

Masaru Ohme-Takagi

List of Publications by Year in descending order

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36
papers

3,450
citations

331670

21
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

4178
citing authors

#	ARTICLE	IF	CITATIONS
1	Dominant repression of target genes by chimeric repressors that include the EAR motif, a repression domain, in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2003, 34, 733-739.	5.7	724
2	TCP Transcription Factors Control the Morphology of Shoot Lateral Organs via Negative Regulation of the Expression of Boundary-Specific Genes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 473-484.	6.6	369
3	TCP Transcription Factors Regulate the Activities of ASYMMETRIC LEAVES1 and miR164, as Well as the Auxin Response, during Differentiation of Leaves in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 3574-3588.	6.6	335
4	The <i>Dendrobium catenatum</i> Lindl. genome sequence provides insights into polysaccharide synthase, floral development and adaptive evolution. <i>Scientific Reports</i> , 2016, 6, 19029.	3.3	255
5	The SUPERMAN protein is an active repressor whose carboxy-terminal repression domain is required for the development of normal flowers. <i>FEBS Letters</i> , 2002, 514, 351-354.	2.8	201
6	Roles of miR319 and TCP Transcription Factors in Leaf Development. <i>Plant Physiology</i> , 2017, 175, 874-885.	4.8	175
7	A Triantagonistic Basic Helix-Loop-Helix System Regulates Cell Elongation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 4483-4497.	6.6	149
8	Repression of Nitrogen Starvation Responses by Members of the <i>Arabidopsis</i> GARP-Type Transcription Factor NIGT1/HRS1 Subfamily. <i>Plant Cell</i> , 2018, 30, 925-945.	6.6	143
9	Efficient production of male and female sterile plants by expression of a chimeric repressor in <i>Arabidopsis</i> and rice. <i>Plant Biotechnology Journal</i> , 2006, 4, 325-332.	8.3	139
10	Identification of the minimal repression domain of SUPERMAN shows that the DLELRL hexapeptide is both necessary and sufficient for repression of transcription in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 172-178.	2.1	129
11	Vascular Cell Induction Culture System Using <i>Arabidopsis</i> Leaves (VISUAL) Reveals the Sequential Differentiation of Sieve Element-Like Cells. <i>Plant Cell</i> , 2016, 28, 1250-1262.	6.6	123
12	Efficient Yeast One-/Two-Hybrid Screening Using a Library Composed Only of Transcription Factors in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 2145-2151.	3.1	104
13	TCP4-dependent induction of CONSTANS transcription requires GIGANTEA in photoperiodic flowering in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2017, 13, e1006856.	3.5	80
14	Genome-wide identification and characterization of TCP genes involved in ovule development of <i>Phalaenopsis equestris</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 5051-5066.	4.8	55
15	Low nitrogen conditions accelerate flowering by modulating the phosphorylation state of FLOWERING BHLH 4 in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	47
16	<i>Arabidopsis</i> chimeric TCP3 repressor produces novel floral traits in <i>Torenia fournieri</i> and <i>Chrysanthemum morifolium</i> . <i>Plant Biotechnology</i> , 2011, 28, 131-140.	1.0	44
17	ATBS1 INTERACTING FACTORS negatively regulate <i>Arabidopsis</i> cell elongation in the triantagonistic bHLH system. <i>Plant Signaling and Behavior</i> , 2013, 8, e23448.	2.4	43
18	GOLDEN 2-LIKE transcription factors for chloroplast development affect ozone tolerance through the regulation of stomatal movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4218-4223.	7.1	40

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19	Generation of serrated and wavy petals by inhibition of the activity of TCP transcription factors in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 697-699.	2.4	35
20	An MYB transcription factor regulating specialized metabolisms in <i>Ophiorrhiza pumila</i> . <i>Plant Biotechnology</i> , 2016, 33, 1-9.	1.0	35
21	Creating ruffled flower petals in <i>Cyclamen persicum</i> by expression of the chimeric cyclamen TCP repressor. <i>Plant Biotechnology</i> , 2011, 28, 141-147.	1.0	31
22	Mutation of the imprinted gene <i>OsEMF2a</i> induces autonomous endosperm development and delayed cellularization in rice. <i>Plant Cell</i> , 2021, 33, 85-103.	6.6	23
23	TCPs, WUSs, and WINDs: families of transcription factors that regulate shoot meristem formation, stem cell maintenance, and somatic cell differentiation. <i>Frontiers in Plant Science</i> , 2014, 5, 427.	3.6	21
24	Identification of TCP13 as an Upstream Regulator of ATHB12 during Leaf Development. <i>Genes</i> , 2019, 10, 644.	2.4	21
25	Morphological changes of <i>Rosa</i> – <i>hybrida</i> by a chimeric repressor of <i>Arabidopsis</i> TCP3. <i>Plant Biotechnology</i> , 2011, 28, 149-152.	1.0	18
26	Sugar-responsive transcription factor bZIP3 affects leaf shape in <i>Arabidopsis</i> plants. <i>Plant Biotechnology</i> , 2018, 35, 167-170.	1.0	15
27	A Dual Repeat Cis-Element Determines Expression of GERANYL DIPHOSPHATE SYNTHASE for Monoterpene Production in <i>Phalaenopsis</i> Orchids. <i>Frontiers in Plant Science</i> , 2018, 9, 765.	3.6	13
28	Blue Light Regulates Phosphate Deficiency-Dependent Primary Root Growth Inhibition in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1803.	3.6	12
29	Cellular dynamics of double fertilization and early embryogenesis in flowering plants. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2021, 336, 642-651.	1.3	11
30	Improvement of cell wall digestibility in tall fescue by <i>Oryza sativa</i> SECONDARY WALL NAC DOMAIN PROTEIN2 chimeric repressor. <i>Molecular Breeding</i> , 2018, 38, 1.	2.1	10
31	Transcription factors involved in acid stress responses in plants. <i>Nucleus (India)</i> , 2015, 58, 191-197.	2.2	9
32	The chimeric repressor for the GATA4 transcription factor improves tolerance to nitrogen deficiency in <i>Arabidopsis</i> . <i>Plant Biotechnology</i> , 2017, 34, 151-158.	1.0	9
33	Clade Ib basic helix-loop-helix transcription factor, bHLH101, acts as a regulatory component in photo-oxidative stress responses. <i>Plant Science</i> , 2018, 274, 101-108.	3.6	9
34	The CIB1 transcription factor regulates light- and heat-inducible cell elongation via a two-step HLH/bHLH system. <i>Journal of Experimental Botany</i> , 2021, 72, 1795-1808.	4.8	9
35	Morphological changes in <i>Ipomoea nil</i> using chimeric repressors of <i>Arabidopsis</i> TCP3 and TCP5. <i>Plant Biotechnology</i> , 2012, 29, 457-463.	1.0	8
36	Improving the Efficiency of Adventitious Shoot Induction and Somatic Embryogenesis via Modification of WUSCHEL and LEAFY COTYLEDON 1. <i>Plants</i> , 2020, 9, 1434.	3.5	6