

# Jorge Teixeira

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3655562/publications.pdf>

Version: 2024-02-01

35  
papers

1,096  
citations

489802

18  
h-index

466096

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1657  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Polyamines as key regulatory players in plants under metal stress—A way for an enhanced tolerance. <i>Annals of Applied Biology</i> , 2021, 178, 209-226.   | 1.3 | 42        |
| 2  | Assessing predawn leaf water potential based on hyperspectral data and pigment's concentration of <i>Vitis vinifera</i> L. in the Douro Wine Region. <i>Scientia Horticulturae</i> , 2021, 278, 109860.   | 1.7 | 14        |
| 3  | Gene- and organ-specific impact of paracetamol on <i>Solanum nigrum</i> L.'s $\beta$ -glutamylcysteine synthetase and glutathione S-transferase and consequent phytoremediation fitness. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.  | 1.0 | 6         |
| 4  | Cr (VI)-induced oxidative damage impairs ammonia assimilation into organic forms in <i>Solanum lycopersicum</i> L. <i>Plant Stress</i> , 2021, 2, 100034.   | 2.7 | 8         |
| 5  | Specific glutathione-S-transferases ensure an efficient detoxification of diclofenac in <i>Solanum lycopersicum</i> L. plants. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 263-271.   | 2.8 | 8         |
| 6  | Foliar application of 24-epibrassinolide improves <i>Solanum nigrum</i> L. tolerance to high levels of Zn without affecting its remediation potential. <i>Chemosphere</i> , 2020, 244, 125579.  | 4.2 | 10        |
| 7  | Response of <i>Solanum lycopersicum</i> L. to diclofenac — Impacts on the plant's antioxidant mechanisms. <i>Environmental Pollution</i> , 2020, 258, 113762.   | 3.7 | 18        |
| 8  | Al exposure increases proline levels by different pathways in an Al-sensitive and an Al-tolerant rye genotype. <i>Scientific Reports</i> , 2020, 10, 16401.   | 1.6 | 13        |
| 9  | Diclofenac shifts the role of root glutamine synthetase and glutamate dehydrogenase for maintaining nitrogen assimilation and proline production at the expense of shoot carbon reserves in <i>Solanum lycopersicum</i> L. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29130-29142. | 2.7 | 16        |
| 10 | Physiological and biochemical responses to the exogenous application of proline of tomato plants irrigated with saline water. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2018, 17, 17-23.   | 1.0 | 41        |
| 11 | Differential effects of acetophenone on shoots' and roots' metabolism of <i>Solanum nigrum</i> L. plants and implications in its phytoremediation. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 391-398.   | 2.8 | 6         |
| 12 | Can nano-SiO <sub>2</sub> reduce the phytotoxicity of acetaminophen? — A physiological, biochemical and molecular approach. <i>Environmental Pollution</i> , 2018, 241, 900-911.  | 3.7 | 22        |
| 13 | Metalaxyl Effects on Antioxidant Defenses in Leaves and Roots of <i>Solanum nigrum</i> L.. <i>Frontiers in Plant Science</i> , 2017, 8, 1967.   | 1.7 | 31        |
| 14 | Oxidative Metabolism of Rye ( <i>Secale cereale</i> L.) after Short Term Exposure to Aluminum: Uncovering the Glutathione—Ascorbate Redox Network. <i>Frontiers in Plant Science</i> , 2016, 7, 685.  | 1.7 | 34        |
| 15 | Effect of 24-epibrassinolide on ROS content, antioxidant system, lipid peroxidation and Ni uptake in <i>Solanum nigrum</i> L. under Ni stress. <i>Environmental and Experimental Botany</i> , 2016, 122, 115-125.   | 2.0 | 175       |
| 16 | Targeting key metabolic points for an enhanced phytoremediation of wastewaters pre-treated by the photo-Fenton process using <i>Solanum nigrum</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 124-129.  | 2.9 | 6         |
| 17 | Improvement of Crop Production Under Saline Stress by a Biohydraulic Approach. , 2014, , 231-245.   |     | 1         |
| 18 | Influence of the temporal and spatial variation of nitrate reductase, glutamine synthetase and soil composition in the N species content in lettuce ( <i>Lactuca sativa</i> ). <i>Plant Science</i> , 2014, 219-220, 35-41.   | 1.7 | 31        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Metalaxyl-induced changes in the antioxidant metabolism of <i>Solanum nigrum</i> L. suspension cells. <i>Pesticide Biochemistry and Physiology</i> , 2013, 107, 235-243.  | 1.6 | 25        |
| 20 | Copper-induced stress in <i>Solanum nigrum</i> L. and antioxidant defense system responses. <i>Food and Energy Security</i> , 2013, 2, 70-80.   | 2.0 | 105       |
| 21 | Metallothionein multigene family expression is differentially affected by Chromium (III) and Vanadium in <i>Solanum nigrum</i> L. <i>Food and Energy Security</i> , 2013, 2, 130-140.   | 2.0 | 14        |
| 22 | Photo-Fenton plus <i>Solanum nigrum</i> L. weed plants integrated process for the abatement of highly concentrated metalaxyl on waste waters. <i>Chemical Engineering Journal</i> , 2012, 184, 213-220.   | 6.6 | 15        |
| 23 | Phytostabilization of nickel by the zinc and cadmium hyperaccumulator <i>Solanum nigrum</i> L. Are metallothioneins involved?. <i>Plant Physiology and Biochemistry</i> , 2012, 57, 254-260.  | 2.8 | 57        |
| 24 | <i>Solanum nigrum</i> L. antioxidant defence system isozymes are regulated transcriptionally and posttranslationally in Cd-induced stress. <i>Environmental and Experimental Botany</i> , 2011, 72, 312-319.  | 2.0 | 76        |
| 25 | <i>Solanum nigrum</i> L. weed plants as a remediation tool for metalaxyl-polluted effluents and soils. <i>Chemosphere</i> , 2011, 85, 744-750.  | 4.2 | 25        |
| 26 | Characterization of aspartic proteinases in <i>C. cardunculus</i> L. callus tissue for its prospective transformation. <i>Plant Science</i> , 2010, 178, 140-146.   | 1.7 | 20        |
| 27 | PrimerIdent: A web based tool for conserved primer design. <i>Bioinformatics</i> , 2010, 5, 52-54.  | 0.2 | 12        |
| 28 | Salt stress affects glutamine synthetase activity and mRNA accumulation on potato plants in an organ-dependent manner. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 807-813.  | 2.8 | 45        |
| 29 | Cardosins in postembryonic development of cardoon: towards an elucidation of the biological function of plant aspartic proteinases. <i>Protoplasma</i> , 2008, 232, 203-213.  | 1.0 | 29        |
| 30 | High salinity and drought act on an organ-dependent manner on potato glutamine synthetase expression and accumulation. <i>Environmental and Experimental Botany</i> , 2007, 60, 121-126.  | 2.0 | 103       |
| 31 | Specific roles of potato glutamine synthetase isoenzymes in callus tissue grown under salinity: molecular and biochemical responses. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 87, 1-7.   | 1.2 | 13        |
| 32 | Isolation and characterisation of a cDNA encoding a novel cytosolic ascorbate peroxidase from potato plants ( <i>Solanum tuberosum</i> L.). <i>Acta Physiologiae Plantarum</i> , 2006, 28, 41-47.   | 1.0 | 3         |
| 33 | Organ-specific distribution and subcellular localisation of ascorbate peroxidase isoenzymes in potato ( <i>Solanum tuberosum</i> L.) plants. <i>Protoplasma</i> , 2005, 226, 223-230.   | 1.0 | 5         |
| 34 | Glutamine synthetase of potato ( <i>Solanum tuberosum</i> L. cv. Desiree) plants: cell- and organ-specific expression and differential developmental regulation reveal specific roles in nitrogen assimilation and mobilization. <i>Journal of Experimental Botany</i> , 2005, 56, 663-671. | 2.4 | 39        |
| 35 | Regulation of glutamine synthetase expression in sunflower cells exposed to salt and osmotic stress. <i>Scientia Horticulturae</i> , 2004, 103, 101-111.  | 1.7 | 28        |