

Angeles Calatayud

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

3,384
citations

185998

28
h-index

149479

56
g-index

76
all docs

76
docs citations

76
times ranked

3456
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequently asked questions about in vivo chlorophyll fluorescence: practical issues. <i>Photosynthesis Research</i> , 2014, 122, 121-158.	1.6	585
2	Frequently asked questions about chlorophyll fluorescence, the sequel. <i>Photosynthesis Research</i> , 2017, 132, 13-66.	1.6	419
3	Applications of chlorophyll fluorescence imaging technique in horticultural research: A review. <i>Scientia Horticulturae</i> , 2012, 138, 24-35.	1.7	230
4	Spatial-temporal variations in rose leaves under water stress conditions studied by chlorophyll fluorescence imaging. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 564-573.	2.8	129
5	Chlorophyll a fluorescence, antioxidant enzymes and lipid peroxidation in tomato in response to ozone and benomyl. <i>Environmental Pollution</i> , 2001, 115, 283-289.	3.7	127
6	Response to ozone in two lettuce varieties on chlorophyll a fluorescence, photosynthetic pigments and lipid peroxidation. <i>Plant Physiology and Biochemistry</i> , 2004, 42, 549-555.	2.8	126
7	Salt-tolerant rootstock increases yield of pepper under salinity through maintenance of photosynthetic performance and sinks strength. <i>Journal of Plant Physiology</i> , 2016, 193, 1-11.	1.6	88
8	Effects of 2-month ozone exposure in spinach leaves on photosynthesis, antioxidant systems and lipid peroxidation. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 839-845.	2.8	87
9	Changes in chlorophyll a fluorescence, photosynthetic CO ₂ assimilation and xanthophyll cycle interconversions during dehydration in desiccation-tolerant and intolerant liverworts. <i>Planta</i> , 1998, 207, 224-228.	1.6	82
10	Effects of ozone on photosynthetic CO ₂ exchange, chlorophyll a fluorescence and antioxidant systems in lettuce leaves. <i>Physiologia Plantarum</i> , 2002, 116, 308-316.	2.6	79
11	Changes in in vivo chlorophyll fluorescence quenching in lichen thalli as a function of water content and suggestion of zeaxanthin-associated photoprotection. <i>Physiologia Plantarum</i> , 1997, 101, 93-102.	2.6	71
12	Responses of citrus plants to ozone: leaf biochemistry, antioxidant mechanisms and lipid peroxidation. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 125-131.	2.8	63
13	Non-invasive tools to estimate stress-induced changes in photosynthetic performance in plants inhabiting Mediterranean areas. <i>Environmental and Experimental Botany</i> , 2014, 103, 42-52.	2.0	58
14	Effects of SO ₂ fumigations on photosynthetic CO ₂ gas exchange, chlorophyll a fluorescence emission and antioxidant enzymes in the lichens <i>Evernia prunastri</i> and <i>Ramalina farinacea</i> . <i>Physiologia Plantarum</i> , 1999, 105, 648-654.	2.6	56
15	Response of Spinach Leaves (<i>Spinacia oleracea</i> L.) to Ozone Measured by Gas Exchange, Chlorophyll a Fluorescence, Antioxidant Systems, and Lipid Peroxidation. <i>Photosynthetica</i> , 2004, 42, 23-29.	0.9	55
16	Effect of two nutrient solution temperatures on nitrate uptake, nitrate reductase activity, NH ₄ ⁺ concentration and chlorophyll a fluorescence in rose plants. <i>Environmental and Experimental Botany</i> , 2008, 64, 65-74.	2.0	55
17	Some rootstocks improve pepper tolerance to mild salinity through ionic regulation. <i>Plant Science</i> , 2015, 230, 12-22.	1.7	55
18	Rootstock alleviates PEG-induced water stress in grafted pepper seedlings: Physiological responses. <i>Journal of Plant Physiology</i> , 2014, 171, 842-851.	1.6	51

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19	Grafting pepper onto tolerant rootstocks: An environmental-friendly technique overcome water and salt stress. <i>Scientia Horticulturae</i> , 2017, 226, 33-41.	1.7	50
20	The effects of foliar fertilization with iron sulfate in chlorotic leaves are limited to the treated area. A study with peach trees (<i>Prunus persica</i> L. Batsch) grown in the field and sugar beet (<i>Beta vulgaris</i> L.) grown in hydroponics. <i>Frontiers in Plant Science</i> , 2014, 5, 2.	1.7	49
21	Pepper Rootstock and Scion Physiological Responses Under Drought Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 38.	1.7	47
22	Optimization of Nutrition in Soilless Systems: A Review. <i>Advances in Botanical Research</i> , 2010, 53, 193-245.	0.5	42
23	Effects of ascorbate feeding on chlorophyll fluorescence and xanthophyll cycle components in the lichen <i>Parmelia quercina</i> (Willd.) Vainio exposed to atmospheric pollutants. <i>Physiologia Plantarum</i> , 1999, 105, 679-684.	2.6	39
24	Editorial: Chlorophyll Fluorescence Imaging Analysis in Biotic and Abiotic Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 658500.	1.7	38
25	Determination of Ascorbic Acid and Total Ascorbic Acid in Vascular and Nonvascular Plants by Capillary Zone Electrophoresis. <i>Analytical Biochemistry</i> , 1998, 265, 275-281.	1.1	34
26	Differences in ozone sensitivity in three varieties of cabbage (<i>Brassica oleracea</i> L.) in the rural Mediterranean area. <i>Journal of Plant Physiology</i> , 2002, 159, 863-868.	1.6	32
27	Water relations, chlorophyll fluorescence, and membrane permeability during desiccation in bryophytes from xeric, mesic, and hydric environments. <i>Canadian Journal of Botany</i> , 1998, 76, 1923-1929.	1.2	31
28	Effects of simple and double grafting melon plants on mineral absorption, photosynthesis, biomass and yield. <i>Scientia Horticulturae</i> , 2011, 130, 575-580.	1.7	31
29	Effects of long-term ozone exposure on citrus: Chlorophyll a fluorescence and gas exchange. <i>Photosynthetica</i> , 2006, 44, 548-554.	0.9	27
30	Evaluation of some pepper genotypes as rootstocks in water stress conditions. <i>Zahradnictvi (Prague)</i> , 2008, 10, 27.	0.8	27
31	Physiological and Biochemical Responses to Salt Stress in Cultivated Eggplant (<i>Solanum melongena</i> L.) and in <i>S. insanum</i> L., a Close Wild Relative. <i>Agronomy</i> , 2020, 10, 651.	1.3	27
32	Use of chlorophyll fluorescence imaging as diagnostic technique to predict compatibility in melon graft. <i>Scientia Horticulturae</i> , 2013, 149, 13-18.	1.7	24
33	Light acclimation in rose (<i>Rosa hybrida</i> cv. Grand Gala) leaves after pruning: Effects on chlorophyll a fluorescence, nitrate reductase, ammonium and carbohydrates. <i>Scientia Horticulturae</i> , 2007, 111, 152-159.	1.7	23
34	The Nutritional Quality Potential of Microgreens, Baby Leaves, and Adult Lettuce: An Underexploited Nutraceutical Source. <i>Foods</i> , 2022, 11, 423.	1.9	23
35	Changes in net photosynthesis, chlorophyll fluorescence and xanthophyll cycle interconversions during freeze-thaw cycles in the Mediterranean moss <i>Leucodon sciuroides</i> . <i>Oecologia</i> , 1999, 120, 499-505.	0.9	22
36	Chlorophyll a Fluorescence Emission, Xanthophyll Cycle Activity, and Net Photosynthetic Rate Responses to Ozone in Some Foliose and Fruticose Lichen Species. <i>Photosynthetica</i> , 2000, 38, 281-286.	0.9	19

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37	Simultaneous Determination of Ascorbic Acid, Glutathione, and Their Oxidized Forms in Ozone-Exposed Vascular Plants by Capillary Zone Electrophoresis. <i>Environmental Science & Technology</i> , 2000, 34, 1331-1336.	4.6	19
38	EFFECT OF DIFFERENT ROOTSTOCKS ON GROWTH, CHLOROPHYLL FLUORESCENCE AND MINERAL COMPOSITION OF TWO GRAFTED SCIONS OF TOMATO. <i>Journal of Plant Nutrition</i> , 2013, 36, 825-835.	0.9	19
39	Ascorbic Acid Alleviates Water Stress in Young Peach Trees and Improves Their Performance after Rewatering. <i>Frontiers in Plant Science</i> , 2017, 8, 1627.	1.7	19
40	Physiological changes of pepper accessions in response to salinity and water stress. <i>Spanish Journal of Agricultural Research</i> , 2017, 15, e0804.	0.3	19
41	Physiological characterization of a pepper hybrid rootstock designed to cope with salinity stress. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 207-219.	2.8	18
42	Effect of Grafting on the Production, Physico-Chemical Characteristics and Nutritional Quality of Fruit from Pepper Landraces. <i>Antioxidants</i> , 2020, 9, 501.	2.2	16
43	Changes in Water Economy in Relation to Anatomical and Morphological Characteristics During Thallus Development in <i>Parmelia Acetabulum</i> . <i>Lichenologist</i> , 1999, 31, 375-387.	0.5	15
44	Physiological effects of pruning in rose plants cv. Grand Gala. <i>Scientia Horticulturae</i> , 2008, 116, 73-79.	1.7	15
45	Phenotyping Local Eggplant Varieties: Commitment to Biodiversity and Nutritional Quality Preservation. <i>Frontiers in Plant Science</i> , 2021, 12, 696272.	1.7	15
46	Adaptation to Water and Salt Stresses of <i>Solanum pimpinellifolium</i> and <i>Solanum lycopersicum</i> var. <i>cerasiforme</i> . <i>Agronomy</i> , 2020, 10, 1169.	1.3	14
47	Changes in Water Economy in Relation to Anatomical and Morphological Characteristics During Thallus Development in <i>Parmelia Acetabulum</i> . <i>Lichenologist</i> , 1999, 31, 375.	0.5	13
48	Interactions between nitrogen fertilization and ozone in watermelon cultivar Reina de Corazones in open-top chambers. Effects on chlorophyll a fluorescence, lipid peroxidation, and yield. <i>Photosynthetica</i> , 2006, 44, 93-101.	0.9	13
49	Pepper Crop under Climate Change: Grafting as an Environmental Friendly Strategy. , 0, , .		13
50	Bioactive Compounds and Antioxidant Capacity of Valencian Pepper Landraces. <i>Molecules</i> , 2021, 26, 1031.	1.7	13
51	Hexacyanoferrate (III) stimulation of elongation in coleoptile segments from <i>Zea mays</i> L. <i>Protoplasma</i> , 1995, 184, 63-71.	1.0	12
52	Foliar Spraying with Zineb Increases Fruit Productivity and Alleviates Oxidative Stress in Two Tomato Cultivars. <i>Photosynthetica</i> , 2000, 38, 149-154.	0.9	12
53	Similar Effects of Ozone on Four Cultivars of Lettuce in Open Top Chambers During Winter. <i>Photosynthetica</i> , 2002, 40, 195-200.	0.9	12
54	Grafting Enhances Pepper Water Stress Tolerance by Improving Photosynthesis and Antioxidant Defense Systems. <i>Antioxidants</i> , 2021, 10, 576.	2.2	12

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55	Suitable rootstocks can alleviate the effects of heat stress on pepper plants. <i>Scientia Horticulturae</i> , 2021, 290, 110529.	1.7	12
56	Multidisciplinary approach to describe <i>Trebouxia</i> diversity within lichenized fungi <i>Buellia zoharyi</i> from the Canary Islands. <i>Symbiosis</i> , 2020, 82, 19-34.	1.2	11
57	Uncovering salt tolerance mechanisms in pepper plants: a physiological and transcriptomic approach. <i>BMC Plant Biology</i> , 2021, 21, 169.	1.6	11
58	Changes in Chlorophyll a Fluorescence, Lipid Peroxidation, and Detoxificant System in Potato Plants Grown under Filtered and Non-Filtered Air in Open-Top Chambers. <i>Photosynthetica</i> , 2001, 39, 507-513.	0.9	10
59	Effects of calmodulin antagonists on auxin-stimulated proton extrusion in <i>Avena sativa</i> coleoptile segments. <i>Physiologia Plantarum</i> , 1993, 87, 68-76.	2.6	9
60	Grafting onto an Appropriate Rootstock Reduces the Impact on Yield and Quality of Controlled Deficit Irrigated Pepper Crops. <i>Agronomy</i> , 2020, 10, 1529.	1.3	9
61	A new method to isolate lichen algae by using percoll® gradient centrifugation. <i>Lichenologist</i> , 2001, 33, 361-366.	0.5	8
62	Chlorophyll fluorescence as indicator of atmospheric pollutant effects. <i>Toxicological and Environmental Chemistry</i> , 2007, 89, 627-639.	0.6	6
63	Postharvest Changes in the Nutritional Properties of Commercial and Traditional Lettuce Varieties in Relation with Overall Visual Quality. <i>Agronomy</i> , 2022, 12, 403.	1.3	6
64	Acclimation Potential to High Irradiance of Two Cultivars of Watermelon. <i>Biologia Plantarum</i> , 2000, 43, 387-391.	1.9	5
65	Chlorophyll a fluorescence in transplants of <i>Parmelia sulcata</i> Taylor near a power station (La Robla, Tj ETQq1 1 0.784314 rgBJ /Overlo	0.5	5
66	Main Root Adaptations in Pepper Germplasm (<i>Capsicum</i> spp.) to Phosphorus Low-Input Conditions. <i>Agronomy</i> , 2020, 10, 637.	1.3	5
67	Chlorophyll fluorescence imaging can reflect development of vascular connection in grafting union in some Solanaceae species. <i>Photosynthetica</i> , 2017, 55, 671-678.	0.9	3
68	Strategies to Avoid Salinity and Hydric Stress of Pepper Grafted Plants. <i>Procedia Environmental Sciences</i> , 2015, 29, 211-212.	1.3	2
69	1-Naphthyl Acetate-Dependent Medium Acidification by <i>Zea mays</i> L. Coleoptile Segments. <i>Plant Physiology</i> , 1991, 95, 1174-1180.	2.3	1
70	Phenotypic Divergence among Sweet Pepper Landraces Assessed by Agro-Morphological Characterization as a Biodiversity Source. <i>Agronomy</i> , 2022, 12, 632.	1.3	1
71	Improving Bell Pepper Crop Performance and Fruit Quality under Suboptimal Calcium Conditions by Grafting onto Tolerant Rootstocks. <i>Agronomy</i> , 2022, 12, 1644.	1.3	1
72	Chlorophyll A Fluorescence and Chlorophyll Content in <i>Parmelia Quercina</i> Thalli from a Polluted Region of Northern Castellon (Spain). <i>Lichenologist</i> , 1996, 28, 49.	0.5	0

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73	COMPARING MINERAL UPTAKE EFFICIENCIES IN ROSE PLANT FLOWERING FLUSHES UNDER TWO CLIMATE CONDITIONS. <i>Acta Horticulturae</i> , 2008, , 1135-1142.	0.1	0
74	SHORT-TERM NITRATE UPTAKE RATES FOR SOILLESS CULTURE: SEASONAL EMPIRICAL RELATIONSHIPS FOR ROSE CROP PRODUCTION. <i>Acta Horticulturae</i> , 2008, , 1129-1134.	0.1	0