出版年月	著作類別	著作名稱	作者	收錄出處
2024-01	期刊論文	PlantPAN 4.0: updated database for identifying conserved non-coding sequences and exploring dynamic transcriptional regulation in plant promoters	C.N. Chow, C. W. Yang, N. Y. Wu, H. T. Wang, K. C. Tseng, Y. H. Chiu, T. Y. Lee and W.C. Chang*	Nucleic Acids Research
2023-06	期刊論文	JustRNA: a database of plant long noncoding RNA expression profiles and functional network	K. C. Tseng, N. Y. Wu, C. N. Chow, H. Q. Zheng, C. Y. Chou, C. W. Yang, M. J. Wang, S. B. Chang and W. C. Chang*	Journal of Experimental Botany
2023-03	期刊論文	Databases and prospects of dynamic gene regulation in eukaryotes: A mini review	C. N. Chow, C. W. Yang, and W. C. Chang*	Computational and Structural Biotechnology Journal
2023-01	專書論文	Chapter 9: Plant Cis-elements and Transcription Factors	C. N. Chow, K. C.Tseng and W. C. Chang	Plant Omics: Advances in Big Data Biology

2023-01	專書論文	Database for plant transcription factor binding sites	W. C. Chang and C. N. Chow	Transcription Factor Regulatory Networks
2022-09	期刊論文	Mysteries of gene regulation: Promoters are not the sole triggers of gene expression	C. N. Chow, K. C. Tseng, P. F. Hou, N. Y. Wu, T. Y. Lee, and W.C. Chang	Computational and Structural Biotechnology Journal
2022-01	期刊論文	dbPTM in 2022: an updated database for exploring regulatory networks and functional associations of protein post-translational modifications	Z.Li, S. Li, M. Luo, J.H. Jhong, W. Li, L. Yao, Y. Pang, Z. Wang, R. Wang, R. Ma, J. Yu, Y. Huang, X. Zhu, Q. Cheng, H. Feng, J. Zheng, C. Wang, J. B.K. Ksu, W.C. Chang, F.X. Wei, H.D. Huang, T.Y. Lee	Nucleic Acids Research
2021-08	期刊論文	Exploring the Multifunctional Roles of Odontoglossum Ringspot Virus P126 in Facilitating Cymbidium Mosaic Virus Cell-to-Cell Movement during Mixed Infection	S.C. Lee, H. P, Y.W. Huang, M.H. He, Y.L. Song, S.Y. Kuo, W.C. Chang, Y.H. Hsu, and N.S. Lin	Viruses
2020-06	期刊論文	EXPath 2.0: An Updated Database for	K.C. Tseng, G.Z. Li, Y.C. Hung, C.N. Chow, N.Y. Wu, Y.Y.	Plant and Cell

		Integrating High-Throughput Gene Expression Data with Biological Pathways	Chien, H. Q. Zheng, T.Y. Lee, P.L. Kuo, S.B. Chang, and W.C. Chang*	Physiology
2020-06	期刊論文	SuccSite: Incorporating Amino Acid Composition and Informative k-spaced Amino Acid Pairs to Identify Protein Succinylation Sites	H.J. Kao, V.N. Nguyen, K.Y. Huang, W.C. Chang, T.Y. Lee	Genomics, Proteomics & Bioinformatics
2020-04	期刊論文	Long-Term Effects of Fertilizers with Regional Climate Variability on Yield Trends of Sweet Corn	P.F. Hou, Y.T. Chang, J.M. Lai, K.L. Chou, S.F. Tai, K.C. Tseng, C.N. Chow, S.L. Jeng, H.J. Huang, and W.C. Chang*	Sustainability
2020-04	期刊論文	sRIS: a small RNA illustration system for plant next-generation sequencing data analysis	K.C. Tseng, Y.F. Chiang-Hsieh, H. Pai, N.Y. Wu, H.Q. Zheng, C.N. Chow, T.Y. Lee, S.B. Chang, N.S. Lin, and W.C. Chang*	Plant and Cell Physiology
2019-12	期刊論文	Endophytic Microbiome of Biofuel Plant Miscanthus sinensis (Poaceae) Interacts with Environmental Gradients	C.L. Huang, R. Sarkar, T.W. Hsu, C.F. Yang, W.C. Chang and T.Y. Chiang	Microbial Ecology

2019-10	期刊論文	Phototropins Mediate Chloroplast Movement in Phalaenopsis aphrodite (Moth Orchid)	Y.J. Lin, Y.C. Chen, K.C. Tseng, W.C. Chang and S.S. Ko	Plant and Cell Physiology
2019-05	期刊論文	The genome of cultivated peanut provides insight into legume karyotypes, polyploid evolution and crop domestication	W.J. Zhuang, H. Chen, M. Yang, J.P. Wang, M.K. Pandey, C. Zhang, W.C. Chang, L.S. Zhang, X.T. Zhang, R.H. Tang, V. Garg, X.J. Wang, H.B. Tang, C.N. Chow, J.P. Wang, Y. Deng, D.P. Wang, A.W. Khan, Q. Yang, T.C. Cai, P. Bajaj, K.C. Wu, B.Z. Guo, X.Y. Zhang, J.J. Li, F. Liang, J. Hu, B.S. Liao, S.Y. Liu, A. Chitikineni, H.S. Yan, Y.X. Zheng, S.H. Shan, Q.Z. Liu, D.Y. Xie, Z.Y. Wang, S.A. Khan, N. Ali, C.Z. Zhao, X.G. Li, Z.L. Luo, S.B. Zhang, R.R. Zhuang, Z. Peng, S.Y. Wang, G. Mamadou, Y.H. Zhuang, Z.F. Zhao, W.C. Yu, F.G. Xiong, W.P. Quan, M. Yuan, Y. Li, H.S. Zou, H. Xia, L. Zha, J.P. Fan, J.G. Yu, W.P. Xie, J.Q. Yuan, K. Chen, S.S. Zhao, W.T. Chu, Y.T. Chen, P.C. Sun, F.B. Meng, T. Zhuo, Y.H. Zhao, C.J. Li, G.H. He, Y.L. Zhao, C.C. Wang, P.B. Kavikishor, R.L. Pan, A.H. Paterson, X.Y. Wang, R. Ming and R.K. Varshney	Nature Genetics

2019-01	期刊論文	PlantPAN3.0: a new and updated resource for reconstructing transcriptional regulatory networks from ChIP-seq experiments in plants	C. N. Chow, T. Y. Lee, Y. C. Hung, G. Z. Li, K. C. Tseng, Y. H. Liu, P. L. Kuo, H. Q. Zheng and W. C. Chang*	Nucleic Acids Research
2019-01	期刊論文	dbPTM in 2019: exploring disease association and cross-talk of post-translational modifications	K.Y. Huang, T.Y. Lee*, H.J. Kao, C.T. Ma, C.C. Lee, T.H. Lin, W.C. Chang, H.D. Huang	Nucleic Acids Research
2018-11	期刊論文	Elements Involved in the Rsv3-Mediated Extreme Resistance Against an Avirulent Strain of Soybean Mosaic Virus	M. Alazem, K. C. Tseng, W. C. Chang, J. K. Seo, and K. H. Kim	Viruses
2018-05	期刊論文	Delineation of condition specific cis- and trans- acting elements in plant promoters under various endo- and exogenous stimuli	C. N. Chow, Y. F. Chiang-Hsieh, C. H. Chien, H. Q. Zheng, T. Z. Tzong, N. Y. Wu, K. C. Tseng, P. F. Hou and W. C. Chang*	BMC Genomics
2018-05	期刊論文	Paddy-upland rotation for sustainable agriculture with regards to diverse soil	P. F. Hou, C.H. Chien, Y.F. Chiang-Hsieh, K.C. Tseng, C.N. Chow, H.J. Huang and W. C. Chang*	Scientific Reports

		microbial community		
2018-04	期刊論文	The Rho signalling pathway mediates the pathogenicity of AHPND-causing V. parahaemolyticus in shrimp	T.H. Ng, C.W. Lu, S.S. Lin, C.C. Chang, L.H. Tran, W.C. Chang, C.F. Lo, H.C. Wang	Cellular Microbiology
2018-04	期刊論文	microRPM: A microRNA Prediction Model based only on plant small RNA sequencing data	K. C. Tseng, Y. F. Chiang-Hsieh, H. Pai, C. N. Chow, S. C. Lee, H. Q. Zheng,P. L. Kuo, G. Z. Li, Y. C. Hung, N. S. Lin and W. C. Chang*	Bioinformatics
2017-08	期刊論文	EXPath tool-a system for comprehensively analyzing regulatory pathways and coexpression networks from high-throughput transcriptome data	H. Q. Zheng, N. Y. Wu, C. N. Chow, K. C. Tseng, C. H. Chien, Y. C. Hung, G. Z. Li, and W. C. Chang*	DNA Research
2017-03	期刊論文	Common Stress Transcriptome Analysis Reveals Functional and Genomic Architecture Differences Between Early and Delayed Response Genes	C. W. Lin, L. Y. Huang, C. L. Huang, Y. C. Wang, P. H. Lai, H. V. Wang, W. C. Chang, T. Y. Chiang, and H. J. Huang*	Plant and Cell Physiology

2016-06	期刊論文	Comparative transcriptome analysis reveals a potential photosynthate partitioning mechanism between lipid and starch biosynthetic pathways in green microalgae	W. C. Chang, H. Q. Zheng, and C. N. N. Chen*	Algal Research-Biomass Biofuels and Bioproducts
2016-01	期刊論文	PlantPAN 2.0: an update of Plant Promoter Analysis Navigator for reconstructing transcriptional regulatory networks in plants	C.N. Chow, H.Q. Zheng, N.Y. Wu, C.H. Chien, H.D. Huang, T.Y. Lee, Y.F. Chiang-Hsieh, P.F. Hou, T.Y. Yang, and W. C. Chang*	Nucleic Acids Research
2015-05	期刊論文	AtmiRNET: a web-based resource for reconstructing regulatory networks of Arabidopsis microRNAs	C. H. Chien, Y. F. Chiang-Hsieh, Y. A. Chen, C. N. Chow, N. Y. Wu, P. F. Hou, W. C. Chang*	Database (Oxford)
2015-01	期刊論文	EXPath: a database of comparative expression analysis inferring metabolic pathways for plants	Chia-Hung Chien, Chi-Nga Chow, Nai-Yun Wu, Yi-Fan Chiang-Hsieh, Ping-Fu Hou, Wen-Chi Chang*	BMC Genomics
2014-12	期刊論文	Novel Bioinformatics Approaches for Analysis of High-Throughput	J. T. -Y Weng, L. C. Wu, W. C. Chang, T. H. Chang, T. Akutsu, and T. Y. Lee	BioMed Research International

		Biological Data		
2014-06	期刊論文	Large-Scale Investigation of Human TF-miRNA Relations Based on Coexpression Profiles	C. H. Chien, Y. F. Chiang-Hsieh, A. P. Tsou, S. L. Weng, W. C. Chang, and H. D. Huang	BioMed Research International
2014-05	期刊論文	Deciphering mycorrhizal fungi in cultivated Phalaenopsis microbiome with next-generation sequencing of multiple barcodes	C.L. Huang†, F.Y. Jian†, H.J. Huang†, W.C. Chang†, W.L. Wu†, C.C. Hwang, R.H. Lee, T.Y. Chiang (†contributed equally)	Fungal Diversity
2014-03	期刊論文	AlgaePath: comprehensive analysis of metabolic pathways using transcript abundance data from next-generation sequencing in green algae	H.Q. Zheng, Y.F. Chiang-Hsieh, C.H. Chien, B.K. Hsu, T.L. Liu, C.N. Chen, Wen-Chi Chang*	BMC Genomics
2013-01	期刊論文	dbPTM 3.0: an informative resource for investigating substrate site specificity and functional association of protein post-translational modifications	C.T. Lu, K.Y. Huang, M.G. Su, T.Y. Lee, N. A. Bretana, W.C. Chang, Y.J. Chen, Y.J. Chen, and H.D. Huang	Nucleic Acids Research

2012-03	期刊論文	AtPAN: an integrated system for reconstructing transcriptional regulatory networks in Arabidopsis thaliana	Y.A. Chen, Y.C. Wen, and W.C. Chang	BMC Genomics
2012-01	期刊論文	GPMiner: an integrated system for mining combinatorial cis-regulatory elements in mammalian gene group	T.Y. Lee, W.C. Chang, J.B.K. Hsu, T.H. Chang and D.M. Shien	BMC Genomics
2011-08	期刊論文	Identifying transcriptional start sites of human microRNAs based on high-throughput sequencing data	C.H. Chien, Y.M. Sun, W.C. Chang, P.Y. CH,T.Y. Lee,W.C. Tsai, J.T. Horng, A.P. Tsou and H.D. Huang	Nucleic Acids Research
2011-01	期刊論文	RegPhos: a system to explore the protein kinase–substrate phosphorylation network in humans	T.Y. Lee, J.B.K. Hsu, W.C. Chang*, and H.D. Huang*	Nucleic Acids Research
2010-07	期刊論文	Ovate family protein 1 as a plant Ku70 interacting protein involving in DNA double-strand break repair	.K. Wang, W.C. Chang, P.F. Liu, M.K. Hsiao, C.T. Lin, S.M. Lin, and R.L. Pan*	Plant Molecular Biology

2010-01	期刊論文	N-Ace: using solvent accessibility and physicochemical properties to identify protein N-Acetylation sites	T.Y. Lee, J.B.K. Hsu, F.M. Lin, W.C. Chang*, P.C. Hsu, and H.D. Huang*	Journal of Computational Chemistry
2009-10	期刊論文	miRExpress: analyzing high-throughput sequencing data for profiling microRNA expression	W.C. Wang, F.M. Lin, W.C. Chang, K.Y. Lin, H.D. Huang, and N.S. Lin	BMC Bioinformatics
2009-04	期刊論文	FMM: a web server for metabolic pathway reconstruction and comparative analysis	C.H. Chou†, W.C. Chang†(† joint first authorship), C.M. Chiu, C.C. Huang, H.D. Huang*	Nucleic Acids Research
2009-01	期刊論文	A comprehensive resource for integrating and displaying protein post-translational modifications	T.Y. Lee, J.B.K. Hsu, W.C. Chang, T.Y. Wang, P.C. Hsu, and H.D. Huang	BMC Research Notes
2009---	期刊論文	Incorporating Structural Characteristics for Identification of Protein Methylation Sites	2. D.M. Shien, T.Y. Lee, W.C. Chang, J.B.K. Hsu, J.T. Horng, P.C. Hsu, T.Y. Wang,H.D. Huang*	Journal of Computational Chemistry
2009---	期刊論文	Incorporating Support Vector Machine	Wen-Chi Chang, Tzong-Yi Lee, Dray-Ming Shien, Justin	Journal of

		for Identifying Protein Tyrosine Sulfation Sites	Bo-Kai Hsu, Hsien-Da Huang, Rong-Long Pan	Computational Chemistry
2008-11	期刊論文	PlantPAN: Plant Promoter Analysis Navigator, for identifying combinatorial cis-regulatory elements with distance constraint in plant gene groups	W.C. Chang, T.Y. Lee, H.D. Huang, H.Y. Huang, and R.L. Pan	BMC Genomics
2008---	期刊論文	Regulation of Arabidopsis thaliana Ku genes at different developmental stages under heat stress	P.F. Liu, Y.K. Wang, W.C. Chang, H.Y. Chang, and R.L. Pan*	Biochimica et Biophysica Acta
2008---	期刊論文	Regulation of Ku gene promoters in Arabidopsis by hormones and stress	W.C. Chang, Y.K. Wang, P.F. Liu, Y.F. Tsai, L.R. Kong, C.K. Lin, C.H. Yang, and R.L. Pan*	Functional Plant Biology
2008---	期刊論文	Signaling pathways mediating the suppression of Arabidopsis thaliana Ku gene expression by abscisic acid	P.F. Liu, W.C. Chang, Y.K. Wang, S.B. Munisamy, S.H, Hsu, H.Y. Chang, S.H. Wu, and R.L. Pan*	Biochimica et Biophysica Acta
2007---	期刊論文	Differential regulation of Ku gene	P.F. Liu, W.C. Chang, Y.K. Wang, H.Y. Chang, and R.L.	Biochimica et

		expression in etiolated mung bean hypocotyls by auxins	Pan*	Biophysica Acta
2007---	期刊論文	Functional roles of arginine residues in mung bean vacuolar H+-pyrophosphatase	Y.Y. Hsiao, Y.J. Pan, S.H. Hsu, Y.T. Huang, T.H. Liu, C.H. Lee, P.F. Liu, W.C. Chang, R.L. Pan*	Biochim Biophys Acta
2004---	期刊論文	Characterization of DNA end-binding activities in higher plants	K.H. Yan, P.F. Liu, H.T. Tzeng, W.C. Chang, W.G. Chou, R.L. Pan*	Plantt Physiology and Biochemistry