JosÃ© Luis Micol

List of Publications by Year
in descending order

102 papers	8,049 citations	66343 42 h-index	51608 86 g-index
106 all docs	106 docs citations	106 times ranked	9076 citing authors

#	Article	IF	Citations
1	The JAZ family of repressors is the missing link in jasmonate signalling. Nature, 2007, 448, 666-671.	27.8	1,974
2	The Short-Chain Alcohol Dehydrogenase ABA2 Catalyzes the Conversion of Xanthoxin to Abscisic Aldehyde[W]. Plant Cell, 2002, 14, 1833-1846.	6.6	435
3	A mutational analysis of the ABA1 gene of Arabidopsis thaliana highlights the involvement of ABA in vegetative development. Journal of Experimental Botany, 2005, 56, 2071-2083.	4.8	208
4	Both abscisic acid (ABA)-dependent and ABA-independent pathways govern the induction of NCED3, AAO3 and ABA1 in response to salt stress. Plant, Cell and Environment, 2006, 29, 2000-2008.	5.7	203
5	The UCU1 Arabidopsis Gene Encodes a SHAGGY/GSK3-like Kinase Required for Cell Expansion along the Proximodistal Axis. Developmental Biology, 2002, 242, 161-173.	2.0	174
6	The Arabidopsis thaliana Homolog of Yeast BRE1 Has a Function in Cell Cycle Regulation during Early Leaf and Root Growth. Plant Cell, 2007, 19, 417-432.	6.6	168
7	Coordination of cell proliferation and cell expansion mediated by ribosomeâ€related processes in the leaves of <i>Arabidopsis thaliana</i>. Plant Journal, 2009, 59, 499-508.	5.7	162
8	A Mutational Analysis of Leaf Morphogenesis in Arabidopsis thaliana. Genetics, 1999, 152, 729-742.	2.9	162
9	Venation Pattern Formation inArabidopsis thalianaVegetative Leaves. Developmental Biology, 1999, 205, 205-216.	2.0	158
10	Genetic Analysis of Salt-Tolerant Mutants in Arabidopsis thaliana. Genetics, 2000, 154, 421-436.	2.9	158
11	The elongata mutants identify a functional Elongator complex in plants with a role in cell proliferation during organ growth. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7754-7759.	7.1	154
12	Differential contributions of ribosomal protein genes to <i>Arabidopsis thaliana</i> leaf development. Plant Journal, 2011, 65, 724-736.	5.7	147
13	Genetic Architecture of NaCl Tolerance in Arabidopsis. Plant Physiology, 2002, 130, 951-963.	4.8	143
14	Probing the Reproducibility of Leaf Growth and Molecular Phenotypes: A Comparison of Three Arabidopsis Accessions Cultivated in Ten Laboratories Â. Plant Physiology, 2010, 152, 2142-2157.	4.8	137
15	The SCABRA3 Nuclear Gene Encodes the Plastid RpoTp RNA Polymerase, Which Is Required for Chloroplast Biogenesis and Mesophyll Cell Proliferation in Arabidopsis. Plant Physiology, 2006, 141, 942-956.	4.8	134
16	<i>INCURVATA2</i> Encodes the Catalytic Subunit of DNA Polymerase Î± and Interacts with Genes Involved in Chromatin-Mediated Cellular Memory in <i>Arabidopsis thaliana</i>. Plant Cell, 2007, 19, 2822-2838.	6.6	131
17	Ribosomes and translation in plant developmental control. Plant Science, 2012, 191-192, 24-34.	3.6	118
18	PCR amplification of long DNA fragments. Nucleic Acids Research, 1992, 20, 623-623.	14.5	117

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19	Understanding synergy in genetic interactions. Trends in Genetics, 2009, 25, 368-376.	6.7	114
20	The ULTRACURVATA2 Gene of Arabidopsis Encodes an FK506-Binding Protein Involved in Auxin and Brassinosteroid Signaling. Plant Physiology, 2004, 134, 101-117.	4.8	112
21	Quantitative trait loci mapping of floral and leaf morphology traits inArabidopsis thaliana: evidence for modular genetic architecture. Evolution & Development, 2005, 7, 259-271.	2.0	108
22	The <scp>TRANSPLANTA</scp> collection of <scp>A</scp>rabidopsis lines: a resource for functional analysis of transcription factors based on their conditional overexpression. Plant Journal, 2014, 77, 944-953.	5.7	104
23	Regulation of Hormonal Control, Cell Reprogramming, and Patterning during De Novo Root Organogenesis. Plant Physiology, 2018, 176, 1709-1727.	4.8	94
24	Genetic analysis of leaf form mutants from the Arabidopsis Information Service collection. Molecular Genetics and Genomics, 1999, 261, 725-739.	2.4	92
25	The<i>RON1/FRY1/SAL1</i>Gene Is Required for Leaf Morphogenesis and Venation Patterning in Arabidopsis. Plant Physiology, 2010, 152, 1357-1372.	4.8	91
26	Genetic Analysis of incurvata Mutants Reveals Three Independent Genetic Operations at Work in Arabidopsis Leaf Morphogenesis. Genetics, 2000, 156, 1363-1377.	2.9	91
27	High-throughput genetic mapping in Arabidopsis thaliana. Molecular Genetics and Genomics, 1999, 261, 408-415.	2.4	90
28	Genetic Analysis of Natural Variations in the Architecture of <i>Arabidopsis thaliana</i> Vegetative Leaves. Genetics, 2002, 162, 893-915.	2.9	90
29	Mutations in the MicroRNA Complementarity Site of the INCURVATA4 Gene Perturb Meristem Function and Adaxialize Lateral Organs in Arabidopsis. Plant Physiology, 2006, 141, 607-619.	4.8	88
30	The rotunda2 mutants identify a role for the LEUNIG gene in vegetative leaf morphogenesis. Journal of Experimental Botany, 2004, 55, 1529-1539.	4.8	82
31	Arabidopsis <i>RUGOSA2</i> encodes an mTERF family member required for mitochondrion, chloroplast and leaf development. Plant Journal, 2011, 68, 738-753.	5.7	79
32	Rapid discrimination of sequences flanking and within T-DNA insertions in theArabidopsisgenome. Plant Journal, 1998, 14, 497-501.	5.7	77
33	Arabidopsis MDA1, a Nuclear-Encoded Protein, Functions in Chloroplast Development and Abiotic Stress Responses. PLoS ONE, 2012, 7, e42924.	2.5	70
34	Analysis of <i>ven3</i> and <i>ven6</i> reticulate mutants reveals the importance of arginine biosynthesis in Arabidopsis leaf development. Plant Journal, 2011, 65, 335-345.	5.7	64
35	Leaf development: time to turn over a new leaf?. Current Opinion in Plant Biology, 2009, 12, 9-16.	7.1	63
36	Ultra-rapid auxin metabolite profiling for high-throughput mutant screening in Arabidopsis. Journal of Experimental Botany, 2018, 69, 2569-2579.	4.8	60

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37	The HVE/CAND1 gene is required for the early patterning of leaf venation in Arabidopsis. Development (Cambridge), 2006, 133, 3755-3766.	2.5	58
38	OTCandAUL1, two convergent and overlapping genes in the nuclear genome ofArabidopsis thaliana. FEBS Letters, 1999, 461, 101-106.	2.8	52
39	Mutations in the RETICULATA gene dramatically alter internal architecture but have little effect on overall organ shape in Arabidopsis leaves. Journal of Experimental Botany, 2006, 57, 3019-3031.	4.8	52
40	Functional Redundancy and Divergence within the Arabidopsis RETICULATA-RELATED Gene Family Â Â. Plant Physiology, 2013, 162, 589-603.	4.8	50
41	A Role for AUXIN RESISTANT3 in the Coordination of Leaf Growth. Plant and Cell Physiology, 2010, 51, 1661-1673.	3.1	48
42	Genome-wide linkage analysis of Arabidopsis genes required for leaf development. Molecular Genetics and Genomics, 2001, 266, 12-19.	2.1	46
43	Leaf phenomics: a systematic reverse genetic screen for Arabidopsis leaf mutants. Plant Journal, 2014, 79, 878-891.	5.7	46
44	Mutations in the plantâ€conserved <scp>MTERF9</scp> alter chloroplast gene expression, development and tolerance to abiotic stress in <i>Arabidopsis thaliana</i>. Physiologia Plantarum, 2015, 154, 297-313.	5.2	46
45	Mutational spaces for leaf shape and size. HFSP Journal, 2008, 2, 110-120.	2.5	45
46	A Suppressor Screen for AGO1 Degradation by the Viral F-Box P0 Protein Uncovers a Role for AGO DUF1785 in sRNA Duplex Unwinding. Plant Cell, 2018, 30, 1353-1374.	6.6	44
47	Mutation of an Arabidopsis NatB N-Alpha-Terminal Acetylation Complex Component Causes Pleiotropic Developmental Defects. PLoS ONE, 2013, 8, e80697.	2.5	42
48	Combined haploinsufficiency and purifying selection drive retention of RPL36a paralogs in Arabidopsis. Scientific Reports, 2014, 4, 4122.	3.3	40
49	The <i>ABA1</i> gene and carotenoid biosynthesis are required for late skotomorphogenic growth in <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2008, 31, 227-234.	5.7	37
50	ROTUNDA3 function in plant development by phosphatase 2A-mediated regulation of auxin transporter recycling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2768-2773.	7.1	37
51	Lessons from a search for leaf mutants in Arabidopsis thaliana. International Journal of Developmental Biology, 2009, 53, 1623-1634.	0.6	36
52	Whole organ, venation and epidermal cell morphological variations are correlated in the leaves of <i>Arabidopsis</i> mutants. Plant, Cell and Environment, 2011, 34, 2200-2211.	5.7	36
53	The MicroRNA Pathway Genes AGO1, HEN1 and HYL1 Participate in Leaf Proximalâ€“Distal, Venation and Stomatal Patterning in Arabidopsis. Plant and Cell Physiology, 2012, 53, 1322-1333.	3.1	35
54	PORPHOBILINOGEN DEAMINASE Deficiency Alters Vegetative and Reproductive Development and Causes Lesions in Arabidopsis. PLoS ONE, 2013, 8, e53378.	2.5	35

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55	Developmental genetic analysis of Contrabithorax mutations in Drosophila melanogaster.. Genetics, 1990, 126, 139-155.	2.9	34
56	Genetic analysis of "transvection" effects involving contrabithorax mutations in Drosophila melanogaster.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 1146-1150.	7.1	33
57	The Arabidopsis <i>phyB-9</i> Mutant Has a Second-Site Mutation in the <i>VENOSA4</i> Gene That Alters Chloroplast Size, Photosynthetic Traits, and Leaf Growth. Plant Physiology, 2018, 178, 3-6.	4.8	32
58	QTL analysis of leaf architecture. Journal of Plant Research, 2010, 123, 15-23.	2.4	31
59	Low-Resolution Mapping of Untagged Mutations. , 2006, 323, 105-114.		30
60	<i>incurvata13</i>, a Novel Allele of <i>AUXIN RESISTANT6</i>, Reveals a Specific Role for Auxin and the SCF Complex in Arabidopsis Embryogenesis, Vascular Specification, and Leaf Flatness Â Â. Plant Physiology, 2013, 161, 1303-1320.	4.8	28
61	Getting started in mappingâ€byâ€sequencing. Journal of Integrative Plant Biology, 2015, 57, 606-612.	8.5	28
62	Cell Expansion-Mediated Organ Growth Is Affected by Mutations in Three EXIGUA Genes. PLoS ONE, 2012, 7, e36500.	2.5	28
63	Multiâ€gene silencing in Arabidopsis: a collection of artificial micro<scp>RNA</scp>s targeting groups of paralogs encoding transcription factors. Plant Journal, 2014, 80, 149-160.	5.7	27
64	ABCE Proteins: From Molecules to Development. Frontiers in Plant Science, 2018, 9, 1125.	3.6	26
65	Uncovering the post-embryonic functions of gametophytic- and embryonic-lethal genes. Trends in Plant Science, 2011, 16, 336-345.	8.8	25
66	DRACULA2, a dynamic nucleoporin with a role in the regulation of the shade avoidance syndrome in Arabidopsis. Development (Cambridge), 2016, 143, 1623-31.	2.5	25
67	The ANGULATA 7 gene encodes a DnaJâ€like zinc fingerâ€domain protein involved in chloroplast function and leaf development in Arabidopsis. Plant Journal, 2017, 89, 870-884.	5.7	25
68	Molecular characterization and phylogenetic analysis of SpBMP5-7, a new member of the TGF-beta superfamily expressed in sea urchin embryos. Molecular Biology and Evolution, 1999, 16, 634-645.	8.9	23
69	AGO1 controls arabidopsis inflorescence architecture possibly by regulating TFL1 expression. Annals of Botany, 2014, 114, 1471-1481.	2.9	23
70	Unveiling Plant mTERF Functions. Molecular Plant, 2012, 5, 294-296.	8.3	22
71	Members of the DEAL subfamily of the DUF1218 gene family are required for bilateral symmetry but not for dorsoventrality in Arabidopsis leaves. New Phytologist, 2018, 217, 1307-1321.	7.3	22
72	<i>INCURVATA11</i> and <i>CUPULIFORMIS2</i> Are Redundant Genes That Encode Epigenetic Machinery Components in Arabidopsis. Plant Cell, 2018, 30, 1596-1616.	6.6	20

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73	Arabidopsis TRANSCURVATA1 Encodes NUP58, a Component of the Nucleopore Central Channel. PLoS ONE, 2013, 8, e67661.	2.5	20
74	Plastid control of abaxial-adaxial patterning. Scientific Reports, 2015, 5, 15975.	3.3	17
75	The 2OGD Superfamily: Emerging Functions in Plant Epigenetics and Hormone Metabolism. Molecular Plant, 2018, 11, 1222-1224.	8.3	17
76	Positive and negative cis-regulatory elements in the bithoraxoid region of the Drosophila Ultrabithorax gene. Molecular Genetics and Genomics, 1992, 234, 177-184.	2.4	16
77	The m6A RNA Demethylase ALKBH9B Plays a Critical Role for Vascular Movement of Alfalfa Mosaic Virus in Arabidopsis. Frontiers in Microbiology, 2021, 12, 745576.	3.5	16
78	The ang3 mutation identified the ribosomal protein gene RPL5B with a role in cell expansion during organ growth. Physiologia Plantarum, 2010, 138, 91-101.	5.2	15
79	Rapid identification of angulata leaf mutations using next-generation sequencing. Planta, 2014, 240, 1113-1122.	3.2	15
80	A Network-Guided Genetic Approach to Identify Novel Regulators of Adventitious Root Formation in Arabidopsis thaliana. Frontiers in Plant Science, 2019, 10, 461.	3.6	15
81	Arabidopsis mTERF6 is required for leaf patterning. Plant Science, 2018, 266, 117-129.	3.6	14
82	Arabidopsis ANGULATA10 is required for thylakoid biogenesis and mesophyll development. Journal of Experimental Botany, 2014, 65, 2391-2404.	4.8	13
83	Current status of the multinational Arabidopsis community. Plant Direct, 2020, 4, e00248.	1.9	13
84	A multiplex reverse transcriptase-polymerase chain reaction method for fluorescence-based semiautomated detection of gene expression in Arabidopsis thaliana. Planta, 2000, 211, 606-608.	3.2	12
85	Symmetry, asymmetry, and the cell cycle in plants: known knowns and some known unknowns. Journal of Experimental Botany, 2014, 65, 2645-2655.	4.8	11
86	Next-generation forward genetic screens: using simulated data to improve the design of mapping-by-sequencing experiments in Arabidopsis. Nucleic Acids Research, 2019, 47, e140-e140.	14.5	10
87	Easymap: A User-Friendly Software Package for Rapid Mapping-by-Sequencing of Point Mutations and Large Insertions. Frontiers in Plant Science, 2021, 12, 655286.	3.6	10
88	Deficient glutamate biosynthesis triggers a concerted upregulation of ribosomal protein genes in Arabidopsis. Scientific Reports, 2017, 7, 6164.	3.3	9
89	A genetic link between epigenetic repressor AS1â€“AS2 and DNA replication factors in establishment of adaxialâ€“abaxial leaf polarity of <i>Arabidopsis</i>. Plant Biotechnology, 2018, 35, 39-49.	1.0	8
90	The KnownLeaf literature curation system captures knowledge about Arabidopsis leaf growth and development and facilitates integrated data mining. Current Plant Biology, 2015, 2, 1-11.	4.7	7

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91	Arabidopsis INCURVATA2 Regulates Salicylic Acid and Abscisic Acid Signaling, and Oxidative Stress Responses. Plant and Cell Physiology, 2015, 56, pcv132.	3.1	6
92	Characterization of Phycomyces blakesleeanus mutants temperature-sensitive for heat-shock induced germination. Current Genetics, 1986, 10, 755-760.	1.7	5
93	Role ofHEMIVENATAand the Ubiquitin Pathway in Venation Pattern Formation. Plant Signaling and Behavior, 2007, 2, 258-259.	2.4	5
94	A genetic analysis ofbx bxd cis double mutants in theDrosophila Ultrabithorax gene. Molecular Genetics and Genomics, 1996, 250, 540-546.	2.4	3
95	Suitability of two distinct approaches for the high-throughput study of the post-embryonic effects of embryo-lethal mutations in Arabidopsis. Scientific Reports, 2017, 7, 17010.	3.3	3
96	Mapping-by-Sequencing of Point and Insertional Mutations with Easymap. Methods in Molecular Biology, 2022, 2484, 343-361.	0.9	3
97	A method for the selection of mutants of Phycomyces blakesleeanus defective in germination. Current Genetics, 1986, 10, 749-753.	1.7	2
98	Two computer programs for the generation of problems in transmission genetics for teaching purposes. Bioinformatics, 1992, 8, 603-604.	4.1	1
99	A cornucopia of mutants for understanding plant embryo development. New Phytologist, 2020, 226, 289-291.	7.3	1
100	A genetic analysis of. Molecular Genetics and Genomics, 1996, 250, 540.	2.4	1
101	Preface - Plants develop and grow. International Journal of Developmental Biology, 2005, 49, 449-452.	0.6	1
102	Visualization of Gene Expression by Fluorescent Multiplex Reverse Transcriptase-PCR Amplification. , 2007, 353, 143-152.		0