Salvador Nogues

List of Publications by Year
in descending order

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Version: 2024-02-01

97	6,714	71004	71088
papers	citations	43 h-index	80 g-index

97	97	97	6706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chromosome doubling methods in doubled haploid and haploid inducer-mediated genome-editing systems in major crops. Plant Cell Reports, 2021, 40, 255-270.	2.8	20
2	Anther Culture and Chromosome Doubling in Mediterranean Japonica Rice. Methods in Molecular Biology, 2021, 2287, 333-341.	0.4	2
3	Arundo donax L.: How High Photosynthetic Capacity Is Maintained under Water Scarcity Conditions. Agronomy, 2021, 11, 1089.	1.3	6
4	Characterization of Different Arundo donax L. Clones from the Mediterranean Region. Agronomy, 2021, 11, 1347.	1.3	1
5	Doubled Haploid Parthenogenetic Production of Melon â€˜Piel de Sapoâ€™. Methods in Molecular Biology, 2021, 2289, 87-95.	0.4	3
6	Opportunities and Challenges in Doubled Haploids and Haploid Inducer-Mediated Genome-Editing Systems in Cucurbits. Agronomy, 2020, 10, 1441.	1.3	15
7	No preferential carbon-allocation to storage over growth in clipped birch and oak saplings. Tree Physiology, 2020, 40, 621-636.	1.4	9
8	Chromosome doubling of androgenic haploid plantlets of rice (Oryza sativa) using antimitotic compounds. Plant Breeding, 2020, 139, 754-761.	1.0	17
9	In situ Parthenogenetic Doubled Haploid Production in Melon â€œPiel de Sapoâ€•for Breeding Purposes. Frontiers in Plant Science, 2020, 11, 378.	1.7	13
10	Limited carbon inputs from plants into soils in arid ecosystems: a study of changes in the Î´13C in the soil-root interface. Plant and Soil, 2019, 443, 307-322.	1.8	1
11	Phytohormone Profiling Method for Rice: Effects of GA20ox Mutation on the Gibberellin Content of Japonica Rice Varieties. Frontiers in Plant Science, 2019, 10, 733.	1.7	8
12	Colchicine and osmotic stress for improving anther culture efficiency on long grain temperate and tropical japonica rice genotypes. Plant Biotechnology, 2019, 36, 269-273.	0.5	5
13	Efficient knockout of phytoene desaturase gene using CRISPR/Cas9 in melon. Scientific Reports, 2019, 9, 17077.	1.6	61
14	Do metabolic changes underpin physiological responses to water limitation in alfalfa (Medicago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.4	15
15	Nuclei Release Methods Comparison for Fresh Leaves of Rice (Oryza sativa) for Efficient High Throughput Flow Cytometry Ploidy Studies. Journal of Plant Studies, 2019, 8, 31.	0.3	4
16	Giant Reed. , 2018, , 107-151.		5
17	Antimitotic and hormone effects on green double haploid plant production through anther culture of Mediterranean japonica rice. Plant Cell, Tissue and Organ Culture, 2018, 134, 205-215.	1.2	23
18	Morpho-Physiological Responses of Alamo Switchgrass During Germination and Early Seedling Stage Under Salinity or Water Stress Conditions. Bioenergy Research, 2018, 11, 677-688.	2.2	9

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19	An improved anther culture procedure for obtaining new commercial Mediterranean temperate japonica rice (Oryza sativa) genotypes. Plant Biotechnology, 2018, 35, 161-166.	0.5	8
20	Four years of experimental warming do not modify the interaction between subalpine shrub species. Oecologia, 2017, 183, 1167-1181.	0.9	13
21	Short-term carbon allocation dynamics in subalpine dwarf shrubs and their responses to experimental summer drought. Environmental and Experimental Botany, 2017, 141, 92-102.	2.0	10
22	The response of Arundo donax L. (C 3) and Panicum virgatum (C 4) to different stresses. Biomass and Bioenergy, 2016, 85, 335-345.	2.9	24
23	Vaccinium myrtillus stands show similar structure and functioning under different scenarios of coexistence at the Pyrenean treeline. Plant Ecology, 2016, 217, 1115-1128.	0.7	21
24	Carbon and nitrogen allocation and partitioning in traditional and modern wheat genotypes under preâ€industrial and future <scp>CO</scp>₂ conditions. Plant Biology, 2015, 17, 647-659.	1.8	22
25	Leaf Î´15N as a physiological indicator of the responsiveness of N2-fixing alfalfa plants to elevated [CO2], temperature and low water availability. Frontiers in Plant Science, 2015, 6, 574.	1.7	19
26	Rhizodeposition of organic carbon by plants with contrasting traits for resource acquisition: responses to different fertility regimes. Plant and Soil, 2015, 394, 391-406.	1.8	29
27	The effects of depleted, current and elevated growth [CO2] in wheat are modulated by water availability. Environmental and Experimental Botany, 2015, 112, 55-66.	2.0	11
28	Salinity and Water Stress Effects on Biomass Production in Different Arundo donax L. Clones. Bioenergy Research, 2015, 8, 1461-1479.	2.2	61
29	Effect of shoot removal on remobilization of carbon and nitrogen during regrowth of nitrogenâ€fixing alfalfa. Physiologia Plantarum, 2015, 153, 91-104.	2.6	18
30	Two distinct plant respiratory physiotypes might exist which correspond to fast-growing and slow-growing species. Journal of Plant Physiology, 2014, 171, 1157-1163.	1.6	7
31	EMS mutagenesis in mature seed-derived rice calli as a new method for rapidly obtaining TILLING mutant populations. Plant Methods, 2014, 10, 5.	1.9	82
32	On the relationship between C and N fixation and amino acid synthesis in nodulated alfalfa (Medicago) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	16
33	Effects of pre-industrial, current and future [CO2] in traditional and modern wheat genotypes. Journal of Plant Physiology, 2014, 171, 1654-1663.	1.6	4
34	A Mediterranean japonica rice (Oryza sativa) cultivar improvement through anther culture. Euphytica, 2014, 195, 31-44.	0.6	20
35	Carbon and nitrogen partitioning during the postâ€anthesis period is conditioned by N fertilisation and sink strength in three cereals. Plant Biology, 2013, 15, 135-143.	1.8	25
36	Metabolic origin of Î´¹⁵N values in nitrogenous compounds from Brassica napus L. leaves. Plant, Cell and Environment, 2013, 36, 128-137.	2.8	39

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37	Carbohydrate and nitrogen stores in Festuca paniculata under mowing explain dominance in subalpine grasslands. Plant Biology, 2013, 15, 395-404.	1.8	26
38	Concerted changes in N and C primary metabolism in alfalfa (Medicago sativa) under water restriction. Journal of Experimental Botany, 2013, 64, 1-17.	2.4	41
39	Potential of Local Bio-Geoengineering to Mitigate Dangerous Temperature Increases in a Global Warming Scenario. Journal of Earth Science & Climatic Change, 2013, 04, .	0.2	3
40	Relationship Between Photosynthesis and Respiration in Leaves Using 13C/12C Isotope Labelling. Advanced Topics in Science and Technology in China, 2013, , 301-303.	0.0	0
41	Plant physiology and proteomics reveals the leaf response to drought in alfalfa (Medicago sativa L.). Journal of Experimental Botany, 2011, 62, 111-123.	2.4	227
42	Autotrophic and heterotrophic contributions to short-term soil CO₂efflux following simulated summer precipitation pulses in a Mediterranean dehesa. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	51
43	Dual Î”¹³C/Î´¹⁸O response to water and nitrogen availability and its relationship with yield in fieldâ€grown durum wheat. Plant, Cell and Environment, 2011, 34, 418-433.	2.8	65
44	Maintenance of C sinks sustains enhanced C assimilation during long-term exposure to elevated [CO2] in Mojave Desert shrubs. Oecologia, 2011, 167, 339-354.	0.9	23
45	Measurement of ¹³C and ¹⁵N isotope labeling by gas chromatography/combustion/isotope ratio mass spectrometry to study amino acid fluxes in a plantâ€“microbe symbiotic association. Rapid Communications in Mass Spectrometry, 2011, 25, 599-607.	0.7	39
46	NDVI as a potential tool for predicting biomass, plant nitrogen content and growth in wheat genotypes subjected to different water and nitrogen conditions. Cereal Research Communications, 2011, 39, 147-159.	0.8	147
47	Does ear C sink strength contribute to overcoming photosynthetic acclimation of wheat plants exposed to elevated CO2?. Journal of Experimental Botany, 2011, 62, 3957-3969.	2.4	146
48	In folio isotopic tracing demonstrates that nitrogen assimilation into glutamate is mostly independent from current CO₂ assimilation in illuminated leaves of Brassica napus. New Phytologist, 2010, 185, 988-999.	3.5	152
49	On the ¹³C/¹²C isotopic signal of day and night respiration at the mesocosm level. Plant, Cell and Environment, 2010, 33, 900-913.	2.8	56
50	Photosynthetic down-regulation under elevated CO2 exposure can be prevented by nitrogen supply in nodulated alfalfa. Journal of Plant Physiology, 2010, 167, 1558-1565.	1.6	71
51	Tritordeum, wheat and triticale yield components under multi-local mediterranean drought conditions. Field Crops Research, 2010, 116, 68-74.	2.3	46
52	13C and 15N allocations of two alpine species from early and late snowmelt locations reflect their different growth strategies. Journal of Experimental Botany, 2009, 60, 2725-2735.	2.4	21
53	Water and nitrogen conditions affect the relationships of Î”13C and Î”18O to gas exchange and growth in durum wheat. Journal of Experimental Botany, 2009, 60, 1633-1644.	2.4	72
54	Elevated CO2 and water-availability effect on gas exchange and nodule development in N2-fixing alfalfa plants. Environmental and Experimental Botany, 2009, 65, 18-26.	2.0	37

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55	Photosynthetic capacity of field-grown durum wheat under different N availabilities: A comparative study from leaf to canopy. Environmental and Experimental Botany, 2009, 67, 145-152.	2.0	56
56	Effects of longâ€term exposure to elevated CO₂ conditions in slowâ€growing plants using a ¹²Câ€enriched CO₂â€labelling technique. Rapid Communications in Mass Spectrometry, 2009, 23, 282-290.	0.7	10
57	Shortâ€term dynamics of isotopic composition of leafâ€respired CO₂ upon darkening: measurements and implications. Rapid Communications in Mass Spectrometry, 2009, 23, 2428-2438.	0.7	47
58	Preparation of starch and soluble sugars of plant material for the analysis of carbon isotope composition: a comparison of methods. Rapid Communications in Mass Spectrometry, 2009, 23, 2476-2488.	0.7	76
59	¹³C/¹²C isotope labeling to study carbon partitioning and dark respiration in cereals subjected to water stress. Rapid Communications in Mass Spectrometry, 2009, 23, 2819-2828.	0.7	22
60	Leaf carbon management in slowâ€growing plants exposed to elevated CO₂. Global Change Biology, 2009, 15, 97-109.	4.2	60
61	Effects of cucumber mosaic virus infection on electron transport and antioxidant system in chloroplasts and mitochondria of cucumber and tomato leaves. Physiologia Plantarum, 2009, 135, 246-257.	2.6	82
62	Brassinosteroids Alleviate Heat-Induced Inhibition of Photosynthesis by Increasing Carboxylation Efficiency and Enhancing Antioxidant Systems in Lycopersicon esculentum. Journal of Plant Growth Regulation, 2008, 27, 49-57.	2.8	255
63	Assessing the stable carbon isotopic composition of intercellular CO₂ in a CAM plant using gas chromatographyâ€combustionâ€isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 1017-1022.	0.7	25
64	The mechanism(s) involved in the photoprotection of PSII at elevated CO2 in nodulated alfalfa plants. Environmental and Experimental Botany, 2008, 64, 295-306.	2.0	38
65	Carbon partitioning in N2 fixing Medicago sativa plants exposed to different CO2 and temperature conditions. Functional Plant Biology, 2008, 35, 306.	1.1	50
66	Chill-Induced Decrease in Capacity of RuBP Carboxylation and Associated H2O2 Accumulation in Cucumber Leaves are Alleviated by Grafting onto Figleaf Gourd. Annals of Botany, 2007, 100, 839-848.	1.4	90
67	The Photosynthetic Role of Ears in C3 Cereals: Metabolism, Water Use Efficiency and Contribution to Grain Yield. Critical Reviews in Plant Sciences, 2007, 26, 1-16.	2.7	196
68	The combined effect of constant water deficit and nitrogen supply on WUE, NUE and Î”¹³C in durum wheat potted plants. Annals of Applied Biology, 2007, 151, 277-289.	1.3	116
69	Potential Effects of UV-B on Photosynthesis and Photosynthetic Productivity of Higher Plants. NATO Science Series Series IV, Earth and Environmental Sciences, 2006, , 137-146.	0.3	2
70	13C/12C isotope labelling to study leaf carbon respiration and allocation in twigs of field-grown beech trees. Rapid Communications in Mass Spectrometry, 2006, 20, 219-226.	0.7	35
71	Genotypic Variation of Rubisco Expression, Photosynthetic Electron Flow and Antioxidant Metabolism in the Chloroplasts of Chill-exposed Cucumber Plants. Plant and Cell Physiology, 2006, 47, 192-199.	1.5	87
72	Respiratory carbon metabolism in the high mountain plant species Ranunculus glacialis. Journal of Experimental Botany, 2006, 57, 3837-3845.	2.4	21

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73	Ear of durum wheat under water stress: water relations and photosynthetic metabolism. Planta, 2005, 221, 446-458.	1.6	177
74	Post-photosynthetic fractionation of stable carbon isotopes between plant organsâ€"a widespread phenomenon. Rapid Communications in Mass Spectrometry, 2005, 19, 1381-1391.	0.7	390
75	Does higher yield potential improve barley performance in Mediterranean conditions?. Field Crops Research, 2005, 91, 149-160.	2.3	60
76	Respiratory Carbon Metabolism following Illumination in Intact French Bean Leaves Using 13C/12C Isotope Labeling. Plant Physiology, 2004, 136, 3245-3254.	2.3	96
77	A role for brassinosteroids in the regulation of photosynthesis in Cucumis sativus. Journal of Experimental Botany, 2004, 55, 1135-1143.	2.4	318
78	The relationship between CO2 assimilation, photosynthetic electron transport and water-water cycle in chill-exposed cucumber leaves under low light and subsequent recovery. Plant, Cell and Environment, 2004, 27, 1503-1514.	2.8	137
79	Nitrogen source and water regime effects on barley photosynthesis and isotope signature. Functional Plant Biology, 2004, 31, 995.	1.1	54
80	Carbon isotope fractionation during dark respiration and photorespiration in C3 plants. Phytochemistry Reviews, 2003, 2, 145-161.	3.1	217
81	Metabolic Origin of Carbon Isotope Composition of Leaf Dark-Respired CO2 in French Bean. Plant Physiology, 2003, 131, 237-244.	2.3	248
82	An increase in water deficit has no impact on the photosynthetic capacity of field-grown Mediterranean plants. Functional Plant Biology, 2002, 29, 621.	1.1	44
83	Limitations to photosynthesis in tomato leaves induced by Fusarium wilt. New Phytologist, 2002, 154, 461-470.	3.5	90
84	Daily time course of whole-shoot gas exchange rates in two drought-exposed Mediterranean shrubs. Tree Physiology, 2001, 21, 51-58.	1.4	26
85	Effects of drought on photosynthesis in Mediterranean plants grown under enhanced UVâ€B radiation. Journal of Experimental Botany, 2000, 51, 1309-1317.	2.4	213
86	Effects of drought on photosynthesis in Mediterranean plants grown under enhanced UV-B radiation. Journal of Experimental Botany, 2000, 51, 1309-1317.	2.4	258
87	Diurnal variations of photosynthesis and dew absorption by leaves in two evergreen shrubs growing in Mediterranean field conditions. New Phytologist, 1999, 144, 109-119.	3.5	132
88	A thirty percent increase in UVâ€B has no impact on photosynthesis in wellâ€watered and droughted pea plants in the field. Global Change Biology, 1999, 5, 235-244.	4.2	71
89	Characterization of Stomatal Closure Caused by Ultraviolet-B Radiation. Plant Physiology, 1999, 121, 489-496.	2.3	123
90	Ozone depletion and increased UV-B radiation: is there a real threat to photosynthesis?. Journal of Experimental Botany, 1998, 49, 1775-1788.	2.4	221

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91	Ultraviolet-B Radiation Effects on Water Relations, Leaf Development, and Photosynthesis in Droughted Pea Plants1. Plant Physiology, 1998, 117, 173-181.	2.3	271
92	Review article. Ozone depletion and increased UV-B radiation: is there a real threat to photosynthesis?. Journal of Experimental Botany, 1998, 49, 1775-1788.	2.4	202
93	Photosynthesis and photoinhibition. , 1997, , 95-112.		50
94	Effects of enhanced UV-B radiation on pea (Pisum sativum L.) grown under field conditions in the UK. Global Change Biology, 1996, 2, 325-334.	4.2	57
95	Evaluation of the role of damage to photosystem II in the inhibition of CO2 assimilation in pea leaves on exposure to UV-B radiation. Plant, Cell and Environment, 1995, 18, 781-787.	2.8	121
96	Water Stress Effects on Photosynthesis in Mediterranean Shrubs: A Field Study. , 1995, , 3553-3556.		1
97	Session 10 Photosynthesis. Biologia Plantarum, 1994, 36, S133-S173.	1.9	0