

# Nuria De Diego

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44 papers	874 citations	19 h-index	28 g-index
50 ext. papers	1,323 ext. citations	5.1 avg, IF	4.38 L-index

#	Paper	IF	Citations
44	Elevated CO Improves the Physiology but Not the Final Yield in Spring Wheat Genotypes Subjected to Heat and Drought Stress During Anthesis.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 824476	6.2	3
43	Priming with Small Molecule-Based Biostimulants to Improve Abiotic Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>Plants</i> , <b>2022</b> , 11, 1287	4.5	1
42	Integration of Phenomics and Metabolomics Datasets Reveals Different Mode of Action of Biostimulants Based on Protein Hydrolysates in L. and L. Under Salinity.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 808711	6.2	0
41	Optimizing growing conditions for hydroponic farming of selected medicinal and aromatic plants.. <i>Food Chemistry</i> , <b>2021</b> , 375, 131845	8.5	2
40	Enhanced Yield of Pepper Plants Promoted by Soil Application of Volatiles From Cell-Free Fungal Culture Filtrates Is Associated With Activation of the Beneficial Soil Microbiota. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 752653	6.2	2
39	Phenolic Compounds and Biological Activity of Selected Species. <i>Plants</i> , <b>2021</b> , 10,	4.5	17
38	Phloem exudate metabolic content reflects the response to water-deficit stress in pea plants ( <i>Pisum sativum</i> L.). <i>Plant Journal</i> , <b>2021</b> , 106, 1338-1355	6.9	1
37	Seed Priming With Protein Hydrolysates Improves <i>Arabidopsis</i> Growth and Stress Tolerance to Abiotic Stresses. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 626301	6.2	6
36	Diphenylurea-derived cytokinin oxidase/dehydrogenase inhibitors for biotechnology and agriculture. <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 355-370	7	10
35	Proteostatic Regulation of MEP and Shikimate Pathways by Redox-Activated Photosynthesis Signaling in Plants Exposed to Small Fungal Volatiles. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 637976	6.2	3
34	Exogenous application of ZnO nanoparticles and ZnSO distinctly influence the metabolic response in <i>Phaseolus vulgaris</i> L. <i>Science of the Total Environment</i> , <b>2021</b> , 778, 146331	10.2	15
33	Volatiles from the fungal phytopathogen <i>Penicillium aurantiogriseum</i> modulate root metabolism and architecture through proteome resetting. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 2551-2570	8.4	9
32	Use of Plant Metabolites to Mitigate Stress Effects in Crops <b>2020</b> , 261-300		2
31	Bayesian approach for analysis of time-to-event data in plant biology. <i>Plant Methods</i> , <b>2020</b> , 16, 14	5.8	5
30	Interplay between 1-aminocyclopropane-1-carboxylic acid, L-aminobutyrate and D-glucose in the regulation of high nitrate-induced root growth inhibition in maize. <i>Plant Science</i> , <b>2020</b> , 293, 110418	5.3	2
29	Genes and , Coding for Cytokinin Biosynthesis Enzymes, Are Essential for Tumorigenesis and Growth by pv. savastanoi NCPPB 3335. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1294	6.2	3
28	Drought-Tolerance Gene Identification Using Genome Comparison and Co-Expression Network Analysis of Chromosome Substitution Lines in Rice. <i>Genes</i> , <b>2020</b> , 11,	4.2	2

27	Hormopriming to Mitigate Abiotic Stress Effects: A Case Study of -Substituted Cytokinin Derivatives With a Fluorinated Carbohydrate Moiety. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 599228	6.2	8
26	Plant responses to fungal volatiles involve global posttranslational thiol redox proteome changes that affect photosynthesis. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 2627-2644	8.4	18
25	Phytohormones and polyamines regulate plant stress responses by altering GABA pathway. <i>New Biotechnology</i> , <b>2019</b> , 48, 53-65	6.4	105
24	A Novel Image-Based Screening Method to Study Water-Deficit Response and Recovery of Barley Populations Using Canopy Dynamics Phenotyping and Simple Metabolite Profiling. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1252	6.2	9
23	The trans and cis zeatin isomers play different roles in regulating growth inhibition induced by high nitrate concentrations in maize. <i>Plant Growth Regulation</i> , <b>2018</b> , 85, 199-209	3.2	7
22	Plastidial Phosphoglucose Isomerase Is an Important Determinant of Seed Yield through Its Involvement in Gibberellin-Mediated Reproductive Development and Storage Reserve Biosynthesis in Arabidopsis. <i>Plant Cell</i> , <b>2018</b> , 30, 2082-2098	11.6	6
21	Characterization of Biostimulant Mode of Action Using Novel Multi-Trait High-Throughput Screening of Germination and Rosette Growth. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1327	6.2	33
20	The imbalance between C and N metabolism during high nitrate supply inhibits photosynthesis and overall growth in maize ( <i>Zea mays</i> L.). <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 120, 213-222	5.4	15
19	An Automated Method for High-Throughput Screening of Rosette Growth in Multi-Well Plates and Its Validation in Stress Conditions. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1702	6.2	22
18	Use of cytokinins as agrochemicals. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 484-92	3.4	30
17	Volatile compounds emitted by diverse phytopathogenic microorganisms promote plant growth and flowering through cytokinin action. <i>Plant, Cell and Environment</i> , <b>2016</b> , 39, 2592-2608	8.4	59
16	Arabidopsis Responds to <i>Alternaria alternata</i> Volatiles by Triggering Plastid Phosphoglucose Isomerase-Independent Mechanisms. <i>Plant Physiology</i> , <b>2016</b> , 172, 1989-2001	6.6	30
15	Metabolites and hormones are involved in the intraspecific variability of drought hardening in radiata pine. <i>Journal of Plant Physiology</i> , <b>2015</b> , 188, 64-71	3.6	31
14	High nitrate supply reduces growth in maize, from cell to whole plant. <i>Journal of Plant Physiology</i> , <b>2015</b> , 173, 120-9	3.6	27
13	Plastidic phosphoglucose isomerase is an important determinant of starch accumulation in mesophyll cells, growth, photosynthetic capacity, and biosynthesis of plastidic cytokinins in Arabidopsis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119641	3.7	19
12	Immunolocalization of IAA and ABA in roots and needles of radiata pine ( <i>Pinus radiata</i> ) during drought and rewatering. <i>Tree Physiology</i> , <b>2013</b> , 33, 537-49	4.2	35
11	Solute accumulation and elastic modulus changes in six radiata pine breeds exposed to drought. <i>Tree Physiology</i> , <b>2013</b> , 33, 69-80	4.2	45
10	Enhancing initiation and proliferation in radiata pine ( <i>Pinus radiata</i> D. Don) somatic embryogenesis through seed family screening, zygotic embryo staging and media adjustments. <i>Acta Physiologiae Plantarum</i> , <b>2012</b> , 34, 451-460	2.6	47

9	Physiological response to drought in radiata pine: phytohormone implication at leaf level. <i>Tree Physiology</i> , <b>2012</b> , 32, 435-49	4.2	52
8	A combined pathway of somatic embryogenesis and organogenesis to regenerate radiata pine plants. <i>Plant Biotechnology Reports</i> , <b>2011</b> , 5, 177-186	2.5	23
7	Testing novel cytokinins for improved in vitro adventitious shoots formation and subsequent ex vitro performance in Pinus radiata. <i>Forestry</i> , <b>2011</b> , 84, 363-373	2.2	24
6	Improved micropropagation protocol for maritime pine using zygotic embryos. <i>Scandinavian Journal of Forest Research</i> , <b>2011</b> , 26, 202-211	1.7	16
5	Bottlenecks in Pinus radiata somatic embryogenesis: improving maturation and germination. <i>Trees - Structure and Function</i> , <b>2010</b> , 24, 1061-1071	2.6	44
4	In vitro regeneration of adult Pinus sylvestris L. trees. <i>South African Journal of Botany</i> , <b>2010</b> , 76, 158-162	2.9	30
3	IN VITRO REGENERATION OF PINUS SPP. ADULT TREES: NEW METHOD FOR OBTAINING CLONAL PLANTS. <i>Acta Horticulturae</i> , <b>2010</b> , 361-365	0.3	3
2	Micropropagation of adult Stone Pine (Pinus pinea L.). <i>Trees - Structure and Function</i> , <b>2009</b> , 23, 835-842	2.6	21
1	In vitro regeneration of Pinus pinaster adult trees. <i>Canadian Journal of Forest Research</i> , <b>2008</b> , 38, 2607-2615	1.5	28