

# Jared J Stewart

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Habitat Temperature and Precipitation of <i>Arabidopsis thaliana</i> Ecotypes Determine the Response of Foliar Vasculature, Photosynthesis, and Transpiration to Growth Temperature. <i>Frontiers in Plant Science</i> , 2016, 7, 1026.	1.7	62
2	Zeaxanthin, a Molecule for Photoprotection in Many Different Environments. <i>Molecules</i> , 2020, 25, 5825.	1.7	59
3	Zeaxanthin and Lutein: Photoprotectors, Anti-Inflammatories, and Brain Food. <i>Molecules</i> , 2020, 25, 3607.	1.7	57
4	Growth temperature impact on leaf form and function in <i>Arabidopsis thaliana</i> ecotypes from northern and southern Europe. <i>Plant, Cell and Environment</i> , 2016, 39, 1549-1558.	2.8	55
5	Environmental regulation of intrinsic photosynthetic capacity: an integrated view. <i>Current Opinion in Plant Biology</i> , 2017, 37, 34-41.	3.5	55
6	Association between photosynthesis and contrasting features of minor veins in leaves of summer annuals loading phloem via symplastic versus apoplastic routes. <i>Physiologia Plantarum</i> , 2014, 152, 174-183.	2.6	50
7	Multiple feedbacks between chloroplast and whole plant in the context of plant adaptation and acclimation to the environment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130244.	1.8	50
8	Insights from Placing Photosynthetic Light Harvesting into Context. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2880-2889.	2.1	43
9	Association between minor loading vein architecture and light- and CO <sub>2</sub> -saturated rates of photosynthetic oxygen evolution among <i>Arabidopsis thaliana</i> ecotypes from different latitudes. <i>Frontiers in Plant Science</i> , 2013, 4, 264.	1.7	40
10	Optimization of Photosynthetic Productivity in Contrasting Environments by Regulons Controlling Plant Form and Function. <i>International Journal of Molecular Sciences</i> , 2018, 19, 872.	1.8	37
11	Growth and Essential Carotenoid Micronutrients in <i>Lemna gibba</i> as a Function of Growth Light Intensity. <i>Frontiers in Plant Science</i> , 2020, 11, 480.	1.7	35
12	Chloroplast thylakoid structure in evergreen leaves employing strong thermal energy dissipation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 357-366.	1.7	31
13	Leaf architectural, vascular and photosynthetic acclimation to temperature in two biennials. <i>Physiologia Plantarum</i> , 2014, 152, 763-772.	2.6	29
14	Differences in light-harvesting, acclimation to growth-light environment, and leaf structural development between Swedish and Italian ecotypes of <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2015, 242, 1277-1290.	1.6	27
15	Non-Photochemical Fluorescence Quenching in Contrasting Plant Species and Environments. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 531-552.	1.0	25
16	Acclimation of Swedish and Italian ecotypes of <i>Arabidopsis thaliana</i> to light intensity. <i>Photosynthesis Research</i> , 2017, 134, 215-229.	1.6	22
17	Evaluating the link between photosynthetic capacity and leaf vascular organization with principal component analysis. <i>Photosynthetica</i> , 2018, 56, 392-403.	0.9	19
18	Light, temperature and tocopherol status influence foliar vascular anatomy and leaf function in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2017, 160, 98-110.	2.6	18

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19	Photosynthetic Modulation in Response to Plant Activity and Environment. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 493-563.	1.0	17
20	Features of the Duckweed Lemna That Support Rapid Growth under Extremes of Light Intensity. <i>Cells</i> , 2021, 10, 1481.	1.8	16
21	Chloroplast Photoprotection and the Trade-Off Between Abiotic and Biotic Defense. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 631-643.	1.0	15
22	Growth and Nutritional Quality of Lemnaceae Viewed Comparatively in an Ecological and Evolutionary Context. <i>Plants</i> , 2022, 11, 145.	1.6	13
23	Algal glycerol accumulation and release as a sink for photosynthetic electron transport. <i>Algal Research</i> , 2017, 21, 161-168.	2.4	10
24	Leaf Vasculature and the Upper Limit of Photosynthesis. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 27-54.	1.0	10
25	Tocopherols modulate leaf vein arrangement and composition without impacting photosynthesis. <i>Photosynthetica</i> , 2018, 56, 382-391.	0.9	8
26	Intersections: photosynthesis, abiotic stress, and the plant microbiome. <i>Photosynthetica</i> , 2022, 60, 59-69.	0.9	8
27	Genotype-dependent contribution of CBF transcription factors to long-term acclimation to high light and cool temperature. <i>Plant, Cell and Environment</i> , 2022, 45, 392-411.	2.8	7
28	Less photoprotection can be good in some genetic and environmental contexts. <i>Biochemical Journal</i> , 2019, 476, 2017-2029.	1.7	6
29	<i>Arabidopsis thaliana</i> Ei-5: Minor Vein Architecture Adjustment Compensates for Low Vein Density in Support of Photosynthesis. <i>Frontiers in Plant Science</i> , 2018, 9, 693.	1.7	5
30	Quantification of Leaf Phloem Anatomical Features with Microscopy. <i>Methods in Molecular Biology</i> , 2019, 2014, 55-72.	0.4	5
31	Photosynthesis and foliar vascular adjustments to growth light intensity in summer annual species with symplastic and apoplastic phloem loading. <i>Journal of Plant Physiology</i> , 2021, 267, 153532.	1.6	5
32	Physiological trait networks enhance understanding of crop growth and water use in contrasting environments. <i>Plant, Cell and Environment</i> , 2022, 45, 2554-2572.	2.8	5
33	Effects of Foliar Redox Status on Leaf Vascular Organization Suggest Avenues for Cooptimization of Photosynthesis and Heat Tolerance. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2507.	1.8	4
34	Foliar sieve elements: Nexus of the leaf. <i>Journal of Plant Physiology</i> , 2022, 269, 153601.	1.6	2
35	Distinct Cold Acclimation of Productivity Traits in <i>Arabidopsis thaliana</i> Ecotypes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2129.	1.8	2