Elias Kaiser

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6741367/publications.pdf

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29 papers	1,278 citations	394421 19 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1139 citing authors

#	Article	IF	Citations
1	Integrating the stages of photosynthesis. , 2022, , 195-242.		3
2	NaCl affects photosynthetic and stomatal dynamics by osmotic effects and reduces photosynthetic capacity by ionic effects in tomato. Journal of Experimental Botany, 2022, 73, 3637-3650.	4.8	16
3	Variation of Photosynthetic Induction in Major Horticultural Crops Is Mostly Driven by Differences in Stomatal Traits. Frontiers in Plant Science, 2022, 13, 860229.	3.6	4
4	Red/blue light ratios induce morphology and physiology alterations differently in cucumber and tomato. Scientia Horticulturae, 2021, 281, 109995.	3.6	31
5	LED and HPS Supplementary Light Differentially Affect Gas Exchange in Tomato Leaves. Plants, 2021, 10, 810.	3.5	9
6	Integrating chlorophyll fluorescence parameters into a crop model improves growth prediction under severe drought. Agricultural and Forest Meteorology, 2021, 303, 108367.	4.8	13
7	Acclimating Cucumber Plants to Blue Supplemental Light Promotes Growth in Full Sunlight. Frontiers in Plant Science, 2021, 12, 782465.	3.6	3
8	Is nitric oxide a critical key factor in ABA-induced stomatal closure?. Journal of Experimental Botany, 2020, 71, 399-410.	4.8	21
9	High Stomatal Conductance in the Tomato Flacca Mutant Allows for Faster Photosynthetic Induction. Frontiers in Plant Science, 2020, 11, 1317.	3.6	20
10	UVA radiation promotes tomato growth through morphological adaptation leading to increased light interception. Environmental and Experimental Botany, 2020, 176, 104073.	4.2	31
11	Salt stress and fluctuating light have separate effects on photosynthetic acclimation, but interactively affect biomass. Plant, Cell and Environment, 2020, 43, 2192-2206.	5.7	35
12	Photorespiration Enhances Acidification of the Thylakoid Lumen, Reduces the Plastoquinone Pool, and Contributes to the Oxidation of P700 at a Lower Partial Pressure of CO2 in Wheat Leaves. Plants, 2020, 9, 319.	3.5	19
13	Growth under Fluctuating Light Reveals Large Trait Variation in a Panel of Arabidopsis Accessions. Plants, 2020, 9, 316.	3.5	14
14	H⁺ Transport by K⁺ EXCHANGE ANTIPORTER3 Promotes Photosynthesis and Growth in Chloroplast ATP Synthase Mutants. Plant Physiology, 2020, 182, 2126-2142.	4.8	32
15	Photosynthetic Acclimation to Fluctuating Irradiance in Plants. Frontiers in Plant Science, 2020, 11, 268.	3.6	66
16	Far-red radiation increases dry mass partitioning to fruits but reduces Botrytis cinerea resistance in tomato. Environmental and Experimental Botany, 2019, 168, 103889.	4.2	51
17	Partial replacement of red and blue by green light increases biomass and yield in tomato. Scientia Horticulturae, 2019, 249, 271-279.	3.6	46
18	Red/blue light ratio strongly affects steadyâ€state photosynthesis, but hardly affects photosynthetic induction in tomato (<scp>Solanum lycopersicum</scp>). Physiologia Plantarum, 2019, 167, 144-158.	5.2	31

#	Article	IF	Citations
19	Efficient photosynthesis in dynamic light environments: a chloroplast's perspective. Biochemical Journal, 2019, 476, 2725-2741.	3.7	63
20	Short-term salt stress strongly affects dynamic photosynthesis, but not steady-state photosynthesis, in tomato (Solanum lycopersicum). Environmental and Experimental Botany, 2018, 149, 109-119.	4.2	49
21	Fluctuating Light Takes Crop Photosynthesis on a Rollercoaster Ride. Plant Physiology, 2018, 176, 977-989.	4.8	164
22	Dynamic modelling of limitations on improving leaf CO₂ assimilation under fluctuating irradiance. Plant, Cell and Environment, 2018, 41, 589-604.	5.7	53
23	Acclimation of photosynthesis to lightflecks in tomato leaves: interaction with progressive shading in a growing canopy. Physiologia Plantarum, 2018, 162, 506-517.	5.2	27
24	Adding Blue to Red Supplemental Light Increases Biomass and Yield of Greenhouse-Grown Tomatoes, but Only to an Optimum. Frontiers in Plant Science, 2018, 9, 2002.	3.6	100
25	Photosynthetic induction and its diffusional, carboxylation and electron transport processes as affected by CO₂partial pressure, temperature, air humidity and blue irradiance. Annals of Botany, 2017, 119, 191-205.	2.9	73
26	Elevated CO2 increases photosynthesis in fluctuating irradiance regardless of photosynthetic induction state. Journal of Experimental Botany, 2017, 68, 5629-5640.	4.8	38
27	Effects of Diffuse Light on Radiation Use Efficiency of Two Anthurium Cultivars Depend on the Response of Stomatal Conductance to Dynamic Light Intensity. Frontiers in Plant Science, 2016, 7, 56.	3.6	17
28	Metabolic and diffusional limitations of photosynthesis in fluctuating irradiance in Arabidopsis thaliana. Scientific Reports, 2016, 6, 31252.	3.3	76
29	Dynamic photosynthesis in different environmental conditions. Journal of Experimental Botany, 2015, 66, 2415-2426.	4.8	173