# Fernando A Piotto

List of Publications by Year
in descending order



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|---|---|---|---|
| 31 papers | 847 citations | 516710 16 h-index | 526287 27 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 986 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biochemical dissection of diageotropica and Never ripe tomato mutants to Cd-stressful conditions. Plant Physiology and Biochemistry, 2012, 56, 79-96. | 5.8 | 153 |
| 2 | Use of non-hyperaccumulator plant species for the phytoextraction of heavy metals using chelating agents. Scientia Agricola, 2013, 70, 290-295. | 1.2 | 94 |
| 3 | Temporal dynamic responses of roots in contrasting tomato genotypes to cadmium tolerance. Ecotoxicology, 2018, 27, 245-258. | 2.4 | 53 |
| 4 | The auxin-producing Bacillus thuringiensis RZ2MS9 promotes the growth and modifies the root architecture of tomato (Solanum lycopersicum cv. Micro-Tom). Archives of Microbiology, 2021, 203, 3869-3882. | 2.2 | 49 |
| 5 | Estimating tomato tolerance to heavy metal toxicity: cadmium as study case. Environmental Science and Pollution Research, 2018, 25, 27535-27544. | 5.3 | 46 |
| 6 | Burkholderia sp. <scp>SCMS54</scp> reduces cadmium toxicity and promotes growth in tomato. Annals of Applied Biology, 2013, 163, 494-507. | 2.5 | 39 |
| 7 | Seed priming with hormones does not alleviate induced oxidative stress in maize seedlings subjected to salt stress. Scientia Agricola, 2011, 68, 598-602. | 1.2 | 36 |
| 8 | Cadmium exposure triggers genotype-dependent changes in seed vigor and germination of tomato offspring. Protoplasma, 2018, 255, 989-999. | 2.1 | 33 |
| 9 | Antioxidant enzymes activities of Burkholderia spp. strainsâ€"oxidative responses to Ni toxicity. Environmental Science and Pollution Research, 2015, 22, 19922-19932. | 5.3 | 31 |
| 10 | New insights about cadmium impacts on tomato: Plant acclimation, nutritional changes, fruit quality and yield. Food and Energy Security, 2018, 7, e00131. | 4.3 | 31 |
| 11 | Relationship between Mg, B and Mn status and tomato tolerance against Cd toxicity. Journal of Environmental Management, 2019, 240, 84-92. | 7.8 | 30 |
| 12 | Cadmium toxicity and its relationship with disturbances in the cytoskeleton, cell cycle and chromosome stability. Ecotoxicology, 2019, 28, 1046-1055. | 2.4 | 26 |
| 13 | Cadmium-induced transgenerational effects on tomato plants: A gift from parents to progenies. Science of the Total Environment, 2021, 789, 147885. | 8.0 | 26 |
| 14 | Burkholderia sp. SCMS54 Triggers a Global Stress Defense in Tomato Enhancing Cadmium Tolerance. Water, Air, and Soil Pollution, 2014, 225, 1. | 2.4 | 25 |
| 15 | Cadmium toxicity degree on tomato development is associated with disbalances in B and Mn status at early stages of plant exposure. Ecotoxicology, 2018, 27, 1293-1302. | 2.4 | 24 |
| 16 | Genetic divergence is not the same as phenotypic divergence. Molecular Breeding, 2011, 28, 277-280. | 2.1 | 21 |
| 17 | Interspecific xenia and metaxenia in seeds and fruits of tomato. Scientia Agricola, 2013, 70, 102-107. | 1.2 | 16 |
| 18 | Rapid screening for selection of heavy metal-tolerant plants. Crop Breeding and Applied Biotechnology, 2014, 14, 1-7. | 0.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Anatomical analysis of peach palm (Bactris gasipaes) leaves cultivated in vitro, ex vitro and in vivo. Revista Brasileira De Botanica, 2012, 35, 71-78. | 1.3 | 16 |
| 20 | Lysine metabolism and amino acid profile in maize grains from plants subjected to cadmium exposure. Scientia Agricola, 2020, 77, . | 1.2 | 15 |
| 21 | Physiological and biochemical responses of Dolichos lablab L. to cadmium support its potential as a cadmium phytoremediator. Journal of Soils and Sediments, 2017, 17, 1413-1426. | 3.0 | 12 |
| 22 | Antioxidant Defense Response in Plants to Cadmium Stress. , 2019, , 423-461. | | 11 |
| 23 | Base genÃ©tica do hÃ¡bito de crescimento e florescimento em tomateiro e sua importÃ¢ncia na agricultura. Ciencia Rural, 2012, 42, 1941-1946. | 0.5 | 10 |
| 24 | Genotype x Environment interaction, stability, and adaptability in progenies of Eucalyptus urophylla S.T. BLAKE using the AMMI model. Silvae Genetica, 2018, 67, 51-56. | 0.8 | 9 |
| 25 | Temporal dynamics of the response to Al stress in Eucalyptus grandis Ã— Eucalyptus camaldulensis. Anais Da Academia Brasileira De Ciencias, 2015, 87, 1063-1070. | 0.8 | 7 |
| 26 | Comparative phosphoproteomic analysis of tomato genotypes with contrasting cadmium tolerance. Plant Cell Reports, 2021, 40, 2001-2008. | 5.6 | 7 |
| 27 | Processos evolutivos e a origem das plantas cultivadas. Ciencia Rural, 2011, 41, 1218-1228. | 0.5 | 6 |
| 28 | Antioxidant performance and aluminum accumulation in two genotypes of Solanum lycopersicum in response to low pH and aluminum availability and under their combined stress. Scientia Horticulturae, 2020, 259, 108813. | 3.6 | 4 |
| 29 | Tolerance of tomato to cadmium-induced stress: analyzing cultivars with different fruit colors. Environmental Science and Pollution Research, 2021, 28, 26172-26181. | 5.3 | 1 |
| 30 | MT BB: tomato cultivar for practical classes of plant genetics and breeding. Crop Breeding and Applied Biotechnology, 2013, 13, 371-372. | 0.4 | 0 |
| 31 | Influence of the Potato Production System in the Soil Suppressiveness to Bacterial Wilt. Asian Journal of Soil Science and Plant Nutrition, 0, , 1-11. | 0.2 | 0 |