Nam-Hai Chua

List of Publications by Year
in descending order

133 papers	18,857 citations	16451 64 h-index	12946 131 g-index
137 all docs	137 docs citations	137 times ranked	15719 citing authors

#	Article	IF	Citations
1	Agrobacterium-mediated transformation of Arabidopsis thaliana using the floral dip method. Nature Protocols, 2006, 1, 641-646.	12.0	1,758
2	Identification of DNA sequences required for activity of the cauliflower mosaic virus 35S promoter. Nature, 1985, 313, 810-812.	27.8	1,333
3	An estrogen receptor-based transactivator XVE mediates highly inducible gene expression in transgenic plants. Plant Journal, 2000, 24, 265-273.	5.7	1,052
4	MicroRNA Directs mRNA Cleavage of the Transcription Factor NAC1 to Downregulate Auxin Signals for Arabidopsis Lateral Root Development. Plant Cell, 2005, 17, 1376-1386.	6.6	950
5	A glucocorticoid-mediated transcriptional induction system in transgenic plants. Plant Journal, 1997, 11, 605-612.	5.7	896
6	Genome-Wide Analysis Uncovers Regulation of Long Intergenic Noncoding RNAs in Arabidopsis. Plant Cell, 2012, 24, 4333-4345.	6.6	656
7	The WUSCHEL gene promotes vegetative-to-embryonic transition in Arabidopsis. Plant Journal, 2002, 30, 349-359.	5.7	573
8	Two tobacco DNA-binding proteins with homology to the nuclear factor CREB. Nature, 1989, 340, 727-730.	27.8	458
9	Crystal structure of TFIID TATA-box binding protein. Nature, 1992, 360, 40-46.	27.8	430
10	SINAT5 promotes ubiquitin-related degradation of NAC1 to attenuate auxin signals. Nature, 2002, 419, 167-170.	27.8	417
11	Chloroplast-selective gene delivery and expression in planta using chitosan-complexed single-walled carbon nanotube carriers. Nature Nanotechnology, 2019, 14, 447-455.	31.5	364
12	Genome-wide identification of long noncoding natural antisense transcripts and their responses to light in Arabidopsis. Genome Research, 2014, 24, 444-453.	5.5	316
13	Chemical-regulated, site-specific DNA excision in transgenic plants. Nature Biotechnology, 2001, 19, 157-161.	17.5	313
14	The Arabidopsis DIMINUTO/DWARF1 Gene Encodes a Protein Involved in Steroid Synthesis. Plant Cell, 1998, 10, 1677-1690.	6.6	276
15	A Null Mutation in a bZIP Factor Confers ABA-Insensitivity in Arabidopsis thaliana. Plant and Cell Physiology, 2000, 41, 541-547.	3.1	268
16	Overexpression of Arabidopsis ESR1 Induces Initiation of Shoot Regeneration. Plant Cell, 2001, 13, 2609-2618.	6.6	266
17	KORRIGAN, an Arabidopsis Endo-1,4-Î²-Glucanase, Localizes to the Cell Plate by Polarized Targeting and Is Essential for Cytokinesis. Plant Cell, 2000, 12, 1137-1152.	6.6	258
18	A new self-assembled peroxisomal vesicle required for efficient resealing of the plasma membrane. Nature Cell Biology, 2000, 2, 226-231.	10.3	246

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19	Long noncoding <scp>RNA</scp> transcriptome of plants. Plant Biotechnology Journal, 2015, 13, 319-328.	8.3	246
20	Virulence Factors of Geminivirus Interact with MYC2 to Subvert Plant Resistance and Promote Vector Performance. Plant Cell, 2014, 26, 4991-5008.	6.6	224
21	Microtubule Stabilization Leads to Growth Reorientation in Arabidopsis Trichomes. Plant Cell, 2000, 12, 465-477.	6.6	223
22	NITROGEN LIMITATION ADAPTATION Recruits PHOSPHATE2 to Target the Phosphate Transporter PT2 for Degradation during the Regulation of Arabidopsis Phosphate Homeostasis. Plant Cell, 2014, 26, 454-464.	6.6	216
23	A short conserved sequence is involved in the light-inducibility of a gene encoding ribulose 1,5-bisphosphate carboxylase small subunit of pea. Nature, 1985, 315, 200-204.	27.8	204
24	Profilin Plays a Role in Cell Elongation, Cell Shape Maintenance, and Flowering in Arabidopsis. Plant Physiology, 2000, 124, 1637-1647.	4.8	194
25	The role of miR156/<scp>SPL</scp>s modules in Arabidopsis lateral root development. Plant Journal, 2015, 83, 673-685.	5.7	194
26	ELF18-INDUCED LONG-NONCODING RNA Associates with Mediator to Enhance Expression of Innate Immune Response Genes in Arabidopsis. Plant Cell, 2017, 29, 1024-1038.	6.6	191
27	Arabidopsis PLC1 Is Required for Secondary Responses to Abscisic Acid Signals. Plant Cell, 2001, 13, 1143-1154.	6.6	187
28	ADF Proteins Are Involved in the Control of Flowering and Regulate F-Actin Organization, Cell Expansion, and Organ Growth in Arabidopsis. Plant Cell, 2001, 13, 1333-1346.	6.6	184
29	Arabidopsis thaliana contains two genes for TFIID. Nature, 1990, 346, 390-394.	27.8	170
30	Analysis of nonâ€coding transcriptome in rice and maize uncovers roles of conserved lnc<scp>RNA</scp>s associated with agriculture traits. Plant Journal, 2015, 84, 404-416.	5.7	164
31	PLncDB: plant long non-coding RNA database. Bioinformatics, 2013, 29, 1068-1071.	4.1	163
32	Targeting of bacterial chloramphenicol acetyltransferase to mitochondria in transgenic plants. Nature, 1987, 328, 340-342.	27.8	159
33	Real-time detection of wound-induced H2O2 signalling waves in plants with optical nanosensors. Nature Plants, 2020, 6, 404-415.	9.3	157
34	Glucocorticoid-inducible expression of a bacterial avirulence gene in transgenic Arabidopsis induces hypersensitive cell death. Plant Journal, 1998, 14, 247-257.	5.7	153
35	Light-regulated expression of a pea ribulose-1,5-bisphosphate carboxylase small subunit gene in transformed plant cells. Science, 1984, 224, 838-843.	12.6	139
36	Light-regulated and organ-specific expression of a wheat Cab gene in transgenic tobacco. Nature, 1985, 316, 750-752.	27.8	131

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37	Inducible isopentenyl transferase as a high-efficiency marker for plant transformation. Nature Biotechnology, 1999, 17, 916-919.	17.5	130
38	Three genes encode 3-hydroxy-3-methylglutaryl-coenzyme A reductase in Hevea brasiliensis: hmg1 and hmg3 are differentially expressed. Plant Molecular Biology, 1992, 19, 473-484.	3.9	124
39	Noncoding and coding transcriptome responses of a marine diatom to phosphate fluctuations. New Phytologist, 2016, 210, 497-510.	7.3	118
40	The antiphasic regulatory module comprising CDF5 and its antisense <scp>RNA </scp>FLORE links the circadian clock to photoperiodic flowering. New Phytologist, 2017, 216, 854-867.	7.3	112
41	Villin-Like Actin-Binding Proteins Are Expressed Ubiquitously in Arabidopsis. Plant Physiology, 2000, 122, 35-48.	4.8	111
42	Metabolic engineering of terpene biosynthesis in plants using a trichomeâ€specific transcription factor Ms<scp>YABBY</scp>5 from spearmint (Mentha spicata). Plant Biotechnology Journal, 2016, 14, 1619-1632.	8.3	111
43	Arabidopsis profilins are functionally similar to yeast profilins: identification of a vascular bundle-specific profilin and a pollen-specific profilin. Plant Journal, 1996, 10, 269-279.	5.7	107
44	Identification of an immediate-early salicylic acid-inducible tobacco gene and characterization of induction by other compounds. Plant Molecular Biology, 1996, 31, 1061-1072.	3.9	104
45	An Arabidopsis Mutant Hypersensitive to Red and Far-Red Light Signals. Plant Cell, 1998, 10, 889-904.	6.6	103
46	A G-box motif (GCCACGTGCC) tetramer confers high-level constitutive expression in dicot and monocot plants. Plant Journal, 1999, 18, 443-448.	5.7	100
47	Structural Analysis of Nuclear Genes Coding for the Precursor to the Small Subunit of Wheat Ribuloseâ€"1,5â€"Bisphosphate Carboxylase. Nature Biotechnology, 1983, 1, 55-61.	17.5	97
48	PLANT U-BOX PROTEIN10 Regulates MYC2 Stability in Arabidopsis. Plant Cell, 2015, 27, 2016-2031.	6.6	93
49	Arabidopsis NITROGEN LIMITATION ADAPTATION regulates ORE1 homeostasis during senescence induced by nitrogen deficiency. Nature Plants, 2018, 4, 898-903.	9.3	92
50	Chloroplast DNA gyrase and in vitro regulation of transcription by template topology and novobiocin. Plant Molecular Biology, 1987, 8, 415-424.	3.9	88
51	ELF18â€INDUCED LONG NONCODING RNAÂ1 evicts fibrillarin from mediator subunit to enhance PATHOGENESISâ€RELATED GENEÂ1 (PR1) expression. New Phytologist, 2019, 221, 2067-2079.	7.3	87
52	Transgenic Plants of Brassica napus L.. Nature Biotechnology, 1987, 5, 815-817.	17.5	86
53	Cell Wall Alterations in the Arabidopsis emb30 Mutant. Plant Cell, 2000, 12, 2047-2059.	6.6	86
54	PLncDB V2.0: a comprehensive encyclopedia of plant long noncoding RNAs. Nucleic Acids Research, 2021, 49, D1489-D1495.	14.5	83

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55	Gene silencing of Sugar-dependent 1 (JcSDP1), encoding a patatin-domain triacylglycerol lipase, enhances seed oil accumulation in Jatropha curcas. Biotechnology for Biofuels, 2014, 7, 36.	6.2	82
56	The firefly luciferase gene as a non-invasive reporter for Dendrobium transformation. Plant Journal, 1994, 6, 441-446.	5.7	81
57	The Deubiquitinating Enzymes UBP12 and UBP13 Positively Regulate MYC2 Levels in Jasmonate Responses. Plant Cell, 2017, 29, 1406-1424.	6.6	80
58	A noncoding <scp>RNA</scp> transcribed from the <scp>AGAMOUS</scp> (<scp>AG</scp>) second intron binds to <scp>CURLY LEAF</scp> and represses <scp>AG</scp> expression in leaves. New Phytologist, 2018, 219, 1480-1491.	7.3	76
59	A comparative structural analysis of the ADF/Cofilin family. Proteins: Structure, Function and Bioinformatics, 2000, 41, 374-384.	2.6	73
60	Functional analysis of yeast-derived phytochrome A and B phycocyanobilin adducts. Plant Journal, 1996, 10, 625-636.	5.7	71
61	fhy1 defines a branch point in phytochrome A signal transduction pathways for gene expression. Plant Journal, 1996, 10, 1155-1161.	5.7	71
62	Molecular identification and characterization of the Arabidopsis AtADF1, AtADFS and AtADF6 genes. Plant Molecular Biology, 2001, 45, 517-527.	3.9	71
63	In vitro formation of a photoreversible adduct of phycocyanobilin and tobacco apophytochrome B. FEBS Journal, 1993, 215, 587-594.	0.2	70
64	Expression of three members of the calcium-dependent protein kinase gene family in Arabidopsis thaliana. Plant Molecular Biology, 1996, 30, 1259-1275.	3.9	70
65	Identification of plant cytoskeletal, cell cycle-related and polarity-related proteins using Schizosaccharomyces pombe. Plant Journal, 1996, 10, 761-769.	5.7	67
66	The Mediator Complex MED15 Subunit Mediates Activation of Downstream Lipid-Related Genes by the WRINKLED1 Transcription Factor. Plant Physiology, 2016, 171, 1951-1964.	4.8	65
67	Transformation of Melon (Cucumis melo L.) and Expression from the Cauliflower Mosaic Virus 35S Promoter in Transgenic Melon Plants. Nature Biotechnology, 1991, 9, 858-863.	17.5	64
68	Species-independent analytical tools for next-generation agriculture. Nature Plants, 2020, 6, 1408-1417.	9.3	63
69	Plant cells do not properly recognize animal gene polyadenylation signals. Plant Molecular Biology, 1987, 8, 23-35.	3.9	62
70	Geminivirus Activates ASYMMETRIC LEAVES 2 to Accelerate Cytoplasmic DCP2-Mediated mRNA Turnover and Weakens RNA Silencing in Arabidopsis. PLoS Pathogens, 2015, 11, e1005196.	4.7	61
71	HSI2 Repressor Recruits MED13 and HDA6 to Down-Regulate Seed Maturation Gene Expression Directly During Arabidopsis Early Seedling Growth. Plant and Cell Physiology, 2016, 57, 1689-1706.	3.1	61
72	Calcium and cGMP target distinct phytochrome-responsive elements. Plant Journal, 1996, 10, 1149-1154.	5.7	59

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73	bZIP proteins bind to a palindromic sequence without an ACGT core located in a seed-specific element of the pea lectin promoter. Plant Journal, 1994, 6, 133-140.	5.7	58
74	Arabidopsis ubiquitinâ€specific proteases UBP12 and UBP13 shape ORE1 levels during leaf senescence induced by nitrogen deficiency. New Phytologist, 2019, 223, 1447-1460.	7.3	58
75	Different roles for calcium and calmodulin in phytochromeâ€and UVâ€regulated expression of chalcone synthase. Plant Journal, 1998, 13, 763-772.	5.7	57
76	CURLY LEAF Regulates Gene Sets Coordinating Seed Size and Lipid Biosynthesis. Plant Physiology, 2016, 171, 424-436.	4.8	57
77	The Arabidopsis actin-related protein 2 (AtARP2) promoter directs expression in xylem precursor cells and pollen. , 1999, 41, 65-73.		53
78	Light-Inducible MiR163 Targets PXMT1 Transcripts to Promote Seed Germination and Primary Root Elongation in Arabidopsis. Plant Physiology, 2016, 170, 1772-1782.	4.8	51
79	The promoter of the rice gene GOS2 is active in various different monocot tissues and binds rice nuclear factor ASF-1.. Plant Journal, 1992, 2, 837-844.	5.7	50
80	AnArabidopsismutant with deregulated ABA gene expression: implications for negative regulator function. Plant Journal, 1999, 17, 363-372.	5.7	50
81	The floral transcriptome of ylang ylang (Cananga odorata var. fruticosa) uncovers biosynthetic pathways for volatile organic compounds and a multifunctional and novel sesquiterpene synthase. Journal of Experimental Botany, 2015, 66, 3959-3975.	4.8	50
82	A consensus linkage map of oil palm and a major QTL for stem height. Scientific Reports, 2015, 5, 8232.	3.3	49
83	Proembryo culture: in vitro development of early globularâ€stage zygotic embryos from Brassica juncea. Plant Journal, 1993, 3, 291-300.	5.7	47
84	An Arabidopsis mutant showing reduced feedback inhibition of photosynthesis. Plant Journal, 1997, 12, 1011-1020.	5.7	46
85	Coâ€expression of peppermint geranyl diphosphate synthase small subunit enhances monoterpene production in transgenic tobacco plants. New Phytologist, 2017, 213, 1133-1144.	7.3	46
86	The tobacco transcription activator TGA1a binds to a sequence in the 5â€² upstream region of a gene encoding a TGA1a-related protein. Molecular Genetics and Genomics, 1991, 229, 181-188.	2.4	45
87	Genome-wide identification of markers for selecting higher oil content in oil palm. BMC Plant Biology, 2017, 17, 93.	3.6	43
88	Identification by PCR of receptor-like protein kinases from Arabidopsis flowers. Plant Molecular Biology, 1998, 37, 587-596.	3.9	42
89	Modulation of GT-1 DNA-binding activity by calcium-dependent phosphorylation. Plant Molecular Biology, 1999, 40, 373-386.	3.9	42
90	Strategies and mechanisms of plant virus resistance. Plant Biotechnology Reports, 2007, 1, 125-134.	1.5	42

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91	Immediate Early Transcription Activation by Salicylic Acid via the Cauliflower Mosaic Virus as-1 Element. Plant Cell, 1994, 6, 863.	6.6	37
92	Characterization of cymbidium mosaic virus coat protein gene and its expression in transgenic tobacco plants. Plant Molecular Biology, 1992, 18, 1091-1099.	3.9	36
93	Characterization of an rbcS gene from Nicotiana plumbaginifolia and expression of an rbcS-CAT chimeric gene in homologous and heterologous nuclear background. Molecular Genetics and Genomics, 1986, 205, 193-200.	2.4	35
94	Draft genome sequence of an eliteDurapalm and whole-genome patterns of DNA variation in oil palm. DNA Research, 2016, 23, 527-533.	3.4	34
95	Transcriptome and functional analysis reveals hybrid vigor for oil biosynthesis in oil palm. Scientific Reports, 2017, 7, 439.	3.3	33
96	Integrated metabolome and transcriptome analysis of Magnolia champaca identifies biosynthetic pathways for floral volatile organic compounds. BMC Genomics, 2017, 18, 463.	2.8	32
97	CYP79D73 Participates in Biosynthesis of Floral Scent Compound 2-Phenylethanol in Plumeria rubra. Plant Physiology, 2019, 180, 171-184.	4.8	32
98	Rapid Production of Transgenic Flowering Shoots and F1 Progeny from Nicotiana plumbaginifolia Epidermal Peels. Nature Biotechnology, 1987, 5, 1081-1084.	17.5	31
99	Dehydration stress extends mRNA 3â€² untranslated regions with noncoding RNA functions in Arabidopsis. Genome Research, 2017, 27, 1427-1436.	5.5	31
100	Developing genome-wide SNPs and constructing an ultrahigh-density linkage map in oil palm. Scientific Reports, 2018, 8, 691.	3.3	31
101	Engineering geminivirus resistance in Jatropha curcus. Biotechnology for Biofuels, 2014, 7, 149.	6.2	30
102	Early Diagnosis and Management of Nitrogen Deficiency in Plants Utilizing Raman Spectroscopy. Frontiers in Plant Science, 2020, 11, 663.	3.6	29
103	Cytokinin affects circadian-clock oscillation in a phytochrome B- and Arabidopsis response regulator 4-dependent manner. Physiologia Plantarum, 2006, 127, 277-292.	5.2	28
104	JMJ24 targets CHROMOMETHYLASE3 for proteasomal degradation in Arabidopsis. Genes and Development, 2016, 30, 251-256.	5.9	27
105	Regulation of flowering time by SPL10/MED25 module in Arabidopsis. New Phytologist, 2019, 224, 493-504.	7.3	24
106	Overexpression of a Transcription Factor Increases Lipid Content in a Woody Perennial Jatropha curcas. Frontiers in Plant Science, 2018, 9, 1479.	3.6	23
107	Detection and localization of viruses in orchids by tissue-print hybridization. Plant Pathology, 1992, 41, 355-361.	2.4	21
108	Light regulated transcription in higher plants. Journal of Plant Research, 1997, 110, 131-139.	2.4	21

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109	Characterization of a sweet basil acyltransferase involved in eugenol biosynthesis. Journal of Experimental Botany, 2020, 71, 3638-3652.	4.8	21
110	Ubiquitin-specific proteases UBP12 and UBP13 promote shade avoidance response by enhancing PIF7 stability. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
111	Comparative transcriptomics unravel biochemical specialization of leaf tissues of Stevia (Stevia) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	17
112	Inverted-Repeat RNAs TargetingFTIntronic Regions PromoteFTExpression in Arabidopsis. Plant and Cell Physiology, 2015, 56, 1667-1678.	3.1	16
113	In vitro flowering ofDendrobium candidum. Science in China Series C: Life Sciences, 1997, 40, 35-42.	1.3	14
114	Overexpression of rice phytochrome A partially complements phytochrome B deficiency in Arabidopsis. Planta, 1999, 207, 401-409.	3.2	14
115	Accurate transcription of plant genesin vitro using a wheat germ-chromatin extract. Plant Molecular Biology Reporter, 1990, 8, 114-123.	1.8	12
116	<scp>JMJ</scp>24 binds to <scp>RDR</scp>2 and is required for the basal level transcription of silenced loci in Arabidopsis. Plant Journal, 2015, 83, 770-782.	5.7	12
117	Improvement of arabidopsis mutant screens based on luciferase imagingin planta. Plant Molecular Biology Reporter, 1996, 14, 320-329.	1.8	11
118	Differential requirement of MED14/17 recruitment for activation of heat inducible genes. New Phytologist, 2021, 229, 3360-3376.	7.3	10
119	Comparative transcriptome analysis of oil palm flowers reveals an EAR-motif-containing R2R3-MYB that modulates phenylpropene biosynthesis. BMC Plant Biology, 2017, 17, 219.	3.6	9
120	Rapid metabolite response in leaf blade and petiole as a marker for shade avoidance syndrome. Plant Methods, 2020, 16, 144.	4.3	9
121	Expression of human muscarinic cholinergic receptors in tobacco. Plant Molecular Biology, 1997, 34, 357-362.	3.9	8
122	Arabidopsis histone methyltransferase SET DOMAIN GROUP2 is required for regulation of various hormone responsive genes. Journal of Plant Biology, 2013, 56, 39-48.	2.1	8
123	Bioinformatics Approaches to Studying Plant Long Noncoding RNAs (lncRNAs): Identification and Functional Interpretation of lncRNAs from RNA-Seq Data Sets. Methods in Molecular Biology, 2019, 1933, 197-205.	0.9	8
124	Identification of Long Noncoding RNA-Protein Interactions Through In Vitro RNA Pull-Down Assay with Plant Nuclear Extracts. Methods in Molecular Biology, 2019, 1933, 279-288.	0.9	6
125	Gene isolation with the Polymerase Chain Reaction. , 1992, , 342-356.		6
126	Rice phytochrome A controls apical hook opening after a single light pulse in transgenic tobacco seedlings. Plant Journal, 1994, 6, 935-940.	5.7	5

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127	Phytochrome and UV signal transduction pathways. Acta Physiologiae Plantarum, 1997, 19, 475-483.	2.1	5
128	Analysis of Interaction Between Long Noncoding RNAs and Protein by RNA Immunoprecipitation in Arabidopsis. Methods in Molecular Biology, 2019, 1933, 289-295.	0.9	5
129	Rapid Detection and Quantification of Plant Innate Immunity Response Using Raman Spectroscopy. Frontiers in Plant Science, 2021, 12, 746586.	3.6	4
130	Trimolecular Fluorescence Complementation (TriFC) Assay for Visualization of RNA-Protein Interaction in Plants. Methods in Molecular Biology, 2019, 1933, 297-303.	0.9	3
131	Visualizing nuclearâ€localized <scp>RNA</scp> using transient expression system in plants. Genes To Cells, 2018, 23, 105-111.	1.2	2
132	Trimolecular Fluorescence Complementation (TriFC) Assay for Direct Visualization of RNA-Protein Interaction in planta. Bio-protocol, 2017, 7, e2579.	0.4	2
133	Alternate Plant Transformation Strategies Using Chemical-Inducible Promoters. Nature Biotechnology, 1999, 17, 27-27.	17.5	0