i>Ecology Letters</i> , 2011, 14, 349-357.	3.0	374
33	Mechanisms of age-related changes in forest production: the influence of physiological and successional changes. <i>Global Change Biology</i> , 2011, 17, 1522-1535.	4.2	87
34	Hydraulic limitation not declining nitrogen availability causes the age-related photosynthetic decline in loblolly pine (<i>Pinus taeda</i> L.). <i>Plant, Cell and Environment</i> , 2010, 33, 1756-1766.	2.8	67
35	Fine-root respiration in a loblolly pine (<i>Pinus taeda</i> L.) forest exposed to elevated CO_2 and N fertilization. <i>Plant, Cell and Environment</i> , 2008, 31, 1663-1672.	2.8	60
36	Forest carbon use efficiency: is respiration a constant fraction of gross primary production?. <i>Global Change Biology</i> , 2007, 13, 1157-1167.	4.2	379

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37	Oxalate oxidase transgene expression in American chestnut leaves has little effect on photosynthetic or respiratory physiology. <i>New Forests</i> , 0, , 1.	0.7	2