Jared J Stewart

List of Publications by Year
in descending order

35 papers	852 citations	471061 17 h-index	500791 28 g-index
35 all docs	35 docs citations	35 times ranked	889 citing authors

#	Article	IF	Citations
1	Genotypeâ€dependent contribution of CBF transcription factors to longâ€term acclimation to high light and cool temperature. Plant, Cell and Environment, 2022, 45, 392-411.	2.8	7
2	Growth and Nutritional Quality of Lemnaceae Viewed Comparatively in an Ecological and Evolutionary Context. Plants, 2022, 11, 145.	1.6	13
3	Foliar sieve elements: Nexus of the leaf. Journal of Plant Physiology, 2022, 269, 153601.	1.6	2
4	Intersections: photosynthesis, abiotic stress, and the plant microbiome. Photosynthetica, 2022, 60, 59-69.	0.9	8
5	Distinct Cold Acclimation of Productivity Traits in Arabidopsis thaliana Ecotypes. International Journal of Molecular Sciences, 2022, 23, 2129.	1.8	2
6	Physiological trait networks enhance understanding of crop growth and water use in contrasting environments. Plant, Cell and Environment, 2022, 45, 2554-2572.	2.8	5
7	Features of the Duckweed Lemna That Support Rapid Growth under Extremes of Light Intensity. Cells, 2021, 10, 1481.	1.8	16
8	Photosynthesis and foliar vascular adjustments to growth light intensity in summer annual species with symplastic and apoplastic phloem loading. Journal of Plant Physiology, 2021, 267, 153532.	1.6	5
9	Zeaxanthin and Lutein: Photoprotectors, Anti-Inflammatories, and Brain Food. Molecules, 2020, 25, 3607.	1.7	57
10	Zeaxanthin, a Molecule for Photoprotection in Many Different Environments. Molecules, 2020, 25, 5825.	1.7	59
11	Growth and Essential Carotenoid Micronutrients in Lemna gibba as a Function of Growth Light Intensity. Frontiers in Plant Science, 2020, 11, 480.	1.7	35
12	Quantification of Leaf Phloem Anatomical Features with Microscopy. Methods in Molecular Biology, 2019, 2014, 55-72.	0.4	5
13	Less photoprotection can be good in some genetic and environmental contexts. Biochemical Journal, 2019, 476, 2017-2029.	1.7	6
14	Evaluating the link between photosynthetic capacity and leaf vascular organization with principal component analysis. Photosynthetica, 2018, 56, 392-403.	0.9	19
15	Tocopherols modulate leaf vein arrangement and composition without impacting photosynthesis. Photosynthetica, 2018, 56, 382-391.	0.9	8
16	Effects of Foliar Redox Status on Leaf Vascular Organization Suggest Avenues for Cooptimization of Photosynthesis and Heat Tolerance. International Journal of Molecular Sciences, 2018, 19, 2507.	1.8	4
17	Photosynthetic Modulation in Response to Plant Activity and Environment. Advances in Photosynthesis and Respiration, 2018, , 493-563.	1.0	17
18	Leaf Vasculature and the Upper Limit of Photosynthesis. Advances in Photosynthesis and Respiration, 2018, , 27-54.	1.0	10

#	Article	IF	Citations
19	Arabidopsis thaliana Ei-5: Minor Vein Architecture Adjustment Compensates for Low Vein Density in Support of Photosynthesis. Frontiers in Plant Science, 2018, 9, 693.	1.7	5
20	Optimization of Photosynthetic Productivity in Contrasting Environments by Regulons Controlling Plant Form and Function. International Journal of Molecular Sciences, 2018, 19, 872.	1.8	37
21	Light, temperature and tocopherol status influence foliar vascular anatomy and leaf function in <i>Arabidopsis thaliana</i>. Physiologia Plantarum, 2017, 160, 98-110.	2.6	18
22	Environmental regulation of intrinsic photosynthetic capacity: an integrated view. Current Opinion in Plant Biology, 2017, 37, 34-41.	3.5	55
23	Algal glycerol accumulation and release as a sink for photosynthetic electron transport. Algal Research, 2017, 21, 161-168.	2.4	10
24	Acclimation of Swedish and Italian ecotypes of Arabidopsis thaliana to light intensity. Photosynthesis Research, 2017, 134, 215-229.	1.6	22
25	Habitat Temperature and Precipitation of Arabidopsis thaliana Ecotypes Determine the Response of Foliar Vasculature, Photosynthesis, and Transpiration to Growth Temperature. Frontiers in Plant Science, 2016, 7, 1026.	1.7	62
26	Growth temperature impact on leaf form and function in <i>Arabidopsis thaliana</i> ecotypes from northern and southern Europe. Plant, Cell and Environment, 2016, 39, 1549-1558.	2.8	55
27	Chloroplast thylakoid structure in evergreen leaves employing strong thermal energy dissipation. Journal of Photochemistry and Photobiology B: Biology, 2015, 152, 357-366.	1.7	31
28	Differences in light-harvesting, acclimation to growth-light environment, and leaf structural development between Swedish and Italian ecotypes of Arabidopsis thaliana. Planta, 2015, 242, 1277-1290.	1.6	27
29	Association between photosynthesis and contrasting features of minor veins in leaves of summer annuals loading phloem via symplastic versus apoplastic routes. Physiologia Plantarum, 2014, 152, 174-183.	2.6	50
30	Non-Photochemical Fluorescence Quenching in Contrasting Plant Species and Environments. Advances in Photosynthesis and Respiration, 2014, , 531-552.	1.0	25
31	Leaf architectural, vascular and photosynthetic acclimation to temperature in two biennials. Physiologia Plantarum, 2014, 152, 763-772.	2.6	29
32	Insights from Placing Photosynthetic Light Harvesting into Context. Journal of Physical Chemistry Letters, 2014, 5, 2880-2889.	2.1	43
33	Multiple feedbacks between chloroplast and whole plant in the context of plant adaptation and acclimation to the environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130244.	1.8	50
34	Chloroplast Photoprotection and the Trade-Off Between Abiotic and Biotic Defense. Advances in Photosynthesis and Respiration, 2014, , 631-643.	1.0	15
35	Association between minor loading vein architecture and light- and CO2-saturated rates of photosynthetic oxygen evolution among Arabidopsis thaliana ecotypes from different latitudes. Frontiers in Plant Science, 2013, 4, 264.	1.7	40