Eleazar Rodriguez

List of Publications by Year
in descending order

36 papers	2,015 citations	361413 20 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	2918 citing authors

#	Article	IF	Citations
1	Two New Nuclear Isolation Buffers for Plant DNA Flow Cytometry: A Test with 37 Species. Annals of Botany, 2007, 100, 875-888.	2.9	472
2	Comparison of Four Nuclear Isolation Buffers for Plant DNA Flow Cytometry. Annals of Botany, 2006, 98, 679-689.	2.9	152
3	Cr(VI) Induces DNA Damage, Cell Cycle Arrest and Polyploidization: A Flow Cytometric and Comet Assay Study inPisum sativum. Chemical Research in Toxicology, 2011, 24, 1040-1047.	3.3	138
4	Chromium (VI) induces toxicity at different photosynthetic levels in pea. Plant Physiology and Biochemistry, 2012, 53, 94-100.	5.8	130
5	Flow Cytometric and Microscopic Analysis of the Effect of Tannic Acid on Plant Nuclei and Estimation of DNA Content. Annals of Botany, 2006, 98, 515-527.	2.9	129
6	Phytotoxicity of Mercury in Plants: A Review. Journal of Botany, 2012, 2012, 1-6.	1.2	79
7	Autophagy deficiency leads to accumulation of ubiquitinated proteins, ER stress, and cell death inArabidopsis. Autophagy, 2014, 10, 1579-1587.	9.1	75
8	Nuclear DNA content estimations in wild olive (Olea europaea L. ssp. europaea var. sylvestris Brot.) and Portuguese cultivars of O. europaea using flow cytometry. Genetic Resources and Crop Evolution, 2007, 54, 21-25.	1.6	64
9	Micropropagation of Juniperus phoenicea from adult plant explants and analysis of ploidy stability using flow cytometry. Biologia Plantarum, 2007, 51, 7-14.	1.9	64
10	Matching NLR Immune Receptors to Autoimmunity in camta3 Mutants Using Antimorphic NLR Alleles. Cell Host and Microbe, 2017, 21, 518-529.e4.	11.0	63
11	Making sense of plant autoimmunity and â€˜negative regulatorsâ€™. FEBS Journal, 2016, 283, 1385-1391.	4.7	59
12	Detection of somaclonal variants in somatic embryogenesis-regenerated plants of Vitis vinifera by flow cytometry and microsatellite markers. Plant Cell, Tissue and Organ Culture, 2010, 103, 49-59.	2.3	54
13	Photosynthesis light-independent reactions are sensitive biomarkers to monitor lead phytotoxicity in a Pb-tolerant Pisum sativum cultivar. Environmental Science and Pollution Research, 2015, 22, 574-585.	5.3	52
14	Autophagy mediates temporary reprogramming and dedifferentiation in plant somatic cells. EMBO Journal, 2020, 39, e103315.	7.8	51
15	Cryopreservation of Quercus suber somatic embryos by encapsulation-dehydration and evaluation of genetic stability. Tree Physiology, 2008, 28, 1841-1850.	3.1	46
16	Individual components of paired typical NLR immune receptors are regulated by distinct E3 ligases. Nature Plants, 2018, 4, 699-710.	9.3	43
17	Genetic characterisation of olive trees from Madeira Archipelago using flow cytometry and microsatellite markers. Genetic Resources and Crop Evolution, 2008, 55, 657-664.	1.6	42
18	Nuclear DNA content of Vitis vinifera cultivars and ploidy level analyses of somatic embryo-derived plants obtained from anther culture. Plant Cell Reports, 2006, 25, 978-985.	5.6	40

#	Article	IF	Citations
19	Assessment of genetic stability of two micropropagated wild olive species using flow cytometry and microsatellite markers. Trees - Structure and Function, 2010, 24, 723-732.	1.9	37
20	Flow cytometric assessment of Cd genotoxicity in three plants with different metal accumulation and detoxification capacities. Ecotoxicology and Environmental Safety, 2010, 73, 1231-1237.	6.0	28
21	DNA damage as a consequence of NLR activation. PLoS Genetics, 2018, 14, e1007235.	3.5	21
22	Inorganic Hg toxicity in plants: A comparison of different genotoxic parameters. Plant Physiology and Biochemistry, 2018, 125, 247-254.	5.8	20
23	Pb2+ exposure induced microsatellite instability in Pisum sativum in a locus related with glutamine metabolism. Plant Physiology and Biochemistry, 2013, 62, 19-22.	5.8	19
24	Genome Size Estimations On Ulmus minor Mill., Ulmus glabra Huds., and Celtis australis L. Using Flow Cytometry. Plant Biology, 2007, 9, 541-544.	3.8	17
25	Flow cytometric and morphological analyses of Pinus pinaster somatic embryogenesis. Journal of Biotechnology, 2009, 143, 288-295.	3.8	17
26	Transcript profiling and DNA damage in the European eel (Anguilla anguilla L.) exposed to 7,12-dimethylbenz[a]anthracene. Aquatic Toxicology, 2009, 94, 123-130.	4.0	16
27	Ploidy levels of DioscoreaÂalata L. germplasm determined by flow cytometry. Genetic Resources and Crop Evolution, 2010, 57, 351-356.	1.6	15
28	Ploidy level studies on the Dioscorea cayenensis/Dioscorea rotundata complex core set. Euphytica, 2009, 169, 319-326.	1.2	14
29	Evaluation of polysomaty and estimation of genome size in Polygala vayredae and P. calcarea using flow cytometry. Plant Science, 2007, 172, 1131-1137.	3.6	13
30	Zonal responses of sensitive vs. tolerant wheat roots during Al exposure and recovery. Journal of Plant Physiology, 2012, 169, 760-769.	3.5	13
31	Overexpression of ATG8/LC3 enhances wound-induced somatic reprogramming in Physcomitrium patens. Autophagy, 2022, 18, 1463-1466.	9.1	7
32	mRNA Decapping Factors LSM1 and PAT Paralogs Are Involved in Turnip Mosaic Virus Viral Infection. Molecular Plant-Microbe Interactions, 2022, 35, 125-130.	2.6	7
33	Chloroplast functionality assessment by flow cytometry: Case study with pea plants under Paraquat stress. Photosynthetica, 2012, 50, 197-205.	1.7	6
34	Genotoxic endpoints in a Pb-accumulating pea cultivar: insights into Pb2+ contamination limits. Environmental Science and Pollution Research, 2019, 26, 32368-32373.	5.3	5
35	Life and death in aluminium-exposed cultures of rat lactotrophs studied by flow cytometry. Cell Biology and Toxicology, 2010, 26, 341-353.	5.3	3
36	Exposure to Cr(VI) induces organ dependent MSI in two loci related with photophosphorylation and with glutamine metabolism. Journal of Plant Physiology, 2013, 170, 534-538.	3.5	3