

出版年月	著作類別	著作名稱	作者	收錄出處
2026-01	期刊論文	Piriformospora indica volatile organic compounds enhance Arabidopsis root growth by modulating iron deficiency responses via a NO-regulated pathway	Pin-Jie Huang, Chiao-Wen Huang, Zhen-Rong Cai, Yu-Zhen Chen, Hieng-Ming Ting, Yao-Cheng Lin, Wei-Chao Lin, Masaru Ohme-Takagi, Dewi Sukma, Chiu-Ping Cheng, Shu-Jen Wang, Kai-Wun Yeh, Ming-Tsair Chan	Plant Stress
2025-09	期刊論文	Oryza sativa Baby Boom1 converts the developmental fate of rice egg cells from gametic into somatic status	Masuo S, Akter N, Koshimazu S, Rattanawong K, Kitta T, Taki Y, Kinoshita A, Sato A, Takasaki H, Ikeda M, Oshima Y, Mitsuda N, Ohme-Takagi M, Yano K, Okamoto T	iScience
2025-09	期刊論文	SlbHLH053 and AtMSRB5 synergistically enhance salt tolerance in transgenic tomatoes	Balladona, F.K., Li, C.W., Lin, Y.C., Cai, Z.R., Lam, T.H., Ohme-Takagi, M., Sukma, D. and Chan, M.T.	Plant Stress
2025-08	期刊論文	TCP3-mediated regulation of cell expansion in Arabidopsis thaliana	Koyama T, Kunieda T, Toyonaga H, Nobuhara M, Mitsuda N, Soga Ku, Ishida J, Seki M, Takahashi K, Kinoshita T, Bessho A, Demura T, Ohme-Takagi M.	New Phytologist

2025-05	期刊論文	Arabidopsis homeodomain transcription factor BRASSINOSTEROID-RELATED HOMEBOX 1 represses BR responses under stress conditions	Reika Hasegawa, Miho Ikeda, Kenjiro Fujita, Yuichiro Tanaka, Hironori Takasaki, Yuka Kinugasa, Ryo Tachibana, Ayumi Yamagami, Takahito Nomura, Tsubasa Yano, Nobutaka Mitsuda, Takeshi Nakano, Masaru Ohme-Takagi	Journal of Experimental Botany
2024-03	期刊論文	Comparative study of two indoor microbial volatile pollutants, 2-Methyl-1-butanol and 3-Methyl-1-butanol, on growth and antioxidant system of rice (<i>Oryza sativa</i>) seedlings	Nguyen DK, Nguyen TP, Li YR, Ohme-Takagi M, Liu ZH, Ly TT, Nguyen VA, Trinh NN, Huang HJ	Ecotoxicology and Environmental Safety
2023-10	期刊論文	TCP13 promotes shade avoidance syndrome-like responses by directly targeting a subset of shade-responsive gene promoters.	Yoon-Sun Hur, Jeonghwa Oh, Namuk Kim, Sunghan Kim, Ora Son, Jiyoung Kim, Ji-Hyun Um, Zuowei Ji, Min-ha Kim, Jae-Heung Ko, Masaru Ohme-Takagi, Giltso Choi, Choong-Ill Cheon	Journal of Experimental Botany
2023-09	期刊論文	Antifungal mechanism of volatile compounds emitted by <i>Actinomyces</i> Paenarthrobacter ureafaciens from a disease-	Tri-Phuong Nguyen, De-Rui Meng ¹ , Ching-Han Chang ² , Pei-Yu Su ¹ , Chieh-An Ou ¹ , Ping-Fu Hou ³ , Huang-Mo Sung ¹ , Chang-Hung Chou ¹ , Masaru Ohme-Takagi ⁴ , Hao-Jen Huang https://orcid.org/0000-0002-7459-162X	mSphere

		suppressive soil on <i>Saccharomyces cerevisiae</i> .		
2023-01	期刊論文	Transcription factors KNAT3 and KNAT4 are essential for integument and ovule formation in <i>Arabidopsis</i> .	Chen JJ, Wang W, Qin WQ, Men SZ, Li HL, Mitsuda N, Ohme-Takagi M,, Wu AM.	Plant Physiology
2023-01	期刊論文	Transcriptome analyses uncover reliance of endosperm gene expression on <i>Arabidopsis</i> embryonic development.	Yilin Zhang, Daisuke Maruyama, Erika Toda, Atsuko Kinoshita, Takashi Okamoto, Nobutaka Mitsuda, Hironori Takasaki, Masaru Ohme-Takagi	FEBS Letters
2022-10	期刊論文	Elongation of Siliques Without Pollination 3 Regulates Nutrient Flow Necessary for Embryogenesis	Hironori Takasaki, Miho Ikeda, Reika Hasegawa, Yilin Zhang, Shingo Sakamoto, Daisuke Maruyama, Nobutaka Mitsuda, Tetsu Kinoshita and Masaru Ohme-Takagi	Plant and Cell Physiology
2022-09	期刊論文	The involvement of AtMKK1 and AtMKK3 in plant-deleterious microbial volatile compounds-induced defense responses	Ching-Han Chang, Wu-Guei Wang, Pei-Yu Su, Yu-Shuo Chen, Tri-Phuong Nguyen, Jian Xu, Masaru Ohme-Takagi, Tetsuro Mimura, Ping-Fu Hou, Hao-Jen Huang	Plant Molecular Biology
2022-06	期刊論文	<i>Arabidopsis</i> homeobox-leucine	Reika Hasegawa, Tomoki Arakawa, Kenjiro Fujita,	Plant Biotechnology

		zipper transcription factor BRASSINOSTEROID-RELATED HOMEBOX 3 regulates leaf greenness by suppressing BR signaling	Yuichiro Tanaka, Zen Ookawa, Shingo Sakamoto, Hironori Takasaki, Miho Ikeda, Ayumi Yamagami, Nobutaka Mitsuda, Takeshi Nakano, Masaru Ohme- Takagi	
2022-06	期刊論文	Arabidopsis zinc finger homeodomain transcription factor BRASSINOSTEROID-RELATED HOMEBOX 2 acts as a positive regulator of brassinosteroid response	Reika Hasegawa, Kenjiro Fujita, Yuichiro Tanaka, Hironori Takasaki, Miho Ikeda, Ayumi Yamagami, Nobutaka Mitsuda, Takeshi Nakano, Masaru Ohme-Takagi	Plant Biotechnology
2022-05	期刊論文	A collection of inducible transcription factor-glucocorticoid receptor fusion lines for functional analyses in Arabidopsis thaliana.	Shimada S, Yanagawa Y, Munesada T, Horii Y, Kuriyama T, Kawashima M, Kondou Y, Yoshizumi T, Mitsuda N, Ohme- Takagi M,, Makita Y, Matsui M.	Plant Journal
2021-	期刊論文	Improving the Efficiency of Adventitious Shoot Induction and Somatic Embryogenesis via Modification of WUSCHEL and	Ikeda M, Takahashi M, Fujiwara S, Mitsuda N, Ohme- Takagi M	Plants

		LEAFY COTYLEDON 1		
2021-	期刊論文	Low nitrogen conditions accelerate flowering by modulating the phosphorylation state of FLOWERING BHLH 4 in Arabidopsis.	Sanagi M, Aoyama S, Kubo A, Lu Y, Sato Y, Ito S, Abe M, Mitsuda N, Ohme-Takagi M, Kiba T, Nakagami H, Rolland F, Yamaguchi J, Imaizumi T, Sato T.	Proc Natl Acad Sci U S A.
2021-	期刊論文	Mutation of the imprinted gene OsEMF2a induces autonomous endosperm development and delayed cellularization in rice	Tonosaki K, Ono A, Kunisada M, Nishino M, Nagata H, Sakamoto S, Kijima ST, Furuumi H, Nonomura KI, Sato Y, Ohme-Takagi M, Endo M, Comai L, Hatakeyama K, Kawakatsu T, Kinoshita T	Plant Cell
2021-	期刊論文	The CIB1 transcription factor regulates light- and heat-inducible cell elongation via a two-step HLH/bHLH system	Ikeda M, Mitsuda N, Ishizuka T, Satoh M, Ohme-Takagi M	J Exp Bot
2021-	期刊論文	Two types of bHLH transcription factor determine the competence of the pericycle for lateral root initiation.	Zhang Y, Mitsuda N, Yoshizumi T, Horii Y, Oshima Y, Ohme-Takagi M, Matsui M, Kakimoto T.	Nature Plants

2020-	期刊論文	Blue Light Regulates Phosphate Deficiency-Dependent Primary Root Growth Inhibition in Arabidopsis	Yeh CM, Kobayashi K, Fujii S, Fukaki H, Mitsuda N, Ohme-Takagi M	Front Plant Sci
2020-	期刊論文	Cellular dynamics of double fertilization and early embryogenesis in flowering plants	Shin JM, Yuan L, Ohme-Takagi M, Kawashima T	J Exp Zool B Mol Dev Evol.
2020-	期刊論文	The CIB1 transcription factor regulates light- and heat-inducible cell elongation via a two-step HLH/bHLH system	Ikeda M, Mitsuda N, Ishizuka T, Satoh M, Ohme-Takagi M	J. Exp. Bot
2020-	期刊論文	The class II KNOX transcription factors KNAT3 and KNAT7 synergistically regulate monolignol biosynthesis in Arabidopsis	Qin W, Yin Q, Chen J, Zhao X, Yue F, He J, Yang L, Liu L, Zeng Q, Lu F, Mitsuda N, Ohme-Takagi M, Wu AM	J Exp Bot
2019-	期刊論文	Identification of TCP13 as an Upstream Regulator of ATHB12 during Leaf Development.	Hur YS, Kim J, Kim S, Son O, Kim WY, Kim GT, Ohme-Takagi M, Cheon CI	Genes

2018-07	期刊論文	Science	Kuroha T, Nagai K, Gamuyao R, Wang DR, Furuta T, Nakamori M, Kitaoka T, Adachi K, Minami A, Mori Y, Mashiguchi K, Seto Y, Yamaguchi S, Kojima M, Sakakibara H, Wu J, Ebana K, Mitsuda N, Ohme-Takagi M, Yanagisawa S, Yamasaki M, Yokoyama R, Nishitani K, Mochizuki T, Tamiya G, McCouch SR, Ashikari M*	Ethylene-gibberellin signaling underlies adaptation of rice to periodic floodin
2018-	期刊論文	Clade Ib basic helix-loop-helix transcription factor, bHLH101, acts as a regulatory component in photo-oxidative stress responses	Noshi M, Tanabe N, Okamoto Y, Mori D, Ohme-Takagi M, Tamoi M, Shigeoka S	Plant Sci
2018-	期刊論文	A dual repeat cis-element determines expression of GERANYL DIPHOSPHATE SYNTHASE for monoterpene production in Phalaenopsis orchids	Chuang YC, Hung YC, Hsu CY, Yeh CM, Mitsuda N, Ohme-Takagi M, Tsai WC, Chen WH, Chen HH	Front Plant Sci
2018-	期刊論文	Arabidopsis thaliana NGATHA1 transcription factor induces ABA biosynthesis by activating NCED3gene during dehydration	Sato H, Takasaki H, Takahashi F, Suzuki T, Iuchi S, Mitsuda N, Ohme-Takagi M, Ikeda M, Seo M, Yamaguchi-Shinozaki K, Shinozaki K	Proc Natl Acad Sci USA.

		stress.		
2018-	期刊論文	Buckwheat R2R3 MYB transcription factor FeMYBF1 regulates flavonol biosynthesis	Matsui K, Oshima Y, Mitsuda N, Sakamoto S, Nishiba Y, Walker AR, Ohme-Takagi M, Robinson SP, Yasui Y, Mori M, Takami H.	Plant Sci
2018-	期刊論文	Ethylene-gibberellin signaling underlies adaptation of rice to periodic flooding.	Kuroha T, Nagai K, Gamuyao R, Wang DR, Furuta T, Nakamori M, Kitaoka T, Adachi K, Minami A, Mori Y, Mashiguchi K, Seto Y, Yamaguchi S, Kojima M, Sakakibara H, Wu J, Ebana K, Mitsuda N, Ohme-Takagi M, Yanagisawa S, Yamasaki M, Yokoyama R, Nishitani K, Mochizuki T, Tamiya G, McCouch SR, Ashikari M.	Science
2018-	期刊論文	Improvement of cell wall digestibility in tall fescue by Oryza sativa SECONDARY WALL NAC DOMAIN PROTEIN2 chimeric repressor	Sato H, Sakamoto S, Mitsuda N, Ohme-Takagi M, Takamizo T	Molecular Breeding
2018-	期刊論文	OsWRKY24, a blast-disease responsive transcription factor, positively regulates rice disease resistance	Yokotani, N., Shikata, M., Ichikawa, H. Mitsuda N, Ohme-Takagi M, Minami, E., Nishizawa, Y.	Journal of General Plant Pathology

2018-	期刊論文	Repression of nitrogen starvation responses by members of the Arabidopsis GARP-Type transcription factor NIGT1/HRS1 subfamily	Kiba T, Inaba J, Kudo T, Ueda N, Konishi M, Mitsuda N, Takiguchi Y, Kondou Y, Yoshizumi T, Ohme-Takagi M, Matsui M, Yano K, Yanagisawa S, Sakakibara H.	Plant Cell
2017-	期刊論文	The Apostasia genome and the evolution of orchids	Zhang GQ, Liu KW, Li Z, Lohaus R, Hsiao YY, Niu SC, Wang JY, Lin YC, Xu Q, Chen LJ, Yoshida K, Fujiwara S, Wang ZW, Zhang YQ, Mitsuda N, Wang M, Liu GH, Pecoraro L, Huang HX, Xiao XJ, Lin M, Wu XY, Wu WL, Chen YY, Chang SB, Sakamoto S, Ohme-Takagi M, Yagi M, Zeng SJ, Shen CY, Yeh CM, Luo YB, Tsai WC, Van de Peer Y, Liu ZJ	Nature