M. Margarida Oliveira

List of Publications by Year
in descending order

138 papers	7,596 citations	57758 44 h-index	58581 82 g-index
143 all docs	143 docs citations	143 times ranked	8561 citing authors

#	Article	IF	Citations
1	High-salinity activates photoprotective mechanisms in Quercus suber via accumulation of carbohydrates and involvement of non-enzymatic and enzymatic antioxidant pathways. New Forests, 2022, 53, 285-300.	1.7	5
2	Sculpting the soil microbiota. Plant Journal, 2022, 109, 508-522.	5.7	28
3	DNA-Based Tools to Certify Authenticity of Rice Varietiesâ€"An Overview. Foods, 2022, 11, 258.	4.3	10
4	A novel panel of yeast assays for the assessment of thiamin and its biosynthetic intermediates in plant tissues. New Phytologist, 2022, 234, 748-763.	7.3	5
5	Translational profile of developing phellem cells in <i>Arabidopsis thaliana</i> roots. Plant Journal, 2022, 110, 899-915.	5.7	9
6	Spatiotemporal development of suberized barriers in cork oak taproots. Tree Physiology, 2022, 42, 1269-1285.	3.1	4
7	Screening for Abiotic Stress Response in Rice. Methods in Molecular Biology, 2022, 2494, 161-194.	0.9	1
8	Evaluating Root Mechanosensing Response in Rice. Methods in Molecular Biology, 2022, 2494, 25-35.	0.9	0
9	Modulation of Abiotic Stress Responses in Rice by E3-Ubiquitin Ligases: A Promising Way to Develop Stress-Tolerant Crops. Frontiers in Plant Science, 2021, 12, 640193.	3.6	20
10	Carbon/nitrogen metabolism and stress response networks â€" calcium-dependent protein kinases as the missing link?. Journal of Experimental Botany, 2021, 72, 4190-4201.	4.8	13
11	ZmOrphan94 Transcription Factor Downregulates ZmPEPC1 Gene Expression in Maize Bundle Sheath Cells. Frontiers in Plant Science, 2021, 12, 559967.	3.6	8
12	Genomic history and ecology of the geographic spread of rice. Nature Plants, 2020, 6, 492-502.	9.3	143
13	Longâ€term somatic memory of salinity unveiled from physiological, biochemical and epigenetic responses in two contrasting rice genotypes. Physiologia Plantarum, 2020, 170, 248-268.	5.2	22
14	Opportunities and Limitations of Crop Phenotyping in Southern European Countries. Frontiers in Plant Science, 2019, 10, 1125.	3.6	37
15	Uncovering Differentially Methylated Regions (DMRs) in a Salt-Tolerant Rice Variety under Stress: One Step towards New Regulatory Regions for Enhanced Salt Tolerance. Epigenomes, 2019, 3, 4.	1.8	24
16	NEP-TC a rRNA Methyltransferase Involved on Somatic Embryogenesis of Tamarillo (Solanum betaceum) Tj ETQq0 0 0 rgBT /Overlock 10	3.6	12
17	Biosynthesis and bioactivity of Cynara cardunculus L. guaianolides and hydroxycinnamic acids: a genomic, biochemical and health-promoting perspective. Phytochemistry Reviews, 2019, 18, 495-526.	6.5	11
18	Zmb<scp>HLH</scp>80 and Zmb<scp>HLH</scp>90 transcription factors act antagonistically and contribute to regulate <i><scp>PEPC</scp>1</i> cellâ€specific gene expression in maize. Plant Journal, 2019, 99, 270-285.	5.7	11

#	Article	IF	Citations
19	Goji berries superfood â€“ contributions for the characterisation of proteome and IgE-binding proteins. Food and Agricultural Immunology, 2019, 30, 262-280.	1.4	5
20	Synergistic Binding of bHLH Transcription Factors to the Promoter of the Maize NADP-ME Gene Used in C4 Photosynthesis Is Based on an Ancient Code Found in the Ancestral C3 State. Molecular Biology and Evolution, 2018, 35, 1690-1705.	8.9	45
21	OsICE1 transcription factor improves photosynthetic performance and reduces grain losses in rice plants subjected to drought. Environmental and Experimental Botany, 2018, 150, 88-98.	4.2	12
22	The rice cold-responsive calcium-dependent protein kinase OsCPK17 is regulated by alternative splicing and post-translational modifications. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 231-246.	4.1	38
23	Haplotype analysis of the germacrene A synthase gene and association with cynaropicrin content and biological activities in Cynara cardunculus. Molecular Genetics and Genomics, 2018, 293, 417-433.	2.1	5
24	Insights into the transcriptional and post-transcriptional regulation of the rice SUMOylation machinery and into the role of two rice SUMO proteases. BMC Plant Biology, 2018, 18, 349.	3.6	18
25	The draft genome sequence of cork oak. Scientific Data, 2018, 5, 180069.	5.3	98
26	Rice calciumâ€dependent protein kinase OsCPK17 targets plasma membrane intrinsic protein and sucroseâ€phosphate synthase and is required for a proper cold stress response. Plant, Cell and Environment, 2017, 40, 1197-1213.	5.7	96
27	The identification of almond GIGANTEA gene and its expression under cold stress, variable photoperiod, and seasonal dormancy. Biologia Plantarum, 2017, 61, 631-640.	1.9	8
28	Carbohydrates-based deep eutectic solvents: Thermophysical properties and rice straw dissolution. Journal of Molecular Liquids, 2017, 247, 441-447.	4.9	83
29	Environmental stress is the major cause of transcriptomic and proteomic changes in GM and non-GM plants. Scientific Reports, 2017, 7, 10624.	3.3	18
30	Impact of novel SNPs identified in Cynara cardunculus genes on functionality of proteins regulating phenylpropanoid pathway and their association with biological activities. BMC Genomics, 2017, 18, 183.	2.8	11
31	Five novel transcription factors as potential regulators of OsNHX1 gene expression in a salt tolerant rice genotype. Plant Molecular Biology, 2017, 93, 61-77.	3.9	102
32	Deciphering Histone Modifications in Rice by Chromatin Immunoprecipitation (ChIP): Applications to Study the Impact of Stress Imposition. , 2017, , .		0
33	Regulation of Na+ and K+ homeostasis in plants: towards improved salt stress tolerance in crop plants. Genetics and Molecular Biology, 2017, 40, 326-345.	1.3	428
34	Concerted Flexibility of Chromatin Structure, Methylome, and Histone Modifications along with Plant Stress Responses. Biology, 2017, 6, 3.	2.8	20
35	Differential DNA Methylation Patterns Are Related to Phellogen Origin and Quality of Quercus suber Cork. PLoS ONE, 2017, 12, e0169018.	2.5	31
36	Genomics of Drought. , 2016, , 85-135.		4

#	Article	IF	Citations
37	Rice root curling, a response to mechanosensing, is modulated by the rice E3-ubiquitin ligase HIGH EXPRESSION OF OSMOTICALLY RESPONSIVE GENE1 (OsHOS1). Plant Signaling and Behavior, 2016, 11, e1208880.	2.4	3
38	Rice phytochrome-interacting factor protein OsPIF14 represses OsDREB1B gene expression through an extended N-box and interacts preferentially with the active form of phytochrome B. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 393-404.	1.9	51
39	Screening for Abiotic Stress Tolerance in Rice: Salt, Cold, and Drought. Methods in Molecular Biology, 2016, 1398, 155-182.	0.9	48
40	Transcriptomics and physiological analyses reveal co-ordinated alteration of metabolic pathways in<i>Jatropha curcas</i>drought tolerance. Journal of Experimental Botany, 2016, 67, 845-860.	4.8	29
41	Selection of an Appropriate Protein Extraction Method to Study the Phosphoproteome of Maize Photosynthetic Tissue. PLoS ONE, 2016, 11, e0164387.	2.5	16
42	Comprehensive phenotypic analysis of rice (<i>Oryza sativa</i>) response to salinity stress. Physiologia Plantarum, 2015, 155, 43-54.	5.2	77
43	Plasticity of Chromatin Organization in the Plant Interphase Nucleus. , 2015, , 57-79.		2
44	In vitro culture may be the major contributing factor for transgenic versus nontransgenic proteomic plant differences. Proteomics, 2015, 15, 124-134.	2.2	9
45	The rice E3 ubiquitin ligase OsHOS1 modulates the expression of OsRMC, a gene involved in root mechano-sensing, through the interaction with two ERF transcription factors. Plant Physiology, 2015, 169, pp.01131.2015.	4.8	22
46	Salt Tolerant and Sensitive Rice Varieties Display Differential Methylome Flexibility under Salt Stress. PLoS ONE, 2015, 10, e0124060.	2.5	84
47	Influence of culture media and fungal extracts on essential oils composition and on terpene synthase gene expression in Thymus caespititius. Plant Cell, Tissue and Organ Culture, 2014, 118, 457-469.	2.3	4
48	A comprehensive assessment of the transcriptome of cork oak (Quercus suber) through EST sequencing. BMC Genomics, 2014, 15, 371.	2.8	53
49	Maize IgE binding proteins: each plant a different profile?. Proteome Science, 2014, 12, 17.	1.7	11
50	Identification and characterization of a second isogene encoding Î³-terpinene synthase in Thymus caespititius. Journal of Plant Physiology, 2014, 171, 1017-1027.	3.5	24
51	Coping with abiotic stress: Proteome changes for crop improvement. Journal of Proteomics, 2013, 93, 145-168.	2.4	93
52	Different evolutionary histories of two cation/proton exchanger gene families in plants. BMC Plant Biology, 2013, 13, 97.	3.6	28
53	New allelic variants found in key rice saltâ€tolerance genes: an association study. Plant Biotechnology Journal, 2013, 11, 87-100.	8.3	120
54	Essential oil production in shoot cultures versus field-grown plants of Thymus caespititius. Plant Cell, Tissue and Organ Culture, 2013, 113, 341-351.	2.3	23

#	Article	IF	Citations
55	Isolation and characterization of rice (Oryza sativa L.) E3-ubiquitin ligase OsHOS1 gene in the modulation of cold stress response. Plant Molecular Biology, 2013, 83, 351-363.	3.9	36
56	OsRMC, a negative regulator of salt stress response in rice, is regulated by two AP2/ERF transcription factors. Plant Molecular Biology, 2013, 82, 439-455.	3.9	73
57	Drought stress response in Jatropha curcas: Growth and physiology. Environmental and Experimental Botany, 2013, 85, 76-84.	4.2	159
58	Genetic Diversity and Population Structure in a European Collection of Rice. Crop Science, 2012, 52, 1663-1675.	1.8	67
59	Seven zinc-finger transcription factors are novel regulators of the stress responsive gene OsDREB1B. Journal of Experimental Botany, 2012, 63, 3643-3656.	4.8	103
60	Functional characterization of two almond C-repeat-binding factors involved in cold response. Tree Physiology, 2012, 32, 1113-1128.	3.1	39
61	Cold acclimation and floral development in almond bud break: insights into the regulatory pathways. Journal of Experimental Botany, 2012, 63, 4585-4596.	4.8	48
62	Characterization of maize allergens â€" MON810 vs. its non-transgenic counterpart. Journal of Proteomics, 2012, 75, 2027-2037.	2.4	38
63	Expression of almond Knotted1 homologue (PdKn1) anticipates adventitious shoot initiation. In Vitro Cellular and Developmental Biology - Plant, 2012, 48, 40-49.	2.1	2
64	Use of EcoTILLING to identify natural allelic variants of rice candidate genes involved in salinity tolerance. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 300-304.	0.8	19
65	Recent Updates on Salinity Stress in Rice: From Physiological to Molecular Responses. Critical Reviews in Plant Sciences, 2011, 30, 329-377.	5.7	178
66	Abiotic Stress and Induced DNA Hypomethylation Cause Interphase Chromatin Structural Changes in Rice rDNA Loci. Cytogenetic and Genome Research, 2011, 132, 297-303.	1.1	40
67	Transcription Regulation of Abiotic Stress Responses in Rice: A Combined Action of Transcription Factors and Epigenetic Mechanisms. OMICS A Journal of Integrative Biology, 2011, 15, 839-857.	2.0	81
68	Inducible and constitutive expression of HvCBF4 in rice leads to differential gene expression and drought tolerance. Biologia Plantarum, 2011, 55, .	1.9	12
69	Morphological and genetic diversity of the family Azollaceae inferred from vegetative characters and RAPD markers. Plant Systematics and Evolution, 2011, 297, 213-226.	0.9	34
70	Targeted association analysis identified japonica rice varieties achieving Na+/K+ homeostasis without the allelic make-up of the salt tolerant indica variety Nona Bokra. Theoretical and Applied Genetics, 2011, 123, 881-895.	3.6	71
71	Novel clues on abiotic stress tolerance emerge from embryo proteome analyses of rice varieties with contrasting stress adaptation. Proteomics, 2011, 11, 2389-2405.	2.2	16
72	Molecular characterization of the European rice collection in view of association mapping. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 233-235.	0.8	4

#	Article	IF	Citations
73	Plant natural variability may affect safety assessment data. Regulatory Toxicology and Pharmacology, 2010, 58, S8-S12.	2.7	29
74	Molecular and physiological identification of new S-alleles associated with self-(in)compatibility in local Spanish almond cultivars. Scientia Horticulturae, 2010, 123, 308-311.	3.6	27
75	An integrated strategy to identify key genes in almond adventitious shoot regeneration. Journal of Experimental Botany, 2009, 60, 4159-4173.	4.8	15
76	Facts and fiction of genetically engineered food. Trends in Biotechnology, 2009, 27, 277-286.	9.3	50
77	Analysis of genetic stability at SSR loci during somatic embryogenesis in maritime pine (Pinus pinaster). Plant Cell Reports, 2009, 28, 673-682.	5.6	66
78	Flow cytometric and morphological analyses of Pinus pinaster somatic embryogenesis. Journal of Biotechnology, 2009, 143, 288-295.	3.8	17
79	Transcription factors and regulation of photosynthetic and related metabolism under environmental stresses. Annals of Botany, 2009, 103, 609-623.	2.9	388
80	Genomics of Almond. , 2009, , 187-219.		12
81	The Expression of Self-compatibility in Almond May Not Only Be Due to the Presence of the Sf Allele. Journal of the American Society for Horticultural Science, 2009, 134, 221-227.	1.0	26
82	Improved in vitro rooting of Prunus dulcis Mill. cultivars. Biologia Plantarum, 2008, 52, 437-444.	1.9	18
83	Integration of genomic tools to assist breeding in the japonica subspecies of rice. Molecular Breeding, 2008, 22, 159-168.	2.1	34
84	Expression analysis and genetic mapping of three SEPALLATA-like genes from peach (Prunus persica (L.)) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	40
85	Envelope-Like Retrotransposons in the Plant Kingdom: Evidence of Their Presence in Gymnosperms (Pinus pinaster). Journal of Molecular Evolution, 2008, 67, 517-525.	1.8	14
86	Expression of prune dwarf Ilarvirus coat protein sequences in Nicotiana benthamiana plants interferes with PDV systemic proliferation. Plant Biotechnology Reports, 2008, 2, 75-85.	1.5	10
87	Genetic variation, mating patterns and gene flow in a Pinus pinaster Aiton clonal seed orchard. Annals of Forest Science, 2008, 65, 706-706.	2.0	14
88	Identification and characterization of new <i>S</i>â€alleles associated with selfâ€incompatibility in almond. Plant Breeding, 2008, 127, 632-638.	1.9	22
89	Microarray analyses reveal that plant mutagenesis may induce more transcriptomic changes than transgene insertion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3640-3645.	7.1	141
90	Evaluation of genetic diversity of<i>S-</i>alleles in an almond germplasm collection. Journal of Horticultural Science and Biotechnology, 2008, 83, 603-608.	1.9	21

#	Article	IF	Citations
91	Zygotic and somatic embryo morphogenesis in Pinus pinaster: comparative histological and histochemical study. Tree Physiology, 2007, 27, 661-669.	3.1	36
92	A Proteomic Study to Identify Soya Allergens â€“ The Human Response to Transgenic versus Non-Transgenic Soya Samples. International Archives of Allergy and Immunology, 2007, 144, 29-38.	2.1	61
93	Production of transgenic Hypericum perforatum plants via particle bombardment-mediated transformation of novel organogenic cell suspension cultures. Plant Science, 2007, 172, 1193-1203.	3.6	46
94	Genetic Relatedness of Portuguese Rice Accessions from Diverse Origins as Assessed by Microsatellite Markers. Crop Science, 2007, 47, 879-884.	1.8	44
95	Potential of Waxy gene microsatellite and single-nucleotide polymorphisms to develop japonica varieties with desired amylose levels in rice (Oryza sativa L.). Journal of Cereal Science, 2007, 46, 178-186.	3.7	15
96	PpRT1: the first complete gypsy-like retrotransposon isolated in Pinus pinaster. Planta, 2007, 225, 551-562.	3.2	30
97	PpRab1, a Rab GTPase from maritime pine is differentially expressed during embryogenesis. Molecular Genetics and Genomics, 2007, 278, 273-282.	2.1	13
98	Stable Agrobacterium-mediated transformation of embryogenic tissues from Pinus pinaster Portuguese genotypes. Plant Growth Regulation, 2006, 48, 215.	3.4	16
99	Stable Agrobacterium-mediated transformation of embryogenic tissues from Pinus pinaster Portuguese genotypes. Plant Growth Regulation, 2006, 50, 57-68.	3.4	18
100	An improved selection strategy and the use of acetosyringone in shoot induction medium increase almond transformation efficiency by 100-fold. Plant Cell, Tissue and Organ Culture, 2006, 85, 205-209.	2.3	20
101	Susceptibility of embryogenic and organogenic tissues of maritime pine (Pinus pinaster) to antibiotics used in Agrobacterium-mediated genetic transformation. Plant Cell, Tissue and Organ Culture, 2006, 87, 33-40.	2.3	10
102	Short communication. Cloning and sequencing of partial genomic DNA fragments corresponding to the S11 and S12 alleles of the Spanish almond cultivar â€˜Marconaâ€™. Spanish Journal of Agricultural Research, 2006, 4, 331.	0.6	0
103	Looking into flowering time in almond (Prunus dulcis (Mill) D. A. Webb): the candidate gene approach. Theoretical and Applied Genetics, 2005, 110, 959-968.	3.6	64
104	Evaluation of control transcripts in real-time RT-PCR expression analysis during maritime pine embryogenesis. Planta, 2005, 222, 556-563.	3.2	58
105	Transgenic Plants in Phytoremediation:Â Recent Advances and New Possibilities. Environmental Science & Technology, 2005, 39, 9377-9390.	10.0	364
106	Growth and essential oil composition of hairy root cultures of Levisticum officinale W.D.J. Koch (lovage). Plant Science, 2005, 168, 1089-1096.	3.6	56
107	Lack of detectable allergenicity of transgenic maize and soya samples. Journal of Allergy and Clinical Immunology, 2005, 116, 403-410.	2.9	57
108	Somatic Embryogenesis from 20 Open-Pollinated Families of Portuguese Plus Trees of Maritime Pine. Plant Cell, Tissue and Organ Culture, 2004, 76, 121-130.	2.3	74

#	Article	IF	Citations
109	Genetic stability of micropropagated almond plantlets, as assessed by RAPD and ISSR markers. Plant Cell Reports, 2004, 23, 492-496.	5.6	268
110	Mechanisms underlying plant resilience to water deficits: prospects for water-saving agriculture. Journal of Experimental Botany, 2004, 55, 2365-2384.	4.8	1,019
111	Recovery of cryopreserved embryogenic cultures of maritime pine--effect of cryoprotectant and suspension density. Cryo-Letters, 2004, 25, 363-74.	0.3	21
112	Genetic relatedness of Portuguese almond cultivars assessed by RAPD and ISSR markers. Plant Cell Reports, 2003, 22, 71-78.	5.6	90
113	Enhanced iron and zinc accumulation in transgenic rice with the ferritin gene. Plant Science, 2003, 164, 371-378.	3.6	371
114	Cellular Location of Prune dwarf virus in Almond Sections by In Situ Reverse Transcription-Polymerase Chain Reaction. Phytopathology, 2003, 93, 278-285.	2.2	25
115	Evolutionary analysis of S-RNase genes from Rosaceae species. Molecular Genetics and Genomics, 2002, 267, 71-78.	2.1	47
116	Structural and molecular analysis of self-incompatibility in almond (Prunus dulcis). Sexual Plant Reproduction, 2002, 15, 13-20.	2.2	34
117	Title is missing!. Biotechnology Letters, 2002, 24, 1031-1036.	2.2	34
118	Genetic Transformation of Kiwifruit (Actinidia species). , 2002, , .		0
119	Molecular cloning of the self-incompatibility genes S1 and S3 from almond (Prunus dulcis cv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	55
120	PD1 , an S-like RNase gene from a self-incompatible cultivar of almond. Plant Cell Reports, 2000, 19, 1108-1114.	5.6	6
121	The RNase PD2 gene of almond (Prunus dulcis) represents an evolutionarily distinct class of S-like RNase genes. Molecular Genetics and Genomics, 2000, 263, 925-933.	2.4	31
122	Essential oils from hairy root cultures and from plant roots of Achillea millefolium. Phytochemistry, 1999, 51, 637-642.	2.9	33
123	Title is missing!. Biotechnology Letters, 1999, 21, 859-864.	2.2	16
124	Transgenic almond (Prunus dulcis Mill.) plants obtained by Agrobacterium -mediated transformation of leaf explants. Plant Cell Reports, 1999, 18, 387-393.	5.6	82
125	S-RNases in apple are expressed in the pistil along the pollen tube growth path. Sexual Plant Reproduction, 1999, 12, 94-98.	2.2	21
126	Essential oils from hairy root cultures and from fruits and roots of Pimpinella anisum. Phytochemistry, 1998, 48, 455-460.	2.9	74

#	Article	IF	Citations
127	Sex organ determination and differentiation in the dioecious plant Melandrium album (Silene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	60
128	Kiwifruit leaf protoplasts competent for plant regeneration and direct DNA transfer. Plant Science, 1996, 121, 107-114.	3.6	19
129	Shoot regeneration from adventitious buds induced on juvenile and adult almond (Prunus dulcis) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.1	46
130	Somatic embryogenesis in leaves and leaf-derived protoplasts of Actinidia deliciosa var. deliciosa cv. Hayward (kiwifruit). Plant Cell Reports, 1992, 11-11, 314-7.	5.6	16
131	CMS system inNicotiana: flower development, patterns of mitochondrial DNA and mitochondrial gene expression. Sexual Plant Reproduction, 1992, 5, 13-26.	2.2	18
132	Micropropagation and Simultaneous Rooting of Actinidia deliciosa var. deliciosa `Hayward'. Hortscience: A Publication of the American Society for Hortcultural Science, 1992, 27, 443-445.	1.0	12
133	Sex determination in the dioecious Melandrium. The X/Y chromosome system allows complementary cloning strategies. Plant Science, 1991, 80, 93-106.	3.6	62
134	Plant regeneration from protoplasts of long-term callus cultures of Actinidia deliciosa var. deliciosa cv. Hayword (Kiwifruit). Plant Cell Reports, 1991, 9, 643-6.	5.6	24
135	Direct gene transfer into Actinidia deliciosa protoplasts: analysis of transient expression of the CAT gene using TLC autoradiography and a GC-MS-based method. Plant Molecular Biology, 1991, 17, 235-242.	3.9	22
136	Somatic hybridization by microfusion of defined protoplast pairs in Nicotiana: morphological, genetic, and molecular characterization. Theoretical and Applied Genetics, 1990, 80, 577-587.	3.6	26
137	In vitro seed germination, differentiation and production of minitubers from Ophrys lutea Cav., Ophrys fusca Link and Ophrys speculum Link. Scientia Horticulturae, 1990, 42, 329-337.	3.6	4
138	Glandular trichomes of Humulus lupulus var. Brewer's Gold: Ontogeny and histochemical characterization of the secretion. Nordic Journal of Botany, 1988, 8, 349-359.	0.5	21