

Publications in 2019

The IF of journal is based on ISI Web of Knowledge Journal Citation Report® 2018.

(a) Journal

	With SKI affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
1.	✓	CHAN Ting Fung	Chow, E.Y., Zhang, J., Qin, H. and Chan, T.F. (2019). Characterization of Hepatocellular Carcinoma Cell Lines Using a Fractionation-Then-Sequencing Approach Reveals Nuclear-Enriched HCC-Associated lncRNAs. <i>Frontiers in genetics</i> 10: 1081.	3.517	56/174	Genetics & Heredity
2.		CHAN Ting Fung	Jiang, G., Luk, A.O.Y., Tam, C.H.T., Xie, F., Carstensen, B., Lau, E.S.H., Lim, C.K.P., Lee, H.M., Ng, A.C.W., Ng, M.C.Y., Ozaki, R., Kong, A.P.S., Chow, C.C., Yang, X., Lan, H.Y., Tsui, S.K.W., Fan, X., Szeto, C.C., So, W.Y., Chan, J.C.N., Ma, R.C.W. and Hong Kong Diabetes Register, T.R.S.S.G. (2019). Progression of diabetic kidney disease and trajectory of kidney function decline in Chinese patients with Type 2 diabetes. <i>Kidney international</i> 95(1): 178-187.	8.306	5/80	Urology & Nephrology
3.	✓	CHAN Ting Fung	Lai, K.P., Wang, S.Y., Li, J.W., Tong, Y., Chan, T.F., Jin, N., Tse, A., Zhang, J.W., Wan, M.T., Tam, N., Au, D.W.T., Lee, B.Y., Lee, J.S., Wong, A.S.T., Kong, R.Y.C. and Wu, R.S.S. (2019). Hypoxia Causes Transgenerational Impairment of Ovarian Development and Hatching Success in Fish. <i>Environmental science & technology</i> 53(7): 3917-3928.	7.149	5/52 14/251	Engineering, Environmental Environmental Sciences
4.		CHAN Ting Fung	Law, C.O.K., Huang, C., Pan, Q., Lee, J., Hao, Q., Chan, T.F., Lo, N.W.S., Ang, I.L., Koon, A., Ip, M., Chan, E. and Lau, T.C.K. (2019). A Small RNA Transforms the Multidrug Resistance of <i>Pseudomonas aeruginosa</i> to Drug Susceptibility. <i>Molecular therapy-Nucleic acids</i> 16: 218-228.	5.919	15/136	Medicine, Research & Experimental
5.	✓	CHAN Ting Fung	Leung, A.K., Liu, M.C., Li, L., Lai, Y.Y., Chu, C., Kwok, P.Y., Ho, P.L., Yip, K.Y. and Chan, T.F. (2019). OMMA enables population-scale analysis of complex genomic features and phylogenomic relationships from nanochannel-based optical maps. <i>GigaScience</i> 8(7).	4.688	13/69	Multidisciplinary Sciences
6.	✓	CHAN Ting Fung	Levy-Sakin, M., Pastor, S., Mostovoy, Y., Li, L., Leung, A.K.Y., McCaffrey, J., Young, E., Lam, E.T., Hastie, A.R., Wong, K.H.Y., Chung, C.Y.L., Ma, W., Sibert, J., Rajagopalan, R., Jin, N., Chow, E.Y.C., Chu, C., Poon, A., Lin, C., Naguib, A., Wang, W.P., Cao, H., Chan, T.F., Yip, K.Y., Xiao, M. and Kwok, P.Y. (2019). Genome maps across 26 human populations reveal population-specific patterns of structural variation. <i>Nature communications</i> 10(1): 1025.	11.878	5/69	Multidisciplinary Sciences

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7.	✓	CHAN Ting Fung	Nawaz, M.A., Lin, X., Chan, T.F., Imtiaz, M., Rehman, H.M., Ali, M.A., Baloch, F.S., Atif, R.M., Yang, S.H. and Chung, G. (2019). Characterization of Cellulose Synthase A (CESA) Gene Family in Eudicots. <i>Biochemical genetics</i> 57(2): 248-272.	1.931	227/299 120/174	Biochemistry & Molecular Biology Genetics & Heredity
8.		CHAN Ting Fung	Song, W., Zhang, C.L., Gou, L., He, L., Gong, Y.Y., Qu, D., Zhao, L., Jin, N., Chan, T.F., Wang, L., Tian, X.Y., Luo, J.Y. and Huang, Y. (2019). Endothelial TFEB (Transcription Factor EB) Restrains IKK (IkappaB Kinase)-p65 Pathway to Attenuate Vascular Inflammation in Diabetic db/db Mice. <i>Arteriosclerosis, thrombosis, and vascular biology</i> 39(4): 719-730.	6.618	8/73 4/65	Hematology Peripheral Vascular Disease
9.		CHAN Ting Fung	Tam, C., Wong, J.H., Tsui, S.K.W., Zuo, T., Chan, T.F. and Ng, T.B. (2019). LncRNAs with miRNAs in regulation of gastric, liver, and colorectal cancers: updates in recent years. <i>Applied microbiology and biotechnology</i> 103(12): 4649-4677.	3.670	41/162	Biotechnology & Applied Microbiology
10.	✓	CHAN Ting Fung	Yeung, P.Y., Zhao, J., Chow, E.Y., Mou, X., Hong, H., Chen, L., Chan, T.F.* and Kwok, C.K.* (2019). Systematic evaluation and optimization of the experimental steps in RNA G-quadruplex structure sequencing. <i>Scientific reports</i> 9(1): 8091.	4.011	15/69	Multidisciplinary Sciences
11.		CHAN Ting Fung	Yu, A.C., Yim, A.K., Chan, A.Y., Yuen, L.Y.P., Au, W.C., Cheng, T.H.T., Lin, X., Li, J.W., Chan, L.W.L., Mok, V.C.T., Chan, T.F. and Chan, H.Y.E. (2019). A Targeted Gene Panel That Covers Coding, Non-coding and Short Tandem Repeat Regions Improves the Diagnosis of Patients With Neurodegenerative Diseases. <i>Frontiers in neuroscience</i> 13: 1324.	3.648	92/267	Neurosciences
12.	✓	CHYE Mee Len	Guo, Z.H., Haslam, R.P., Michaelson, L.V., Yeung, E.C., Lung, S.C., Napier, J.A. and Chye, M.L.* (2019). The overexpression of rice ACYL-CoA-BINDING PROTEIN2 increases grain size and bran oil content in transgenic rice. <i>The Plant journal</i> 100(6): 1132-1147. Press release: https://www.hku.hk/press/news_detail_20327.html	5.726	11/228	Plant Sciences
13.	✓	CHYE Mee Len	Guo, Z.H., Ye, Z.W., Haslam, R.P., Michaelson, L.V., Napier, J.A. and Chye, M.L.* (2019). Arabidopsis cytosolic acyl-CoA-binding proteins function in determining seed oil composition. <i>Plant direct</i> 3(12): e00182.	N/A	N/A	N/A
14.	✓	CHYE Mee Len	Liao, P., Woodfield, H.K., Harwood, J.L., Chye, M.L.* and Scofield, S.* (2019). Comparative Transcriptomics Analysis of Brassica napus L. during Seed Maturation Reveals Dynamic Changes in Gene Expression between Embryos and Seed Coats and Distinct Expression Profiles of Acyl-CoA-Binding Proteins for Lipid Accumulation. <i>Plant & cell physiology</i> 60(12): 2812-2825.	3.929	23/228 80/193	Plant Sciences Cell Biology

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15.	✓	CHYE Mee Len	Lung, S.C. and Chye, M.L.* (2019). Arabidopsis acyl-CoA-binding proteins regulate the synthesis of lipid signals. <i>The New phytologist</i> 223(1): 113-117.	7.299	8/228	Plant Sciences
16.	✓	CHYE Mee Len	Miao, R., Lung, S.C., Li, X., Li, X.D. and Chye, M.L.* (2019). Thermodynamic insights into an interaction between ACYL-CoA-BINDING PROTEIN2 and LYSOPHOSPHOLIPASE2 in Arabidopsis. <i>The Journal of biological chemistry</i> 294(16): 6214-6226.	4.106	81/299	Biochemistry & Molecular Biology
17.		CHYE Mee Len	Panthapulakkal Narayanan, S., Liao, P., Taylor, P.W.J., Lo, C. and Chye, M.L.* (2019). Overexpression of a Monocot Acyl-CoA-Binding Protein Confers Broad-Spectrum Pathogen Protection in a Dicot. <i>Proteomics</i> 19(12): e1800368.	3.106	24/79 133/299	Biochemistry Research Methods Biochemistry & Molecular Biology
18.	✓	GUO Dianjing	Dai, W. and Guo, D. (2019). A Ligand-Based Virtual Screening Method Using Direct Quantification of Generalization Ability. <i>Molecules</i> 24(13).	3.060	136/299 67/172	Biochemistry & Molecular Biology Chemistry, Multidisciplinary
19.	✓	GUO Dianjing	Dai, W.X. and Guo, D.J. (2019). Beta Distribution-Based Cross-Entropy for Feature Selection. <i>Entropy-Switz</i> 21(8).	2.419	28/81	Physics, Multidisciplinary
20.	✓	GUO Dianjing	Yu, J.X., Hu, Y.M., Xu, Y.F., Wang, J., Kuang, J.J., Zhang, W., Shao, J.L., Guo, D.J.* and Wang, Y.J.* (2019). LUADpp: an effective prediction model on prognosis of lung adenocarcinomas based on somatic mutational features. <i>BMC Cancer</i> 19.	2.933	121/230	Oncology
21.	✓	HE Junxian	Feng, L., Li, N., Yang, W., Li, Y., Wang, C.M., Tong, S.W. and He, J. (2019). Analyses of mitochondrial genomes of the genus <i>Ammopiptanthus</i> provide new insights into the evolution of legume plants. <i>Plant Systematics and Evolution</i> 305: 385-399.	1.585	106/228 41/50	Plant Sciences Evolutionary Biology
22.	✓	HUI Ho Lam, Jerome CHAN Ting Fung	Nong, W.Y., Chai, Z.Y., Jiang, X., Qin, J., Ma, K.Y., Chan, K.M., Chan, T.F., Chow, B.K., Kwan, H.S., Wong, C.K., Qiu, J.W., Hui, J.H.L.* , Chu, K.H. (2020) A crustacean annotated transcriptome (CAT) database. <i>BMC Genomics</i> , 21, 32. (Accepted: 26 December 2019)	3.501	48/162 58/174	Biotechnology & Applied Microbiology Genetics & Heredity
23.		HUI Ho Lam, Jerome	Yang, X.Y., Brobst, D., Chan, W.S., Tse, M.C.L., Herlea-Pana, O., Ahuja, P., Bi, X.Y., Zaw, A.M., Kwong, Z.S.W., Jia, W.H., Zhang, Z.G., Zhang, N., Chow, S.K.H., Cheung, W.H., Louie, J.C.Y., Griffin, T.M., Nong, W.Y., Hui, J.H.L., Du, G.H., Noh, H.L., Saengnipanthkul, S., Chow, B.K.C., Kim, J.K., Lee, C.W. and Chan, C.B. (2019). Muscle-generated BDNF is a sexually dimorphic myokine that controls metabolic flexibility. <i>Science Signaling</i> 12(594).	6.565	36/299 36/193	Biochemistry & Molecular Biology Cell Biology

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24.	✓	JIANG Liwen	Cui, Y.*, Gao, J., He, Y. and Jiang, L.* (2019). Plant extracellular vesicles. <i>Protoplasma</i> (in press) doi: 10.1007/s00709-019-01435-6	2.633	58/228 132/193	Plant Sciences Cell Biology
25.	✓	JIANG Liwen	He, Y., Yan, L., Ge, C., Yao, X.F., Han, X., Wang, R., Xiong, L., Jiang, L., Liu, C.M. and Zhao, Y. (2019). PINOID Is Required for Formation of the Stigma and Style in Rice. <i>Plant physiology</i> 180(2): 926-936.	6.305	10/228	Plant Sciences
26.	✓	JIANG Liwen	Hu, S., Ye, H., Cui, Y. and Jiang, L.W. (2019). AtSec62 is critical for plant development and is involved in ER-phagy in Arabidopsis thaliana. <i>Journal of Integrative Plant Biology</i> 2020 Feb;62(2):181-200. doi: 10.1111/jipb.12872. Epub 2019 Nov 19.	3.824	94/299 26/228	Biochemistry & Molecular Biology Plant Sciences
27.	✓	JIANG Liwen	Huang, D., Sun, Y., Ma, Z., Ke, M., Cui, Y., Chen, Z., Chen, C., Ji, C., Tran, T.M., Yang, L., Lam, S.M., Han, Y., Shu, G., Friml, J., Miao, Y., Jiang, L. and Chen, X. (2019). Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 116(42): 21274-21284.	9.580	7/69	Multidisciplinary Sciences
28.	✓	JIANG Liwen	Lai, L.T.F., Ye, H., Zhang, W., Jiang, L. and Lau, W.C.Y. (2019). Structural Biology and Electron Microscopy of the Autophagy Molecular Machinery. <i>Cells</i> 8(12).	5.656	40/193	Cell Biology
29.	✓	JIANG Liwen	Lai, L.T.F., Yu, C.Y., Wong, J.S.K., Lo, H.S., Benlekbir, S., Jiang, L.W. and Lau, W.C.Y. (2019). Subnanometer resolution cryo-EM structure of Arabidopsis thaliana ATG9. <i>Autophagy</i> (in press) doi: 10.1080/15548627.	11.059	14/193	Cell Biology
30.	✓	JIANG Liwen	Li, H., Li, Y., Zhao, Q., Li, T., Wei, J., Li, B., Shen, W., Yang, C., Zeng, Y., Rodriguez, P.L., Zhao, Y., Jiang, L.*, Wang, X.* and Gao, C.* (2019). The plant ESCRT component FREE1 shuttles to the nucleus to attenuate abscisic acid signalling. <i>Nature plants</i> 5(5): 512-524.	13.297	3/228	Plant Sciences
31.	✓	JIANG Liwen	Wang, X.*, Xu, M., Gao, C., Zeng, Y., Cui, Y., Shen, W.* and Jiang, L. (2019). The roles of endomembrane trafficking in plant abiotic stress responses. <i>Journal of Integrative Plant Biology</i> (in press) doi: 10.1111/jipb.12895	3.824	94/299 26/228	Biochemistry & Molecular Biology Plant Sciences
32.	✓	JIANG Liwen	Zeng, Y., Li, B., Zhang, W. and Jiang, L. (2019). ER-Phagy and ER Stress Response (ERSR) in Plants. <i>Frontiers in plant science</i> 10: 1192.	4.106	20/228	Plant Sciences
33.	✓	JIANG Liwen	Zeng, Y.L., Li, B.Y., Lin, Y.S. and Jiang, L.W. (2019). The interplay between endomembranes and autophagy in plants. <i>Current Opinion in Plant Biology</i> 52: 14-22.	7.508	7/228	Plant Sciences

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34.	✓	JIANG Liwen	Zhao, Q., Shen, J., Gao, C., Cui, Y., Wang, Y., Cui, J., Cheng, L., Cao, W., Zhu, Y., Huang, S., Zhou, Q., Leong, C.K., Leung, K.P., Chen, X. and Jiang, L. (2019). RST1 Is a FREE1 Suppressor That Negatively Regulates Vacuolar Trafficking in Arabidopsis. <i>The Plant cell</i> 31(9): 2152-2168.	8.631	22/299 6/228 25/193	Biochemistry & Molecular Biology Plant Sciences Cell Biology
35.	✓	JIANG Liwen	Zhu, X., Pan, T., Zhang, X., Fan, L., Quintero, F.J., Zhao, H., Su, X., Li, X., Villalta, I., Mendoza, I., Shen, J., Jiang, L., Pardo, J.M. and Qiu, Q.S. (2018). K(+) Efflux Antiporters 4, 5, and 6 Mediate pH and K(+) Homeostasis in Endomembrane Compartments. <i>Plant physiology</i> 178(4): 1657-1678. # <i>(Supplementary information of SKL 2018 report)</i>	6.305	10/228	Plant Sciences
36.		KANG Byung-Ho	Cao, Z., Hao, Y., Fung, C.W., Lee, Y.Y., Wang, P.F., Li, X.S., Xie, K., Lam, W.J., Qiu, Y.F., Tang, B.Z., Shui, G.H., Liu, P.S., Qu, J.A., Kang, B.H. and Mak, H.Y. (2019). Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. <i>Nature communications</i> 10. DOI: Artn 290210.1038/S41467-019-10835-4.	11.878	5/69	Multidisciplinary Sciences
37.		KANG Byung-Ho	Kang, W., Ma, T., Liu, M., Qu, J., Liu, Z., Zhang, H., Shi, B., Fu, S., Ma, J., Lai, L.T.F., He, S., Qu, J., Wing-Ngor Au, S., Ho Kang, B., Yu Lau, W.C., Deng, Z., Xia, J. and Liu, T. (2019). Modular enzyme assembly for enhanced cascade biocatalysis and metabolic flux. <i>Nature communications</i> 10(1): 4248. DOI: 10.1038/s41467-019-12247-w.	11.878	5/69	Multidisciplinary Sciences
38.	✓	KANG Byung-Ho	Mai, K.K.K., Yeung, W.T., Han, S.Y., Cai, X., Hwang, I. and Kang, B.H. (2019). Electron Tomography Analysis of Thylakoid Assembly and Fission in Chloroplasts of a Single-Cell C4 plant, <i>Bienertia sinuspersici</i> . <i>Scientific reports</i> 9(1): 19640. DOI: 10.1038/s41598-019-56083-w.	4.011	15/69	Multidisciplinary Sciences
39.	✓	KANG Byung-Ho	Wang, P., Liang, Z. and Kang, B.H. (2019). Electron tomography of plant organelles and the outlook for correlative microscopic approaches. <i>The New phytologist</i> 223(4): 1756-1761. DOI: 10.1111/nph.15882.	7.299	8/228	Plant Sciences
40.		KWAN Kin Ming	Wang, Q., Peng, S., Hu, Y., Wong, C.H., Kwan, K.M., Chan, H.Y.E. and Zuo, Z. (2019). Efficient brain uptake and distribution of an expanded CAG RNA inhibitor DB213 via intranasal administration. <i>European Journal of Pharmaceutical Sciences</i> 127: 240-251. DOI: 10.1016/j.ejps.2018.10.025.	3.532	71/267	Pharmacology & Pharmacy
41.	✓	LAM Hon-Ming	Ferguson, B.J., Minamisawa, K., Munoz, N.B. and Lam, H.M. (2019). Editorial: Metabolic Adjustments and Gene Expression Reprogramming for Symbiotic Nitrogen Fixation in Legume Nodules. <i>Frontiers in plant science</i> 10: 898. DOI: 10.3389/fpls.2019.00898.	4.106	20/228	Plant Sciences

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42.	✓	LAM Hon-Ming	Ku, Y.S., Rehman, H.M. and Lam, H.M. (2019). Possible roles of rhizospheric and endophytic microbes to provide a safe and affordable means of crop biofortification. <i>Agronomy</i> 9: 764.	2.259	19/89 78/228	Agronomy Plant Sciences
43.	✓	LAM Hon-Ming	Li, M.W., Wang, Z., Jiang, B., Kaga, A., Wong, F.L., Zhang, G., Han, T., Chung, G., Nguyen, H. and Lam, H.M. (2019). Impacts of genomic research on soybean improvement in East Asia. <i>Theoretical and applied genetics</i> . DOI: 10.1007/s00122-019-03462-6.	3.926	6/89 25/228 43/174 2/36	Agronomy Plant Sciences Genetics Horticulture
44.	✓	LAM Hon-Ming	Liu, J.Z. and Lam, H.M. (2019). Signal Transduction Pathways in Plants for Resistance against Pathogens. <i>International journal of molecular sciences</i> 20(9). DOI: 10.3390/ijms20092335.	4.183	78/299	Biochemistry & Molecular Biology
45.	✓	LAM Hon-Ming	Rehman, H.M., Cheung, W.L., Wong, K.S., Xie, M., Luk, C.Y., Wong, F.L., Li, M.W., Tsai, S.N., To, W.T., Chan, L.Y. and Lam, H.M. (2019). High-Throughput Mass Spectrometric Analysis of the Whole Proteome and Secretome From <i>Sinorhizobium fredii</i> Strains CCBAU25509 and CCBAU45436. <i>Frontiers in microbiology</i> 10: 2569. DOI: 10.3389/fmicb.2019.02569.	4.259	32/133	Microbiology
46.	✓	LAM Hon-Ming	Wei, P., Che, B., Shen, L., Cui, Y., Wu, S., Cheng, C., Liu, F., Li, M.W., Yu, B. and Lam, H.M. (2019). Identification and functional characterization of the chloride channel gene, GsCLC-c2 from wild soybean. <i>BMC plant biology</i> 19(1): 121. DOI: 10.1186/s12870-019-1732-z.	3.670	30/228	Plant Sciences
47.	✓	LAM Hon-Ming, CHAN Ting-Fung	Valliyodan, B., Cannon, S.B., Bayer, P.E., Shu, S., Brown, A.V., Ren, L., Jenkins, J., Chung, C.Y., Chan, T.F., Daum, C.G., Plott, C., Hastie, A., Baruch, K., Barry, K.W., Huang, W., Patil, G., Varshney, R.K., Hu, H., Batley, J., Yuan, Y., Song, Q., Stupar, R.M., Goodstein, D.M., Stacey, G., Lam, H.M., Jackson, S.A., Schmutz, J., Grimwood, J., Edwards, D. and Nguyen, H.T. (2019). Construction and comparison of three reference-quality genome assemblies for soybean. <i>The Plant journal</i> 100(5): 1066-1082. DOI: 10.1111/tpj.14500.	5.726	11/228	Plant Sciences
48.	✓	LAM Hon-Ming, CHAN HE Junxian	Xie, M., Chung, C.Y., Li, M.W., Wong, F.L., Wang, X., Liu, A., Wang, Z., Leung, A.K., Wong, T.H., Tong, S.W., Xiao, Z., Fan, K., Ng, M.S., Qi, X., Yang, L., Deng, T., He, L., Chen, L., Fu, A., Ding, Q., He, J., Chung, G., Isobe, S., Tanabata, T., Valliyodan, B., Nguyen, H.T., Cannon, S.B., Foyer, C.H., Chan, T.F. and Lam, H.M. (2019). A reference-grade wild soybean genome. <i>Nature communications</i> 10(1): 1216. DOI: 10.1038/s41467-019-09142-9.	11.878	5/69	Multidisciplinary Sciences

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49.	✓	LAM Hon-Ming, Ngai Sai-Ming, CHAN Ting-Fung	Lin, X., Lin, W., Ku, Y.S., Wong, F.L., Li, M.W., Lam, H.M.*, Ngai, S.M.* and Chan, T.F.* (2019). Analysis of Soybean Long Non-coding RNAs Reveals a Subset of Small Peptide-Coding Transcripts. <i>Plant physiology</i> . DOI: 10.1104/pp.19.01324.	6.305	10/228	Plant Sciences
50.	✓ (in funding information)	LIM Boon Leong	Voon, C.P. and Lim, B.L. (2019). ATP translocation and chloroplast biology. <i>National Science Review</i> 6: 1073-1076.	13.222	3/69	Multidisciplinary Sciences
51.	✓	LUO Haiwei	Ren, M., Feng, X., Huang, Y., Wang, H., Hu, Z., Clingenpeel, S., Swan, B.K., Fonseca, M.M., Posada, D., Stepanauskas, R., Hollibaugh, J.T., Foster, P.G., Woyke, T. and Luo, H. (2019). Phylogenomics suggests oxygen availability as a driving force in Thaumarchaeota evolution. <i>The ISME journal</i> 13(9): 2150-2161. DOI: 10.1038/s41396-019-0418-8.	9.493	5/165 10/133	Ecology Microbiology
52.	✓	LUO Haiwei	Zhang, H., Yoshizawa, S., Sun, Y., Huang, Y., Chu, X., Gonzalez, J.M., Pinhassi, J. and Luo, H. (2019). Repeated evolutionary transitions of flavobacteria from marine to non-marine habitats. <i>Environmental microbiology</i> 21(2): 648-666. DOI: 10.1111/1462-2920.14509.	5.147	21/133	Microbiology
53.	✓	TAI Pui-Kuen Amos LAM Hon-Ming	Fung, K.M., Tai, A.P.K.*, Yong, T., Liu, X. and Lam, H.M. (2019). Co-benefits of intercropping as a sustainable farming method for safeguarding both food security and air quality. <i>Environmental Research Letters</i> 14: 044011.	6.192	20/251 5/86	Environmental Sciences Meteorology & Atmospheric Sciences
54.	✓	TAI Pui Kuen Amos	Wong, A. Y. H., Geddes, J. A. *, Tai, A. P. K., & Silva, S. J. (2019). Importance of dry deposition parameterization choice in global simulations of surface ozone. <i>Atmospheric Chemistry and Physics</i> , 19(22), 14365-14385. https://doi.org/10.5194/acp-19-14365-2019	5.668	26/251 8/86	Environmental Sciences Meteorology & Atmospheric Sciences
55.	✓	TAI Pui Kuen Amos	Zhang, Y., Jiang, Y.*, Tai, A. P. K., Feng, J. F., Li, Z. J., Zhu, X. C., Chen, J., Zhang, J., Song, Z. W., Deng, A. X., Lal, Rattan, & Zhang, W. J.* (2019). Contribution of rice variety renewal and agronomic innovations to yield improvement and greenhouse gas mitigation in China. <i>Environmental Research Letters</i> , 14(11), 114020. https://doi.org/10.1088/1748-9326/ab488d	6.192	20/251 5/86	Environmental Sciences Meteorology & Atmospheric Sciences

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56.	✓	TSANG, Suk Ying	Qi, Z., Chen, M., Song, Y., Wang, X., Li, B., Chen, Z.F., Tsang, S.Y.* and Cai, Z.* (2019). Acute exposure to triphenyl phosphate inhibits the proliferation and cardiac differentiation of mouse embryonic stem cells and zebrafish embryos. <i>Journal of cellular physiology</i> 234(11): 21235-21248. DOI: 10.1002/jcp.28729.	4.522	64/193 11/81	Cell Biology Physiology
57.	✓	TSANG, Suk Ying	Sharifpanah, F., Ghofrani, H.A., Tsang, S.Y. and Sauer, H. (2019). Stem/Progenitor Cells in Cardiopulmonary Health, Disease, and Treatment. <i>Stem cells international</i> 2019: 9861403. DOI: 10.1155/2019/9861403.	3.902	10/26	Cell & Tissue Engineering
58.	✓	TSANG, Suk Ying	Wang, Y., Qi, Y.X., Qi, Z. and Tsang, S.Y. (2019). TRPC3 Regulates the Proliferation and Apoptosis Resistance of Triple Negative Breast Cancer Cells through the TRPC3/RASA4/MAPK Pathway. <i>Cancers</i> 11(4). DOI: 10.3390/cancers11040558.	6.162	31/230	Oncology
59.	✓	WONG Kam Bo	Nim, Y.S. and Wong, K.B. (2019). The Maturation Pathway of Nickel Urease. <i>Inorganics</i> 7: 85.	N/A	N/A	N/A
60.	✓	WONG, Kam Bo	Choi, K.A., Yang, L., Lee, K.M., Yu, C.W., Banfield, D.K., Ito, K., Uchiumi, T. and Wong, K.B. (2019). Structural and Mutagenesis Studies Evince the Role of the Extended Protuberant Domain of Ribosomal Protein uL10 in Protein Translation. <i>Biochemistry</i> 58(36): 3744-3754. DOI: 10.1021/acs.biochem.9b00528.	2.952	142/299	Biochemistry & Molecular Biology
61.	✓	WONG Wing Tak, Jack	Zhu, Y., Gao, M., Zhou, T., Xie, M., Mao, A., Feng, L., Yao, X., Wong, W.T. and Ma, X. (2019). The TRPC5 channel regulates angiogenesis and promotes recovery from ischemic injury in mice. <i>The Journal of biological chemistry</i> 294(1): 28-37. DOI: 10.1074/jbc.RA118.005392.	4.106	81/299	Biochemistry & Molecular Biology
62.		WU Jin	Albert, L.P., Restrepo-Coupe, N., Smith, M.N., Wu, J., Chavana-Bryant, C., Prohaska, N., Taylor, T.C., Martins, G.A., Ciais, P., Mao, J., Arain, M.A., Li, W., Shi, X., Ricciuto, D.M., Huxman, T.E., McMahon, S.M. and Saleska, S.R. (2019). Cryptic phenology in plants: Case studies, implications, and recommendations. <i>Global change biology</i> 25(11): 3591-3608. DOI: 10.1111/gcb.14759.	8.880	1/59 6/165 5/251	Biodiversity Conservation Ecology Environmental Sciences
63.		WU Jin	Huang, M., Piao, S., Ciais, P., Penuelas, J., Wang, X., Keenan, T.F., Peng, S., Berry, J.A., Wang, K., Mao, J., Alkama, R., Cescatti, A., Cuntz, M., De Deurwaerder, H., Gao, M., He, Y., Liu, Y., Luo, Y., Myneni, R.B., Niu, S., Shi, X., Yuan, W., Verbeeck, H., Wang, T., Wu, J. and Janssens, I.A. (2019). Air temperature optima of vegetation productivity across global biomes. <i>Nature ecology & evolution</i> 3(5): 772-779. DOI: 10.1038/s41559-019-0838-x.	10.965	2/165 3/50	Ecology Evolutionary Biology

	With SKI affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
64.		WU Jin	Meacham-Hensold, K., Montes, C.M., Wu, J., Guan, K., Fu, P., Ainsworth, E.A., Pederson, T., Moore, C.E., Brown, K.L., Raines, C., and Bernacchi, C.J. (2019). High-throughput field phenotyping using hyperspectral reflectance and partial least squares regression (PLSR) reveals genetic modifications to photosynthetic capacity. <i>Remote Sensing of Environment</i> 231: 111176. DOI: doi.org/10.1016/j.rse.2019.04.029.	8.218	7/251 2/30 2/28	Environmental Sciences Remote Sensing Imaging Science & Photographic Technology
65.		WU Jin	Serbin, S.P., Wu, J., Ely, K., Kruger, E., Townsend, P., Meng, R., Wolfe, B., Wang, Z., and Rogers, A. (2019). From the Arctic to the tropics: multi-biome prediction of leaf mass per area using leaf optical properties. <i>New Phytologist</i> 224: 1557-1568. DOI: doi.org/10.1111/nph.16123.	7.299	8/228	Plant Sciences
66.		WU Jin	Wu, J., Rogers, A., Albert, L.P., Ely, K., Prohaska, N., Wolfe, B.T., Oliveira, R.C., Jr., Saleska, S.R. and Serbin, S.P. (2019). Leaf reflectance spectroscopy captures variation in carboxylation capacity across species, canopy environment and leaf age in lowland moist tropical forests. <i>The New phytologist</i> 224(2): 663-674. DOI: 10.1111/nph.16029.	7.299	8/228	Plant Sciences
67.		WU Jin	Wu, J., Serbin, S.P., Ely, K.S., Wolfe, B.T., Dickman, L.T., Grossiord, C., Michaletz, S.T., Collins, A.D., Detto, M., McDowell, N.G., Wright, S.J. and Rogers, A. (2019). The response of stomatal conductance to seasonal drought in tropical forests. <i>Global change biology</i> 26(2): 823-839. DOI: 10.1111/gcb.14820.	8.880	1/59 6/165 5/251	Biodiversity Conservation Ecology Environmental Sciences
68.	✓	XIA Yiji	Li, Y., Liu, W., Zhong, H., Zhang, H.L. and Xia, Y. (2019). Redox-sensitive bZIP68 plays a role in balancing stress tolerance with growth in Arabidopsis. <i>The Plant journal</i> 100(4): 768-783. DOI: 10.1111/tpj.14476.	5.726	11/228	Plant Sciences
69.	✓	XIA Yiji	Pan, S., Li, K.E., Huang, W., Zhong, H., Wu, H., Wang, Y., Zhang, H., Cai, Z., Guo, H., Chen, X. and Xia, Y. (2019). Arabidopsis DXO1 possesses deNADding and exonuclease activities and its mutation affects defense-related and photosynthetic gene expression. <i>Journal of Integrative Plant Biology</i> DOI: 10.1111/jipb.12867.	3.824	94/299 26/228	Biochemistry & Molecular Biology Plant Sciences
70.	✓	XIA Yiji	Wang, Y., Li, S., Zhao, Y., You, C., Le, B., Gong, Z., Mo, B., Xia, Y. and Chen, X. (2019). NAD(+)-capped RNAs are widespread in the Arabidopsis transcriptome and can probably be translated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 116(24): 12094-12102. DOI: 10.1073/pnas.1903682116.	9.580	7/69	Multidisciplinary Sciences

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
71.	✓	XIA Yiji	Zhang, H., Zhong, H., Zhang, S., Shao, X., Ni, M., Cai, Z., Chen, X.* and Xia, Y.* (2019). NAD tagSeq reveals that NAD(+)-capped RNAs are mostly produced from a large number of protein-coding genes in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 116(24): 12072-12077. DOI: 10.1073/pnas.1903683116.	9.580	7/69	Multidisciplinary Sciences
72.	✓	XIONG Liming	Qin, T., Tian, Q., Wang, G. and Xiong, L. (2019). LOWER TEMPERATURE 1 Enhances ABA Responses and Plant Drought Tolerance by Modulating the Stability and Localization of C2-Domain ABA-Related Proteins in Arabidopsis. <i>Molecular plant</i> 12(9): 1243-1258. DOI: 10.1016/j.molp.2019.05.002.	10.812	16/299 4/228	Biochemistry & Molecular Biology Plant Sciences
73.	✓	ZHANG Jianhua	Bin Rahman, A. and Zhang, J. (2018). Preferential Geographic Distribution Pattern of Abiotic Stress Tolerant Rice. <i>Rice</i> 11(1): 10. DOI: 10.1186/s12284-018-0202-9. #(Supplementary information of SKL 2018 report)	3.513	10/89	Agronomy
74.	✓	ZHANG Jianhua	Chen, M.X., Sun, C., Zhang, K.L., Song, Y.C., Tian, Y., Chen, X., Liu, Y.G., Ye, N.H., Zhang, J., Qu, S. and Zhu, F.Y. (2019). SWATH-MS-facilitated proteomic profiling of fruit skin between Fuji apple and a red skin bud sport mutant. <i>BMC plant biology</i> 19(1): 445. DOI: 10.1186/s12870-019-2018-1.	3.670	30/228	Plant Sciences
75.	✓	ZHANG Jianhua	Chen, M.X., Wijethunge, B., Zhou, S.M., Yang, J.F., Dai, L., Wang, S.S., Chen, C., Fu, L.J., Zhang, J., Hao, G.F. and Yang, G.F. (2019). Chemical Modulation of Alternative Splicing for Molecular-Target Identification by Potential Genetic Control in Agrochemical Research. <i>Journal of agricultural and food chemistry</i> 67(18): 5072-5084. DOI: 10.1021/acs.jafc.9b02086.	3.571	3/57 14/71 28/135	Agriculture, Multidisciplinary Chemistry, Applied Food Science & Technology
76.	✓	ZHANG Jianhua	Chen, M.X., Zhu, F.Y., Gao, B., Ma, K.L., Zhang, Y., Fernie, A.R., Chen, X., Dai, L., Ye, N.H., Zhang, X., Tian, Y., Zhang, D., Xiao, S., Zhang, J.* and Liu, Y.G.* (2019). Full-length transcript-based proteogenomics of rice improves its genome and proteome annotation. <i>Plant physiology</i> . DOI: 10.1104/pp.19.00430.	6.305	10/228	Plant Sciences
77.		ZHANG Jianhua	Chen, Y., Li, S., Zhang, Y., Li, T., Ge, H., Xia, S., Gu, J., Zhang, H., Lu, B., Wu, X., Wang, Z., Yang, J., Zhang, J. and Liu, L. (2019). Rice root morphological and physiological traits interaction with rhizosphere soil and its effect on methane emissions in paddy fields. <i>Soil Biology and Biochemistry</i> 129: 191-200. DOI: https://doi.org/10.1016/j.soilbio.2018.11.015 .	5.290	1/35	Soil Science

	With SKI affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
78.	✓	ZHANG Jianhua	Gao, B., Chen, M., Li, X. and Zhang, J. (2019). Ancient duplications and grass-specific transposition influenced the evolution of LEAFY transcription factor genes. <i>Communications biology</i> 2: 237. DOI: 10.1038/s42003-019-0469-4.	Pending	Pending	Pending
79.	✓	ZHANG Jianhua	Lam, P.Y., Lui, A.C.W., Yamamura, M., Wang, L., Takeda, Y., Suzuki, S., Liu, H., Zhu, F.Y., Chen, M.X., Zhang, J., Umezawa, T., Tobimatsu, Y. and Lo, C. (2019). Recruitment of specific flavonoid B-ring hydroxylases for two independent biosynthesis pathways of flavone-derived metabolites in grasses. <i>The New phytologist</i> 223(1): 204-219. DOI: 10.1111/nph.15795.	7.299	8/228	Plant Sciences
80.		ZHANG Jianhua	Liu, J., Sun, X., Liao, W., Zhang, J., Liang, J. and Xu, W. (2019). Involvement of OsGF14b Adaptation in the Drought Resistance of Rice Plants. <i>Rice</i> 12(1): 82. DOI: 10.1186/s12284-019-0346-2.	3.513	10/89	Agronomy
81.	✓	ZHANG Jianhua	Liu, T.Y., Chen, M.X., Zhang, Y., Zhu, F.Y., Liu, Y.G., Tian, Y., Fernie, A.R., Ye, N. and Zhang, J. (2019). Comparative metabolite profiling of two switchgrass ecotypes reveals differences in drought stress responses and rhizosheath weight. <i>Planta</i> 250(4): 1355-1369. DOI: 10.1007/s00425-019-03228-w.	3.060	45/228	Plant Sciences
82.	✓	ZHANG Jianhua	Liu, T.Y., Ye, N., Song, T., Cao, Y., Gao, B., Zhang, D., Zhu, F., Chen, M., Zhang, Y., Xu, W. and Zhang, J. (2019). Rhizosheath formation and involvement in foxtail millet (<i>Setaria italica</i>) root growth under drought stress. <i>Journal of Integrative Plant Biology</i> 61(4): 449-462. DOI: 10.1111/jipb.12716.	3.824	94/299 26/228	Biochemistry & Molecular Biology Plant Sciences
83.	✓	ZHANG Jianhua	Lu, C., Chen, M.X., Liu, R., Zhang, L., Hou, X., Liu, S., Ding, X., Jiang, Y., Xu, J., Zhang, J., Zhao, X. and Liu, Y.G. (2019). Abscisic Acid Regulates Auxin Distribution to Mediate Maize Lateral Root Development Under Salt Stress. <i>Frontiers in plant science</i> 10: 716. DOI: 10.3389/fpls.2019.00716.	4.106	20/228	Plant Sciences
84.	✓	ZHANG Jianhua	Song, T., Xu, F., Yuan, W., Chen, M., Hu, Q., Tian, Y., Zhang, J.*, Xu, W.* (2019). Combining alternate wetting and drying irrigation with reduced phosphorus fertilizer application reduces water use and promotes phosphorus use efficiency without yield loss in rice plants. <i>Agricultural Water Management</i> 223: 105686. DOI: https://doi.org/10.1016/j.agwat.2019.105686 .	3.542	9/89 12/91	Agronomy Water Resources
85.	✓	ZHANG Jianhua	Wang, G., Li, H., Wang, K., Yang, J., Duan, M., Zhang, J.* and Ye, N.* (2020). Regulation of gene expression involved in the remobilization of rice straw carbon reserves results from moderate soil drying during grain filling. <i>The Plant journal</i> 101(3): 604-618. DOI: 10.1111/tbj.14565 (First published online 17 Oct 2019).	5.726	11/228	Plant Sciences

	With SKI affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
86.	✓	ZHANG Jianhua	Wang, G.Q., Li, H.X., Feng, L., Chen, M.X., Meng, S., Ye, N.H.* and Zhang, J.* (2019). Transcriptomic analysis of grain filling in rice inferior grains under moderate soil drying. <i>Journal of experimental botany</i> 70(5): 1597-1611. DOI: 10.1093/jxb/erz010.	5.360	14/228	Plant Sciences
87.		ZHANG Jianhua	Xiong, Y., Gan, L., Hu, Y., Sun, W., Zhou, X., Song, Z., Zhang, X., Li, Y., Yang, Z., Xu, W., Zhang, J., He, Y. and Cai, D. (2019). OsMND1 regulates early meiosis and improves the seed set rate in polyploid rice. <i>Plant Growth Regulation</i> 87: 341-356. DOI: https://doi.org/10.1007/s10725-019-00476-4 .	2.473	67/228	Plant Sciences
88.	✓	ZHANG Jianhua	Yang, J.F., Chen, M.X., Zhang, J.H., Hao, G.F. and Yang, G.F. (2019). Genome-wide Phylogenetic and Structural Analysis reveals the Molecular Evolutionary Mechanisms of ABA Receptor Gene Family. <i>Journal of experimental botany</i> . DOI: 10.1093/jxb/erz511.	5.360	14/228	Plant Sciences
89.	✓	ZHANG Jianhua	Zhang, D., Yang, J.F., Gao, B., Liu, T.Y., Hao, G.F., Yang, G.F., Fu, L.J., Chen, M.X. and Zhang, J. (2019). Identification, evolution and alternative splicing profile analysis of the splicing factor 30 (SPF30) in plant species. <i>Planta</i> 249(6): 1997-2014. DOI: 10.1007/s00425-019-03146-x.	3.060	45/228	Plant Sciences
90.		ZHANG Jianhua	Zhang, W., Sheng, J., Xu, Y., Xiong, F., Wu, Y., Wang, W., Wang, Z., Yang, J. and Zhang, J. (2019). Role of brassinosteroids in rice spikelet differentiation and degeneration under soil-drying during panicle development. <i>BMC Plant Biology</i> 19: 409. DOI: https://doi.org/10.1186/s12870-019-2025-2 .	3.670	30/228	Plant Sciences
91.		ZHANG Jianhua	Zhang, W., Zhu, K., Wang, Z., Zhang, H., Gu, J., Liu, L., Yang, J. and Zhang, J. (2019). Brassinosteroids function in spikelet differentiation and degeneration in rice. <i>Journal of Integrative Plant Biology</i> 61(8): 943-963. DOI: 10.1111/jipb.12722.	3.824	94/299 26/228	Biochemistry & Molecular Biology Plant Sciences
92.	✓	ZHANG Jianhua	Zhang, Y., Wang, X., Xu, F., Song, T., Du, H., Gui, Y., Xu, M., Cao, Y., Dang, X., Rensing, C., Zhang, J. and Xu, W.* (2019). Combining Irrigation Scheme and Phosphorous Application Levels for Grain Yield and Their Impacts on Rhizosphere Microbial Communities of Two Rice Varieties in a Field Trial. <i>Journal of agricultural and food chemistry</i> 67(38): 10577-10586. DOI: 10.1021/acs.jafc.9b03124.	3.571	3/57 14/71 28/135	Agriculture, Multidisciplinary Chemistry, Applied Food Science & Technology
93.	✓	ZHONG Silin	Dong, P., Tu, X., Li, H., Zhang, J., Grierson, D., Li, P.* and Zhong, S.* (2019). Tissue-specific Hi-C analyses of rice, foxtail millet and maize suggest non-canonical function of plant chromatin domains. <i>Journal of Integrative Plant Biology</i> 62: 201-217.	3.824	94/299 26/228	Biochemistry & Molecular Biology Plant Sciences

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
94.	✓	ZHONG Silin	Gao, Y., Zhu, N., Zhu, X., Wu, M., Jiang, C.Z., Grierson, D., Luo, Y., Shen, W., Zhong, S.* and Qu, G.* (2019). Diversity and redundancy of the ripening regulatory networks revealed by the fruitENCODE and the new CRISPR/Cas9 CNR and NOR mutants. <i>Horticulture research</i> 6: 39. DOI: 10.1038/s41438-019-0122-x.	3.640	32/228	Plant Sciences
95.	✓	ZHUANG Xiaohong JIANG Liwen	Huang, S., Jiang, L. and Zhuang, X.* (2019). Possible Roles of Membrane Trafficking Components for Lipid Droplet Dynamics in Higher Plants and Green Algae. <i>Frontiers in plant science</i> 10: 207. DOI: 10.3389/fpls.2019.00207.	4.106	20/228	Plant Sciences
96.	✓	ZHUANG Xiaohong JIANG Liwen	Zhuang, X.* and Jiang, L. (2019). Chloroplast Degradation: Multiple Routes Into the Vacuole. <i>Frontiers in plant science</i> 10: 359. DOI: 10.3389/fpls.2019.00359.	4.106	20/228	Plant Sciences
97.	✓	ZHUANG Xiaohong JIANG Liwen	Cui, Y.*, Zhuang, X.*, Shen, J.*, Gao, C.* and Jiang, L.* (2019). Organelle Biogenesis and Function in Plants. <i>Science China Life Sciences</i> 12: 1679-1694.	3.583	15/87	Biology

(b) Book Chapter or books

#With SKL affiliation	Professor	Book Chapter or books

1.	✓	JIANG Liwen	Zhao, Q., Zhu, Y., Cao, W., Shen, J., Cui, Y., Huang, S. and Jiang, L.* (2019) Genetic Suppressor Screen Using an Inducible FREE1-RNAi Line to Detect ESCRT Genetic Interactors in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> 1998:273-289.
2.	✓	CHAN Ting Fung LAM Hon-Ming	Lin, X., Ni, M., Xiao, Z., Chan, T.F.*, Lam, H.M.*. (2019). Reference-based identification of long noncoding RNAs in plants with strand-specific RNA-sequencing data. In: Chekanova J., Wang HL. (eds.) <i>Plant Long Non-Coding RNAs. Methods in Molecular Biology</i> , 1933:245-255. Humana Press, New York, NY.
3.	✓	ZHANG Jianhua	杨建昌, 张建华。水稻高产节水灌溉, 科学出版社(2019) 北京, ISBN 978-7-03-061586-2.