

## Publications in 2021

The IF of journal is based on ISI Web of Knowledge Journal Citation Report® 2020.

### (a) Journal

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
1.	Yes	CHAN Ting Fung	Dumetz, F., Chow, E.Y., Harris, L.M., Liew, S.W., Jensen, A., Umar, M.I., Chung, B., Chan, T.F.*, Merrick, C.J.* and Kwok, C.K.* (2021). G-quadruplex RNA motifs influence gene expression in the malaria parasite <i>Plasmodium falciparum</i> . <i>Nucleic Acids Research</i> 49(21): 12486-12501.DOI: 10.1093/nar/gkab1095.	16.971	8/295	BIOCHEMISTRY & MOLECULAR BIOLOGY
2.	Yes	CHAN Ting Fung	Lyu, K., Chow, E.Y., Mou, X., Chan, T.F.* and Kwok, C.K.* (2021). RNA G-quadruplexes (rG4s): genomics and biological functions. <i>Nucleic Acids Research</i> 49(10): 5426-5450.DOI: 10.1093/nar/gkab187.	16.971	8/295	BIOCHEMISTRY & MOLECULAR BIOLOGY
3.	Yes	CHAN Ting Fung	Yang, L., Webb, S.E., Jin, N., Lee, H.M., Chan, T.F., Xu, G., Chan, J.C., Miller, A.L.* and Ma, R.C.* (2021). Investigating the role of dachshund b in the development of the pancreatic islet in zebrafish. <i>Journal of Diabetes Investigation</i> 12(5): 710-727.DOI: 10.1111/jdi.13503.	4.232	64/146	ENDOCRINOLOGY & METABOLISM
4.	Yes	CHAN Ting Fung	Yik, M.H., Lo, Y.T., Lin, X., Sun, W., Chan, T.F. and Shaw, P.C.* (2021). Authentication of Hedyotis products by adaptor ligation-mediated PCR and metabarcoding. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 196: 113920.DOI: 10.1016/j.jpba.2021.113920.	3.935	24/87 113/276	CHEMISTRY, ANALYTICAL PHARMACOLOGY & PHARMACY
5.	Yes	CHAN Ting Fung	Yuan, Y., Scheben, A., Edwards, D. and Chan, T.F.* (2021). Toward haplotype studies in polyploid plants to assist breeding. <i>Molecular Plant</i> 14(12): 1969-1972.DOI: 10.1016/j.molp.2021.11.004.	13.164	18/295 4/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
6.	Yes	CHAN Ting Fung NGO Chi Ki, Jacky KWAN Kin Ming	Peng, S., Guo, P., Lin, X., An, Y., Sze, K.H., Lau, M.H.Y., Chen, Z.S., Wang, Q., Li, W., Sun, J.K., Ma, S.Y., Chan, T.F., Lau, K.F., Ngo, J.C.K., Kwan, K.M., Wong, C.H., Lam, S.L., Zimmerman, S.C., Tuccinardi, T., Zuo, Z., Au-Yeung, H.Y., Chow, H.M. and Chan, H.Y.E.* (2021). CAG RNAs induce DNA damage and apoptosis by silencing NUDT16 expression in polyglutamine degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(19).DOI: 10.1073/pnas.2022940118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
7.	Yes (funding acknowledgement)	CHYE Mee Len	Fadhli Hamdan, M., Lung, S.-C., Guo, Z.-H. and Chye, M.-L.* (2021). Roles of acyl-CoA-binding proteins in plant reproduction. <i>Journal of Experimental Botany</i> .DOI: 10.1093/jxb/erab499.	6.992	13/235	PLANT SCIENCES
8.	Yes	CHYE Mee Len	Guo, Z.-H., Pogancev, G., Meng, W., Du, Z.-Y., Liao, P., Zhang, R. and Chye, M.-L.* (2021). The overexpression of rice ACYL-COA-BINDING PROTEIN4 improves salinity tolerance in transgenic rice. <i>Environmental and Experimental Botany</i> 183: 104349.DOI: <a href="https://doi.org/10.1016/j.envexpbot.2020.104349">https://doi.org/10.1016/j.envexpbot.2020.104349</a> .	5.545	58/274 20/235	ENVIRONMENTAL SCIENCES PLANT SCIENCES
9.	Yes (funding acknowledgement)	CHYE Mee Len	Lai, S.-H. and Chye, M.-L.* (2021). Plant Acyl-CoA-Binding Proteins—Their Lipid and Protein Interactors in Abiotic and Biotic Stresses. <i>Cells</i> 10(5): 1064, <a href="https://www.mdpi.com/2073-4409/10/5/1064">https://www.mdpi.com/2073-4409/10/5/1064</a> .	6.6	53/195	CELL BIOLOGY
10.	Yes	CHYE Mee Len	Liao, P., Lung, S.C., Chan, W.L., Hu, M., Kong, G.K., Bach, T.J., Hao, Q., Lo, C. and Chye, M.L.* (2021). Overexpression and Inhibition of 3-Hydroxy-3-Methylglutaryl-CoA Synthase Affect Central Metabolic Pathways in Tobacco. <i>Plant and Cell Physiology</i> 62(1): 205-218.DOI: 10.1093/pcp/pcaa154.	4.5	28/235	PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
11.	Yes	CHYE Mee Len LAM Hon-Ming	Azlan, N.S., Guo, Z.H., Yung, W.S., Wang, Z., Lam, H.M., Lung, S.C.* and Chye, M.L.* (2021). In silico Analysis of Acyl-CoA-Binding Protein Expression in Soybean. <i>Frontiers in Plant Science</i> 12: 646938.DOI: 10.3389/fpls.2021.646938.	5.754	17/235	PLANT SCIENCES
12.	Yes	CHYE Mee Len LAM Hon-Ming	Liu, A., Xiao, Z., Wang, Z., Lam, H.M.* and Chye, M.L.* (2021). Galactolipid and Phospholipid Profile and Proteome Alterations in Soybean Leaves at the Onset of Salt Stress. <i>Frontiers in Plant Science</i> 12: 644408.DOI: 10.3389/fpls.2021.644408.	5.754	17/235	PLANT SCIENCES
13.	Yes	CHYE Mee Len LAM Hon-Ming	Lung, S.C.*, Lai, S.H., Wang, H., Zhang, X., Liu, A., Guo, Z.H., Lam, H.M. and Chye, M.L.* (2021). Oxylin signaling in salt-stressed soybean is modulated by ligand-dependent interaction of Class II acyl-CoA-binding proteins with lipoxygenase. <i>The Plant Cell</i> .DOI: 10.1093/plcell/koab306.	11.277	25/295 24/195 6/235	BIOCHEMISTRY & MOLECULAR BIOLOGY CELL BIOLOGY PLANT SCIENCES
14.	Yes	GUO Dianjing	Zhou, L., Huang, Y., Wang, Q. and Guo, D.* (2021). AaHY5 ChIP-seq based on transient expression system reveals the role of AaWRKY14 in artemisinin biosynthetic gene regulation. <i>Plant Physiology and Biochemistry</i> 168: 321-328.DOI: 10.1016/j.plaphy.2021.10.010.	4.27	33/235	PLANT SCIENCES
15.	Yes	GUO Dianjing	Zhou, L.M., Huang, Y.Z., Wang, Q. and Guo, D.J.* (2021). Chromatin Accessibility Is Associated with Artemisinin Biosynthesis Regulation in <i>Artemisia annua</i> . <i>Molecules</i> 26(4).DOI: ARTN 1194	4.412	115/295 63/178	BIOCHEMISTRY & MOLECULAR BIOLOGY CHEMISTRY, MULTIDISCIPLINARY
16.	Yes	HUI Ho Lam, Jerome	Bideau, L., Kerner, P., Hui, J., Vervoort, M.* and Gazave, E.* (2021). Animal regeneration in the era of transcriptomics. <i>Cellular and Molecular Life Sciences</i> 78(8): 3941-3956.DOI: 10.1007/s00018-021-03760-7.	9.261	30/295 35/195	BIOCHEMISTRY & MOLECULAR BIOLOGY CELL BIOLOGY
17.	Yes	HUI Ho Lam, Jerome	Lin, Z.Y., Xie, Y.C., Nong, W.Y., Ren, X.L., Li, R.S., Zhao, Z.Y., Hui, J.H.L. and Yuen, K.W.Y.* (2021). Formation of artificial chromosomes in <i>Caenorhabditis elegans</i> and analyses of their segregation in mitosis, DNA sequence composition and holocentromere organization. <i>Nucleic Acids Research</i> 49(16): 9174-9193.DOI: 10.1093/nar/gkab690.	16.971	8/295	BIOCHEMISTRY & MOLECULAR BIOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
18.	Yes	HUI Ho Lam, Jerome	Ozpolat, B.D.*, Randel, N.*, Williams, E.A.*, Bezares-Calderon, L.A.*, Andreatta, G., Balavoine, G., Bertucci, P.Y., Ferrier, D.E.K., Gambi, M.C., Gazave, E., Handberg-Thorsager, M., Hardege, J., Hird, C., Hsieh, Y.W., Hui, J., Mutemi, K.N., Schneider, S.Q., Simakov, O., Vergara, H.M., Vervoort, M., Jekely, G.*, Tessmar-Raible, K.*, Raible, F.* and Arendt, D.* (2021). The Nereid on the rise: Platynereis as a model system. <i>Evodevo</i> 12(1).DOI: ARTN 10.1186/s13227-021-00180-3.	2.25	29/41 37/50	DEVELOPMENTAL BIOLOGY EVOLUTIONARY BIOLOGY
19.	No	HUI Ho Lam, Jerome	Zhong, Z., Nong, W., Xie, Y., Hui, J.H.L. and Chu, L.M.* (2022). Long-term effect of plastic feeding on growth and transcriptomic response of mealworms ( <i>Tenebrio molitor</i> L.). <i>Chemosphere</i> 287(Pt 1): 132063.DOI: 10.1016/j.chemosphere.2021.132063.	7.086	30/274	ENVIRONMENTAL SCIENCES
20.	No	HUI Ho Lam, Jerome LAM Hon-Ming	Fung, E.H.C.*, Wong, H., Chiu, S.W., Hui, J.H.L., Lam, H.M., Chung, R.Y., Wong, S.Y. and Chan, S.M. (2021). Risk factors associated with bedbug ( <i>Cimex</i> spp.) infestations among Hong Kong households: a cross-sectional study (Sept, 10.1007/s10901-021-09894-1, 2021). <i>Journal of Housing and the Built Environment</i> .DOI: 10.1007/s10901-021-09905-1.	2.414	91/125 33/40 29/43	ENVIRONMENTAL STUDIES REGIONAL & URBAN PLANNING URBAN STUDIES
21.	No	HUI Ho Lam, Jerome CHAN Ting Fung	Veldsman, W.P.*, Ma, K.Y., Hui, J.H.L., Chan, T.F., Baeza, J.A., Qin, J. and Chu, K.H.* (2021). Comparative genomics of the coconut crab and other decapod crustaceans: exploring the molecular basis of terrestrial adaptation. <i>BMC Genomics</i> 22(1): 313.DOI: 10.1186/s12864-021-07636-9.	3.969	58/159 71/176	BIOTECHNOLOGY & APPLIED MICROBIOLOGY GENETICS & HEREDITY
22.	Yes	HUI Ho Lam, Jerome CHAN Ting Fung NAGI Sai Ming	Nong, W., Qu, Z., Li, Y., Barton-Owen, T., Wong, A.Y.P., Yip, H.Y., Lee, H.T., Narayana, S., Baril, T., Swale, T., Cao, J., Chan, T.F., Kwan, H.S., Ngai, S.M., Panagiotou, G., Qian, P.Y., Qiu, J.W., Yip, K.Y., Ismail, N., Pati, S., John, A., Tobe, S.S., Bendena, W.G., Cheung, S.G., Hayward, A. and Hui, J.H.L.* (2021). Horseshoe crab genomes reveal the evolution of genes and microRNAs after three rounds of whole genome duplication. <i>Communications Biology</i> 4(1): 83.DOI: 10.1038/s42003-020-01637-2.	6.268	8/93	BIOLOGY

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23.	Yes	HUI Ho Lam, Jerome NGAI Sai Ming	So, W.L., Leung, T.C.N., Nong, W., Bendena, W.G., Ngai, S.M.* and Hui, J.H.L.* (2021). Transcriptomic and proteomic analyses of venom glands from scorpions <i>Liocheles australasiae</i> , <i>Mesobuthus martensii</i> , and <i>Scorpio maurus palmatus</i> . <i>Peptides</i> 146: 170643.DOI: 10.1016/j.peptides.2021.170643.	3.75	157/295 81/146 124/276	BIOCHEMISTRY & MOLECULAR BIOLOGY ENDOCRINOLOGY & METABOLISM PHARMACOLOGY & PHARMACY
24.	Yes	JIANG Liwen	Cheng, L.X.*, Zeng, Y.L., Hu, S., Zhang, N., Cheung, K.C.P., Li, B.Y., Leung, K.S. and Jiang, L.W.* (2021). Systematic prediction of autophagy-related proteins using Arabidopsis thaliana interactome data. <i>The Plant Journal</i> 105(3): 708-720.DOI: 10.1111/tpj.15065.	6.486	15/235	PLANT SCIENCES
25.	Yes	JIANG Liwen	Hong, L., Niu, F.F.*, Lin, Y.S., Wang, S., Chen, L.Y.* and Jiang, L.W. (2021). MYB106 is a negative regulator and a substrate for CRL3(BPM) E3 ligase in regulating flowering time in Arabidopsis thaliana. <i>Journal of Integrative Plant Biology</i> 63(6): 1104-1119.DOI: 10.1111/jipb.13071.	7.061	50/295 12/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES
26.	Yes	JIANG Liwen	Hong, L., Niu, F.F.*, Lin, Y.S., Wang, S., Chen, L.Y.* and Jiang, L.W. (2021). MYB117 is a negative regulator of flowering time in Arabidopsis. <i>Plant Signaling &amp; Behavior</i> 16(5).DOI: Artn 1901448 10.1080/15592324.2021.1901448.	2.247	239/295 108/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES
27.	Yes	JIANG Liwen	Huang, Y., Yin, H.D., Li, B.Y., Wu, Q., Liu, Y., Poljak, K., Maldutyte, J., Tang, X., Wang, M., Wu, Z.X., Miller, E.A., Jiang, L.W., Yao, Z.P.* and Guo, Y.S.* (2021). An in vitro vesicle formation assay reveals cargo clients and factors that mediate vesicular trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(35).DOI: ARTN e2101287118 10.1073/pnas.2101287118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
28.	Yes	JIANG Liwen	Lin, Y.*, Zeng, Y., Zhu, Y., Shen, J., Ye, H. and Jiang, L.* (2021). Plant Rho GTPase signaling promotes autophagy. <i>Molecular Plant</i> 14(6): 905-920.DOI: 10.1016/j.molp.2021.03.021.	13.164	18/295 4/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES
29.	Yes	JIANG Liwen	Lin, Y.S., Guo, R.F., Ji, C.Y.*, Zhou, J.* and Jiang, L.W.* (2021). New insights into AtNBR1 as a selective autophagy cargo receptor in Arabidopsis. <i>Plant Signaling &amp; Behavior</i> 16(1).DOI: Artn 1839226 10.1080/15592324.2020.1839226.	2.247	239/295 108/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES

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30.	Yes	JIANG Liwen	Liu, C., Zeng, Y., Li, H., Yang, C., Shen, W., Xu, M., Xiao, Z., Chen, T., Li, B., Cao, W., Jiang, L., Otegui, M.S. and Gao, C.* (2021). A plant-unique ESCRT component, FYVE4, regulates multivesicular endosome biogenesis and plant growth. <i>New Phytologist</i> 231(1): 193-209.DOI: 10.1111/nph.17358.	10.152	7/235	PLANT SCIENCES
31.	Yes	JIANG Liwen	Liu, S.W., Mok, B.W.Y., Deng, S.F., Liu, H.L., Wang, P., Song, W.J., Chen, P., Huang, X.F., Zheng, M., Lau, S.Y., Cremin, C.J., Tam, C.Y., Li, B.Y., Jiang, L.W., Chen, Y.X., Yuen, K.Y. and Chen, H.L.* (2021). Mammalian cells use the autophagy process to restrict avian influenza virus replication. <i>Cell Reports</i> 35(10).DOI: ARTN 109213 10.1016/j.celrep.2021.109213.	9.423	33/195	CELL BIOLOGY
32.	Yes	JIANG Liwen	Liu, Z., Gao, J., Cui, Y., Klumpe, S., Xiang, Y., Erdmann, P.S.* and Jiang, L.* (2021). Membrane imaging in the plant endomembrane system. <i>Plant Physiology</i> 185(3): 562-576.DOI: 10.1093/plphys/kiab040.	8.34	9/235	PLANT SCIENCES
33.	Yes	JIANG Liwen	Wang, X., Balamurugan, S., Liu, S.F., Ji, C.Y., Liu, Y.H., Yang, W.D., Jiang, L. and Li, H.Y.* (2021). Hydrolysis of organophosphorus by diatom purple acid phosphatase and sequential regulation of cell metabolism. <i>Journal of Experimental Botany</i> 72(8): 2918-2932.DOI: 10.1093/jxb/erab026.	6.992	13/235	PLANT SCIENCES
34.	Yes	JIANG Liwen	Yang, L.*, Gao, C. and Jiang, L.* (2022). Leucine-rich repeat receptor-like protein kinase AtORPK1 promotes oxidative stress resistance in an AtORPK1-AtKAPP mediated module in Arabidopsis. <i>Plant Science</i> 315: 111147.DOI: 10.1016/j.plantsci.2021.111147.	4.729	102/295 26/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES
35.	Yes	JIANG Liwen	Yu, H., Xie, M., Meng, Z., Lo, C.Y., Chan, F.L., Jiang, L., Meng, X.* and Yao, X.* (2021). Endolysosomal ion channel MCOLN2 (Mucolipin-2) promotes prostate cancer progression via IL-1beta/NF-kappaB pathway. <i>British Journal of Cancer</i> 125(10): 1420-1431.DOI: 10.1038/s41416-021-01537-0.	7.64	39/242	ONCOLOGY
36.	Yes	JIANG Liwen	Zeng, Y.* and Jiang, L.* (2021). A unique COPII population in plant autophagy. <i>Autophagy</i> 17(7): 1785-1787.DOI: 10.1080/15548627.2021.1933298.	16.016	14/195	CELL BIOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
37.	Yes	JIANG Liwen LAU Chung Yu, Wilson	Li, B., Zeng, Y., Cao, W., Zhang, W., Cheng, L., Yin, H., Wu, Q., Wang, X., Huang, Y., Lau, W.C.Y., Yao, Z.P., Guo, Y.* and Jiang, L.* (2021). A distinct giant coat protein complex II vesicle population in <i>Arabidopsis thaliana</i> . <i>Nature Plants</i> 7(10): 1335-1346.DOI: 10.1038/s41477-021-00997-9.	15.793	3/235	PLANT SCIENCES
38.	Yes	JIANG Liwen WONG Kam Bo	Zeng, Y.*, Li, B., Ji, C., Feng, L., Niu, F., Deng, C., Chen, S., Lin, Y., Cheung, K.C.P., Shen, J., Wong, K.B. and *Jiang, L.* (2021). A unique AtSar1D-AtRabD2a nexus modulates autophagosome biogenesis in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(17).DOI: 10.1073/pnas.2021293118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
39.	Yes	KANG Byung-Ho	Lee, E.J., Kim, K.Y., Zhang, J., Yamaoka, Y., Gao, P., Kim, H., Hwang, J.U., Suh, M.C.*, Kang, B.* and Lee, Y.* (2021). <i>Arabidopsis</i> seedling establishment under waterlogging requires ABCG5-mediated formation of a dense cuticle layer. <i>New Phytologist</i> 229(1): 156-172.DOI: 10.1111/nph.16816.	10.152	7/235	PLANT SCIENCES
40.	Yes	KANG Byung-Ho	Li, C., Liu, Y., Liu, X., Mai, K.K.K., Li, J., Guo, X., Zhang, C., Li, H., Kang, B.H., Hwang, I. and Lu, H.* (2021). Chloroplast thylakoid ascorbate peroxidase PtotAPX plays a key role in chloroplast development by decreasing hydrogen peroxide in <i>Populus tomentosa</i> . <i>Journal of Experimental Botany</i> 72(12): 4333-4354.DOI: 10.1093/jxb/erab173.	6.992	13/235	PLANT SCIENCES
41.	Yes	KANG Byung-Ho	Li-Beisson, Y.*, Kong, F., Wang, P., Lee, Y. and Kang, B.H. (2021). The disassembly of lipid droplets in <i>Chlamydomonas</i> . <i>New Phytologist</i> 231(4): 1359-1364.DOI: 10.1111/nph.17505.	10.152	7/235	PLANT SCIENCES
42.	Yes	KANG Byung-Ho JIANG Liwen	Ma, J., Liang, Z., Zhao, J., Wang, P., Ma, W., Mai, K.K., Fernandez Andrade, J.A., Zeng, Y., Grujic, N., Jiang, L., Dagdas, Y.* and Kang, B.H.* (2021). Friendly mediates membrane depolarization-induced mitophagy in <i>Arabidopsis</i> . <i>Current Biology</i> 31(9): 1931-1944 e1934.DOI: 10.1016/j.cub.2021.02.034.	10.834	26/295 3/93 27/195	BIOCHEMISTRY & MOLECULAR BIOLOGY BIOLOGY CELL BIOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
43.	No	KWAN Kin Ming	Chow, H.M.* , Sun, J.K., Hart, R.P., Cheng, K.K., Hung, C.H.L., Lau, T.M. and Kwan, K.M. (2021). Low-Density Lipoprotein Receptor-Related Protein 6 Cell Surface Availability Regulates Fuel Metabolism in Astrocytes. <i>Advanced Science (Weinh)</i> 8(16): e2004993.DOI: 10.1002/advs.202004993.	16.806	13/178 18/334 9/106	CHEMISTRY, MULTIDISCIPLINARY MATERIALS SCIENCE, MULTIDISCIPLINAR NANOSCIENCE & NANOTECHNOLOGY
44.	Yes	KWAN Kin Ming HUI Ho Lam, Jerome JIANG Liwen NGAI Sai Ming	Vong, K.I., Ma, T.C., Li, B.Y., Leung, T.C.N., Nong, W.Y., Ngai, S.M., Hui, J.H.L., Jiang, L.W. and Kwan, K.M.* (2021). SOX9-COL9A3-dependent regulation of choroid plexus epithelial polarity governs blood-cerebrospinal fluid barrier integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(6).DOI: ARTN e2009568118 10.1073/pnas.2009568118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
45.	Yes	LAM Hon-Ming	Bayer, P.E., Valliyodan, B., Hu, H., Marsh, J.I., Yuan, Y., Vuong, T.D., Patil, G., Song, Q., Batley, J., Varshney, R.K., Lam, H.M., Edwards, D.* and Nguyen, H.T.* (2021). Sequencing the USDA core soybean collection reveals gene loss during domestication and breeding. <i>The Plant Genome</i> : e20109.DOI: 10.1002/tpg2.20109.	4.089	67/176 42/235	GENETICS & HEREDITY PLANT SCIENCES
46.	Yes	LAM Hon-Ming	Garg, V., Dudchenko, O., Wang, J., Khan, A.W., Gupta, S., Kaur, P., Han, K., Saxena, R.K., Kale, S.M., Pham, M., Yu, J., Chitikineni, A., Zhang, Z., Fan, G., Lui, C., Valluri, V., Meng, F., Bhandari, A., Liu, X., Yang, T., Chen, H., Valliyodan, B., Roorkiwal, M., Shi, C., Yang, H.B., Durand, N.C., Pandey, M.K., Li, G., Barmukh, R., Wang, X., Chen, X., Lam, H.-M., Jiang, H., Zong, X., Liang, X., Liu, X., Liao, B., Guo, B., Jackson, S., Nguyen, H.T., Zhuang, W., Shubo, W.*, Wang, X.*, Aiden, E.L.*, Bennetzen, J.L.* and Varshney, R.K.* (2021). Chromosome-length genome assemblies of six legume species provide insights into genome organization, evolution, and agronomic traits for crop improvement. <i>Journal of Advanced Research</i> .DOI: <a href="https://doi.org/10.1016/j.jare.2021.10.009">https://doi.org/10.1016/j.jare.2021.10.009</a> .	10.479	9/72	MULTIDISCIPLINARY SCIENCES



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47.	Yes	LAM Hon-Ming	Guo, H., Li, S.* , Wong, F.L., Qin, S., Wang, Y., Yang, D. and Lam, H.M.* (2021). Drivers of carbon flux in drip irrigation maize fields in northwest China. <i>Carbon Balance and Management</i> 16(1): 12.DOI: 10.1186/s13021-021-00176-5.	3	140/274	ENVIRONMENTAL SCIENCES
48.	Yes	LAM Hon-Ming	Huang, M., Li, M.W.* and Lam, H.M.* (2021). How noncoding open chromatin regions shape soybean domestication. <i>Trends in Plant Science</i> 26(9): 876-878.DOI: 10.1016/j.tplants.2021.06.008.	18.313	2/235	PLANT SCIENCES
49.	Yes	LAM Hon-Ming	Huang, M.K., Zhang, L., Zhou, L.M., Yung, W.S., Li, M.W. and Lam, H.M.*. (2021). Genomic Features of Open Chromatin Regions (OCRs) in Wild Soybean and Their Effects on Gene Expressions. <i>Genes (Basel)</i> 12(5).DOI: 10.3390/genes12050640.	4.096	66/176	GENETICS & HEREDITY
50.	Yes	LAM Hon-Ming	Ku, Y.S., Wang, Z., Duan, S. and Lam, H.M. (2021). Rhizospheric Communication through Mobile Genetic Element Transfers for the Regulation of Microbe-Plant Interactions. <i>Biology</i> 10(6).DOI: 10.3390/biology10060477.	5.079	16/93	BIOLOGY
51.	Yes	LAM Hon-Ming	Li, K.P., Wong, C.H., Cheng, C.C., Cheng, S.S., Li, M.W., Mansveld, S., Bergsma, A., Huang, T., van Eijk, M.J.T. and Lam, H.M.* (2021). GmDNJ1, a type-I heat shock protein 40 (HSP40), is responsible for both Growth and heat tolerance in soybean. <i>Plant Direct</i> 5(1): e00298.DOI: 10.1002/pld3.298.	3.038	74/235	PLANT SCIENCES
52.	Yes	LAM Hon-Ming	Liu, S., Begum, N., An, T., Zhao, T., Xu, B., Zhang, S., Deng, X., Lam, H.M., Nguyen, H.T., Siddique, K.H.M. and Chen, Y.* (2021). Characterization of Root System Architecture Traits in Diverse Soybean Genotypes Using a Semi-Hydroponic System. <i>Plants (Basel)</i> 10(12).DOI: 10.3390/plants10122781.	3.935	47/235	PLANT SCIENCES
53.	Yes	LAM Hon-Ming	Lu, Z., Cui, J., Wang, L., Teng, N., Zhang, S., Lam, H.M., Zhu, Y., Xiao, S., Ke, W., Lin, J., Xu, C.* and Jin, B.* (2021). Genome-wide DNA mutations in Arabidopsis plants after multigenerational exposure to high temperatures. <i>Genome Biology</i> 22(1): 160.DOI: 10.1186/s13059-021-02381-4.	13.583	5/159 6/176	BIOTECHNOLOGY & APPLIED MICROBIOLOGY GENETICS & HEREDITY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
54.	Yes	LAM Hon-Ming	Moradi, A., Dai, S., Wong, E.O.Y., Zhu, G., Yu, F., Lam, H.M., Wang, Z., Burlingame, A., Lin, C., Afsharifar, A., Yu, W.* , Wang, T.* and Li, N.* (2021). Isotopically Dimethyl Labeling-Based Quantitative Proteomic Analysis of Phosphoproteomes of Soybean Cultivars. <i>Biomolecules</i> 11(8).DOI: 10.3390/biom11081218.	4.879	96/295	BIOCHEMISTRY & MOLECULAR BIOLOGY
55.	Yes	LAM Hon-Ming	Ng, M.S., Ku, Y.S.* , Yung, W.S., Cheng, S.S., Man, C.K., Yang, L., Song, S., Chung, G. and Lam, H.M.* (2021). MATE-Type Proteins Are Responsible for Isoflavone Transportation and Accumulation in Soybean Seeds. <i>International Journal of Molecular Sciences</i> 22(21).DOI: 10.3390/ijms222112017.	5.924	67/295 49/178	BIOCHEMISTRY & MOLECULAR BIOLOGY CHEMISTRY, MULTIDISCIPLINARY
56.	Yes	LAM Hon-Ming	Qi, X., Jiang, B., Wu, T., Sun, S., Wang, C., Song, W., Wu, C., Hou, W., Song, Q. and Lam, H.M.* (2021). Genomic dissection of widely planted soybean cultivars informs a new breeding strategy in post-genome era. <i>Crop Journal</i> 9: 1079-1087.	4.407	13/91 30/235	AGRONOMY PLANT SCIENCES
57.	Yes	LAM Hon-Ming	Varshney, R.K.* , Bohra, A., Roorkiwal, M., Barmukh, R., Cowling, W., Chitikineni, A., Lam, H.M., Hickey, L.T., Croser, J., Edwards, D., Farooq, M., Crossa, J., Weckwerth, W., Millar, A.H., Kumar, A., Bevan, M.W. and Siddique, K.H.M. (2021). Rapid delivery systems for future food security. <i>Nature Biotechnology</i> 39(10): 1179-1181.DOI: 10.1038/s41587-021-01079-z.	54.908	2/159	BIOTECHNOLOGY & APPLIED MICROBIOLOGY
58.	Yes	LAM Hon-Ming	Varshney, R.K.* , Bohra, A., Roorkiwal, M., Barmukh, R., Cowling, W.A., Chitikineni, A., Lam, H.M., Hickey, L.T., Croser, J.S., Bayer, P.E., Edwards, D., Crossa, J., Weckwerth, W., Millar, H., Kumar, A., Bevan, M.W. and Siddique, K.H.M. (2021). Fast-forward breeding for a food-secure world. <i>Trends in Genetics</i> 37(12): 1124-1136.DOI: 10.1016/j.tig.2021.08.002.	11.639	7/176	GENETICS & HEREDITY
59.	Yes	LAM Hon-Ming	Xiong, R., Liu, S., Considine, M.J., Siddique, K.H.M., Lam, H.M. and Chen, Y* . (2021). Root system architecture, physiological and transcriptional traits of soybean ( <i>Glycine max</i> L.) in response to water deficit: A review. <i>Physiologia Plantarum</i> 172(2): 405-418.DOI: 10.1111/ppl.13201.	4.5	28/235	PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
60.	Yes	LAM Hon-Ming	Xu, Y., Luo, H., Wang, Z., Lam, H.M. and Huang, C.* (2021). Oxford Nanopore Technology: revolutionizing genomics research in plants. <i>Trends in Plant Science</i> .DOI: 10.1016/j.tplants.2021.11.004.	18.313	2/235	PLANT SCIENCES
61.	Yes	LAM Hon-Ming	Yung, W.S., Li, M.W., Sze, C.C., Wang, Q. and Lam, H.M.* (2021). Histone modifications and chromatin remodelling in plants in response to salt stress. <i>Physiol Plant</i> 173(4): 1495-1513.Doi: 10.1111/pp1.13467.	4.5	28/235	PLANT SCIENCES
62.	Yes	LAM Hon-Ming	Yung, W.S., Wang, Q., Huang, M., Wong, F.L., Liu, A., Ng, M.S., Li, K.P., Sze, C.C., Li, M.W. and Lam, H.M.* (2021). Priming-induced alterations in histone modifications modulate transcriptional responses in soybean under salt stress. <i>The Plant Journal</i> .DOI: 10.1111/tpj.15652.	6.486	15/235	PLANT SCIENCES
63.	Yes	LAM Hon-Ming CHAN Ting Fung	Fan, K.J., Wong-Bajracharya, J., Lin, X., Ni, M., Ku, Y.S., Li, M.W., Tian, C.F., Chan, T.F. and Lam, H.M.* (2021). Differentially expressed microRNAs that target functional genes in mature soybean nodules. <i>Plant Genome</i> 14(2).DOI: ARTN e20103 10.1002/tpg2.20103.	4.089	67/176 42/235	GENETICS & HEREDITY PLANT SCIENCES
64.	Yes	LAM Hon-Ming CHAN Ting Fung	Wang, X., Li, M.W.*, Wong, F.L., Luk, C.Y., Chung, C.Y., Yung, W.S., Wang, Z., Xie, M., Song, S., Chung, G., Chan, T.F. and Lam, H.M.* (2021). Increased copy number of gibberellin 2-oxidase 8 genes reduced trailing growth and shoot length during soybean domestication. <i>The Plant Journal</i> 107(6): 1739-1755.Doi: 10.1111/tpj.15414.	6.486	15/235	PLANT SCIENCES
65.	Yes	LAM Hon-Ming XIA Yiji	Wang, Q., Bao, X., Chen, S., Zhong, H., Liu, Y., Zhang, L., Xia, Y., Kragler, F., Luo, M.*, Li, X.D.*, Lam, H.M.* and Zhang, S.* (2021). AtHDA6 functions as an H3K18ac eraser to maintain pericentromeric CHG methylation in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> 49(17): 9755-9767.Doi: 10.1093/nar/gkab706.	16.971	8/295	BIOCHEMISTRY & MOLECULAR BIOLOGY
66.	Yes	LAM Hon-Ming XIA Yiji	Wang, Q., Bao, X., Chen, S., Zhong, H., Liu, Y., Zhang, L., Xia, Y., Kragler, F., Luo, M.*, Li, X.D.*, Lam, H.M.* and Zhang, S.* (2021). AtHDA6 functions as an H3K18ac eraser to maintain pericentromeric CHG methylation in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> 49(17): 9755-9767.Doi: 10.1093/nar/gkab706.	16.971	8/295	BIOCHEMISTRY & MOLECULAR BIOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
67.	Yes	LAM Hon-Ming ZHANG Jianhua	Das, D., Paries, M., Hobecker, K., Gigl, M., Dawid, C., Lam, H.-M., Zhang, J.*, Chen, M.* and Gutjahr, C.* (2022). PHOSPHATE STARVATION RESPONSE transcription factors enable arbuscular mycorrhiza symbiosis. <i>Nature Communications</i> 13(1): 477.DOI: 10.1038/s41467-022-27976-8.	14.919	4/72	MULTIDISCIPLINARY SCIENCES
68.	Yes	LAM Hon-Ming ZHANG Jianhua	Das, D., Paries, M., Hobecker, K., Gigl, M., Dawid, C., Lam, H.-M., Zhang, J.*, Chen, M.* and Gutjahr, C.* (2022). PHOSPHATE STARVATION RESPONSE transcription factors enable arbuscular mycorrhiza symbiosis. <i>Nature Communications</i> 13(1): 477.DOI: 10.1038/s41467-022-27976-8.	14.919	4/72	MULTIDISCIPLINARY SCIENCES
69.	Yes	LAU Chung Yu, Wilson JIANG Liwen	Yu, C., Leung, S.K.P., Zhang, W., Lai, L.T.F., Chan, Y.K., Wong, M.C., Benlekbir, S., Cui, Y., Jiang, L. and Lau, W.C.Y.* (2021). Structural basis of substrate recognition and thermal protection by a small heat shock protein. <i>Nature Communications</i> 12(1): 3007.DOI: 10.1038/s41467-021-23338-y.	14.919	4/72	MULTIDISCIPLINARY SCIENCES
70.	No	LIM Boon-Leong	Autran, D., Bassel, G.W., Chae, E., Ezer, D., Ferjani, A., Fleck, C., Hamant, O.*, Hartmann, F.P., Jiao, Y., Johnston, I.G., Kwiatkowska, D., Lim, B.L., Mahönen, A.P.*, Morris, R.J., Mulder, B.M., Nakayama, N., Sozzani, R., Strader, L.C., ten Tusscher, K., Ueda, M. and Wolf, S. (2021). What is quantitative plant biology? <i>Quantitative Plant Biology</i> 2: e10.DOI: 10.1017/qpb.2021.8.	N/A	N/A	N/A
71.	Yes	LIM Boon-Leong	Zhang, R., Guan, X., Yang, M., Law, Y.S., Voon, C.P., Yan, J., Sun, F. and Lim, B.L. (2021). Overlapping Functions of the Paralogous Proteins AtPAP2 and AtPAP9 in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> 22(14).DOI: 10.3390/ijms22147243.	5.924	67/295 49/178	BIOCHEMISTRY & MOLECULAR BIOLOGY CHEMISTRY, MULTIDISCIPLINARY
72.	Yes	LIM Boon-Leong JIANG Liwen	Voon, C.P., Law, Y.-S., Guan, X., Lim, S.-L., Xu, Z., Chu, W.-T., Zhang, R., Sun, F., Labs, M., Leister, D., Pribil, M., Hronková, M., Kubásek, J., Cui, Y., Jiang, L., Tsuyama, M., Gardeström, P., Tikkanen, M. and Lim, B.L.* (2021). Modulating the activities of chloroplasts and mitochondria promotes adenosine triphosphate production and plant growth. <i>Quantitative Plant Biology</i> 2: e7.DOI: 10.1017/qpb.2021.7.	N/A	N/A	N/A

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
73.	Yes	LIM Boon-Leong NGAI Sai Ming	Xu, Z., Zhang, R., Yang, M., Law, Y.S., Sun, F., Hon, N.L., Ngai, S.M. and Lim, B.L.* (2021). A Balance between the Activities of Chloroplasts and Mitochondria Is Crucial for Optimal Plant Growth. <i>Antioxidants (Basel)</i> 10(6).DOI: 10.3390/antiox10060935.	6.313	60/295 6/62 11/143	BIOCHEMISTRY & MOLECULAR BIOLOGY CHEMISTRY, MEDICINAL FOOD SCIENCE & TECHNOLOGY
74.	Yes	LUO Haiwei	Chen, Z., Wang, X., Song, Y., Zeng, Q., Zhang, Y.* and Luo, H.* (2022). Prochlorococcus have low global mutation rate and small effective population size. <i>Nature Ecology &amp; Evolution</i> 6(2): 183-194.DOI: 10.1038/s41559-021-01591-0. (Epub 2021 Dec 23)	15.46	2/166 4/50	ECOLOGY EVOLUTIONARY BIOLOGY
75.	Yes	LUO Haiwei	Chu, X., Li, S., Wang, S., Luo, D. and Luo, H.* (2021). Gene loss through pseudogenization contributes to the ecological diversification of a generalist <i>Roseobacter</i> lineage. <i>The ISME Journal</i> 15(2): 489-502.DOI: 10.1038/s41396-020-00790-0.	10.302	7/166 10/136	ECOLOGY MICROBIOLOGY
76.	Yes	LUO Haiwei	Feng, X., Chu, X., Qian, Y., Henson, M.W., Lanclos, V.C., Qin, F., Barnes, S., Zhao, Y., Thrash, J.C. and Luo, H.* (2021). Mechanisms driving genome reduction of a novel <i>Roseobacter</i> lineage. <i>The ISME Journal</i> 15(12): 3576-3586.DOI: 10.1038/s41396-021-01036-3.	10.302	7/166 10/136	ECOLOGY MICROBIOLOGY
77.	Yes	LUO Haiwei	Gu, J., Wang, X., Ma, X., Sun, Y., Xiao, X.* and Luo, H.* (2021). Unexpectedly high mutation rate of a deep-sea hyperthermophilic anaerobic archaeon. <i>The ISME Journal</i> 15(6): 1862-1869.DOI: 10.1038/s41396-020-00888-5.	10.302	7/166 10/136	ECOLOGY MICROBIOLOGY
78.	No	LUO Haiwei	Jian, H., Xu, G., Yi, Y., Hao, Y., Wang, Y., Xiong, L., Wang, S., Liu, S., Meng, C., Wang, J., Zhang, Y., Chen, C., Feng, X., Luo, H., Zhang, H., Zhang, X., Wang, L., Wang, Z., Deng, Z. and Xiao, X.* (2021). The origin and impeded dissemination of the DNA phosphorothioation system in prokaryotes. <i>Nature Communications</i> 12(1): 6382.DOI: 10.1038/s41467-021-26636-7.	14.919	4/72	MULTIDISCIPLINARY SCIENCES
79.	Yes	LUO Haiwei	Luo, D., Wang, X., Feng, X., Tian, M., Wang, S., Tang, S.L., Ang, P., Jr., Yan, A. and Luo, H.* (2021). Population differentiation of <i>Rhodobacteraceae</i> along with coral compartments. <i>The ISME Journal</i> 15(11): 3286-3302.DOI: 10.1038/s41396-021-01009-6.	10.302	7/166 10/136	ECOLOGY MICROBIOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
80.	Yes	LUO Haiwei	Tao, J., Wang, S., Liao, T. and Luo, H.* (2021). Evolutionary origin and ecological implication of a unique nif island in free-living Bradyrhizobium lineages. <i>The ISME Journal</i> 15(11): 3195-3206.DOI: 10.1038/s41396-021-01002-z.	10.302	7/166 10/136	ECOLOGY MICROBIOLOGY
81.	Yes	LUO Haiwei	Wang, S. and Luo, H.* (2021). Dating Alphaproteobacteria evolution with eukaryotic fossils. <i>Nature Communications</i> 12(1): 3324.DOI: 10.1038/s41467-021-23645-4.	14.919	4/72	MULTIDISCIPLINARY SCIENCES
82.	Yes	LUO Haiwei	Xie, B.B., Rong, J.C., Tang, B.L., Wang, S., Liu, G., Qin, Q.L., Zhang, X.Y., Zhang, W., She, Q., Chen, Y., Li, F., Li, S., Chen, X.L., Luo, H.* and Zhang, Y.Z.* (2021). Evolutionary Trajectory of the Replication Mode of Bacterial Replicons. <i>mBio</i> 12(1).DOI: 10.1128/mBio.02745-20.	7.867	15/136	MICROBIOLOGY
83.	Yes	LUO Haiwei	Zhang, H., Sun, Y., Zeng, Q., Crowe, S.A. and Luo, H.* (2021). Snowball Earth, population bottleneck and Prochlorococcus evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> 288(1963): 20211956.DOI: 10.1098/rspb.2021.1956.	5.349	13/93 26/166 9/50	BIOLOGY ECOLOGY EVOLUTIONARY BIOLOGY
84.	Yes	LUO Haiwei	Zhang, Z., Qin, F., Chen, F., Chu, X., Luo, H., Zhang, R., Du, S., Tian, Z. and Zhao, Y.* (2021). Culturing novel and abundant pelagiphages in the ocean. <i>Environmental Microbiology</i> 23(2): 1145-1161.DOI: 10.1111/1462-2920.15272.	5.491	30/136	MICROBIOLOGY
85.	Yes	NGAI Sai Ming	Huang, T., Hou, Y., Wang, X., Wang, L., Yi, C., Wang, C., Sun, X., Tam, P.K.H., Ngai, S.M., Sham, M.H., Burns, A.J.* and Chan, W.Y.* (2022). Direct Interaction of Sox10 With Cadherin-19 Mediates Early Sacral Neural Crest Cell Migration: Implications for Enteric Nervous System Development Defects. <i>Gastroenterology</i> 162(1): 179-192 e111.DOI: 10.1053/j.gastro.2021.08.029. (Epub 2021 Aug 21)	22.682	4/92	GASTROENTEROLOGY & HEPATOLOGY
86.	Yes	NGAI Sai Ming	Lui, K.W. and Ngai, S.M.* (2021). PrSM-Level Side-by-Side Comparison of Online LC-MS Methods with Intact Histone H3 and H4 Proteoforms. <i>Journal of Proteome Research</i> 20(9): 4331-4345.DOI: 10.1021/acs.jproteome.1c00308.	4.466	17/78	BIOCHEMICAL RESEARCH METHODS

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
87.	Yes	NGAI Sai Ming	Qu, X., Leung, T.C.N., Ngai, S.M., Tsai, S.N., Thakur, A., Li, W.K., Lee, Y., Leung, L., Ng, T.H., Yam, J., Lan, L., Lau, E.H.L., Wong, E.W.Y., Chan, J.Y.K. and Meehan, K.* (2021). Proteomic Analysis of Circulating Extracellular Vesicles Identifies Potential Biomarkers for Lymph Node Metastasis in Oral Tongue Squamous Cell Carcinoma. <i>Cells</i> 10(9).DOI: 10.3390/cells10092179.	6.6	53/195	CELL BIOLOGY
88.	Yes	NGO Chi Ki, Jacky	Li, Q., Zeng, C., Liu, H., Yung, K.W.Y., Chen, C., Xie, Q., Zhang, Y., Wan, S.W.C., Mak, B.S.W., Xia, J., Xiong, S. and Ngo, J.C.K.* (2021). Protein-protein interaction inhibitor of SRPKs alters the splicing isoforms of VEGF and inhibits angiogenesis. <i>iScience</i> 24(5): 102423.DOI: <a href="https://doi.org/10.1016/j.isci.2021.102423">https://doi.org/10.1016/j.isci.2021.102423</a> .	5.458	14/72	MULTIDISCIPLINARY SCIENCES
89.	Yes	TAI Pui Kuen, Amos LAM Hon-Ming	Liu, X., Tai, A.P.K.*, Chen, Y., Zhang, L., Shaddick, G., Yan, X. and Lam, H.M. (2021). Dietary shifts can reduce premature deaths related to particulate matter pollution in China. <i>Nature Food</i> 2: 997-1004.	SCI N/A	N/A	FOOD SCIENCE & TECHNOLOGY
90.	Yes	TAI Pui Kuen, Amos	Chong, M.L., Wong, Y.C., Woo, W.C., Tai, A.P.K.* and Wong, W.K.* (2021). Calibration of High-Impact Short-Range Quantitative Precipitation Forecast through Frequency-Matching Techniques. <i>Atmosphere</i> 12(2).DOI: ARTN 247 10.3390/atmos12020247.	2.686	163/274 54/94	ENVIRONMENTAL SCIENCES METEOROLOGY & ATMOSPHERIC SCIENCES
91.	Yes	TAI Pui Kuen, Amos	Lee, C.H.Y., Tang, A.M.C.*, Lai, D.Y.F., Tai, A.P.K.*, Leung, A.S.L., Tao, D.K.C., Leung, F., Leung, S.S.M., Wu, C., Tong, S.C.S. and Ng, K.T.K. (2021). Problems and Management of Acacia-Dominated Urban Forests on Man-Made Slopes in a Subtropical, High-Density City. <i>Forests</i> 12(3).DOI: ARTN 323 10.3390/f12030323.	2.634	13/67	FORESTRY
92.	Yes	TAI Pui Kuen, Amos	Li, J., Tam, C.Y.*, Tai, A.P.K.* and Lau, N.C. (2021). Vegetation-heatwave correlations and contrasting energy exchange responses of different vegetation types to summer heatwaves in the Northern Hemisphere during the 1982-2011 period. <i>Agricultural and Forest Meteorology</i> 296.DOI: ARTN 108208 10.1016/j.agrformet.2020.108208.	5.734	3/91 2/67 12/94	AGRONOMY FORESTRY METEOROLOGY & ATMOSPHERIC SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
93.	Yes	TAI Pui Kuen, Amos	Liu, X.Y., Tai, A.P.K.* and Fung, K.M. (2021). Responses of surface ozone to future agricultural ammonia emissions and subsequent nitrogen deposition through terrestrial ecosystem changes. <i>Atmospheric Chemistry and Physics</i> 21(23): 17743-17758.DOI: 10.5194/acp-21-17743-2021.	6.133	43/274 10/94	ENVIRONMENTAL SCIENCES METEOROLOGY & ATMOSPHERIC SCIENCES
94.	Yes	TAI Pui Kuen, Amos	Tai, A.P.K.*, Ma, P.H.L., Chan, Y.C., Chow, M.K., Ridley, D.A. and Kok, J.F. (2021). Impacts of climate and land cover variability and trends on springtime East Asian dust emission over 1982-2010: A modeling study. <i>Atmospheric Environment</i> 254.DOI: ARTN 118348 10.1016/j.atmosenv.2021.118348.	4.798	78/274 19/94	ENVIRONMENTAL SCIENCES METEOROLOGY & ATMOSPHERIC SCIENCES
95.	Yes	TAI Pui Kuen, Amos	Tai, A.P.K.*, Sadiq, M., Pang, J.Y.S., Yung, D.H.Y. and Feng, Z.Z. (2021). Impacts of Surface Ozone Pollution on Global Crop Yields: Comparing Different Ozone Exposure Metrics and Incorporating Co-effects of CO <sub>2</sub> . <i>Frontiers in Sustainable Food Systems</i> 5.DOI: ARTN 534616 10.3389/fsufs.2021.534616.	SCI N/A	53/163	FOOD SCIENCE & TECHNOLOGY
96.	Yes	TSANG Suk Ying, Faye	Ding, Q., Qi, Y. and Tsang, S.Y.* (2021). Mitochondrial Biogenesis, Mitochondrial Dynamics, and Mitophagy in the Maturation of Cardiomyocytes. <i>Cells</i> 10(9).DOI: 10.3390/cells10092463.	6.6	53/195	CELL BIOLOGY
97.	Yes	TSANG Suk Ying, Faye	Kwok, M., Lee, C., Li, H.S., Deng, R., Tsoi, C., Ding, Q., Tsang, S.Y., Leung, K.T., Yan, B.P. and Poon, E.N.* (2021). Remdesivir induces persistent mitochondrial and structural damage in human induced pluripotent stem cell derived cardiomyocytes. <i>Cardiovascular Research</i> .DOI: 10.1093/cvr/cvab311.	10.787	12/142	CARDIAC & CARDIOVASCULAR SYSTEMS
98.	Yes	TSANG Suk Ying, Faye	Liu, X., Zhao, R., Ding, Q., Yao, X. and Tsang, S.Y.* (2021). TRPC7 regulates the electrophysiological functions of embryonic stem cell-derived cardiomyocytes. <i>Stem Cell Research &amp; Therapy</i> 12(1): 262.DOI: 10.1186/s13287-021-02308-7.	6.832	7/29 45/195 24/140	CELL & TISSUE ENGINEERING CELL BIOLOGY MEDICINE, RESEARCH & EXPERIMENTAL
99.	Yes	TSANG Suk Ying, Faye	Qi, Z., Wang, T., Chen, X., Wong, C.K., Ding, Q., Sauer, H., Chen, Z.F., Long, C., Yao, X., Cai, Z. and Tsang, S.Y.* (2021). Extracellular and Intracellular Angiotensin II Regulate the Automaticity of Developing Cardiomyocytes via Different Signaling Pathways. <i>Frontiers in Molecular Biosciences</i> 8: 699827.DOI: 10.3389/fmolb.2021.699827.	5.246	81/295	BIOCHEMISTRY & MOLECULAR BIOLOGY



	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
100.	No	TSANG Suk Ying, Faye	Wen, L., Yang, C., Liao, X., Zhang, Y., Chai, X., Gao, W., Guo, S., Bi, Y., Tsang, S.Y., Chen, Z.F., Qi, Z.* and Cai, Z.* (2022). Investigation of PM(2.5) pollution during COVID-19 pandemic in Guangzhou, China. <i>Journal of Environmental Sciences (China)</i> 115: 443-452.DOI: 10.1016/j.jes.2021.07.009.	3.556	72/251	ENVIRONMENTAL SCIENCES
101.	Yes	TSANG Suk Ying, Faye	Yang, Z., Yang, M., Chow, H.M., Tsang, S.Y., Lee, M.M.* and Chan, M.K.* (2021). Cytosolic delivery of CDK4/6 inhibitor p16 protein using engineered protein crystals for cancer therapy. <i>Acta Biomaterialia</i> 135: 582-592.DOI: 10.1016/j.actbio.2021.08.054.	8.947	10/89 5/41	ENGINEERING, BIOMEDICAL MATERIALS SCIENCE, BIOMATERIALS
102.	Yes	TSANG Suk Ying, Faye	Zhao, R., Liu, X., Qi, Z., Yao, X. and Tsang, S.Y.* (2021). TRPV1 channels regulate the automaticity of embryonic stem cell-derived cardiomyocytes through stimulating the Na(+)/Ca(2+) exchanger current. <i>Journal of Cellular Physiology</i> 236(10): 6806-6823.DOI: 10.1002/jcp.30369.	6.384	56/195 7/81	CELL BIOLOGY PHYSIOLOGY
103.	Yes	WONG Kam Bo	Lo, H.S., Hui, K.P.Y., Lai, H.M., He, X., Khan, K.S., Kaur, S., Huang, J., Li, Z., Chan, A.K.N., Cheung, H.H., Ng, K.C., Ho, J.C.W., Chen, Y.W., Ma, B., Cheung, P.M., Shin, D., Wang, K., Lee, M.H., Selisko, B., Eydoux, C., Guillemot, J.C., Canard, B., Wu, K.P., Liang, P.H., Dikic, I., Zuo, Z., Chan, F.K.L., Hui, D.S.C., Mok, V.C.T., Wong, K.B., Mok, C.K.P., Ko, H., Aik, W.S., Chan, M.C.W.* and Ng, W.L.* (2021). Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. <i>ACS Central Science</i> 7(5): 792-802.DOI: 10.1021/acscentsci.0c01186.	14.553	17/178	CHEMISTRY, MULTIDISCIPLINARY
104.	Yes	WONG Kam Bo	Mukherjee, R., Bhattacharya, A., Bojkova, D., Mehdipour, A.R., Shin, D., Khan, K.S., Hei-Yin Cheung, H., Wong, K.B., Ng, W.L., Cinatl, J., Geurink, P.P., van der Heden van Noort, G.J., Rajalingam, K., Ciesek, S., Hummer, G. and Dikic, I.* (2021). Famotidine inhibits toll-like receptor 3-mediated inflammatory signaling in SARS-CoV-2 infection. <i>Journal of Biological Chemistry</i> 297(2): 100925.DOI: 10.1016/j.jbc.2021.100925.	5.157	86/295	BIOCHEMISTRY & MOLECULAR BIOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
105.	Yes	WONG Kam Bo JIANG Liwen	Tsao, H.E., Lui, S.N., Lo, A.H.F., Chen, S., Wong, H.Y., Wong, C.K., Jiang, L.W. and Wong, K.B.* (2022). Structural insights into how vacuolar sorting receptors recognize the sorting determinants of seed storage proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 119(1).DOI: ARTN e2111281119 10.1073/pnas.2111281119.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
106.	Yes	WONG Wing Tak, Jack	Chen, F.M.*, Tse, J.K., Jin, L., Chook, C.Y.B., Leung, F.P., Tse, G., Woo, C.W., Xu, A., Chawla, A., Tian, X.Y., Chan, T.F. and Wong, W.T.* (2022). Type 2 innate immunity drives distinct neonatal immune profile conducive for heart regeneration. <i>Theranostics</i> 12(3): 1161-1172.DOI: 10.7150/thno.67515.	11.556	9/140	MEDICINE, RESEARCH & EXPERIMENTAL
107.	Yes	WONG Wing Tak, Jack	Chook, C.Y.B.*, Chen, F.M., Leung, F.P., Chen, Z.Y. and Wong, W.T.* (2021). Potential of crocodile blood as a medication and dietary supplement: A systemic review. <i>Clinical and Experimental Pharmacology and Physiology</i> 48(8): 1043-1058.DOI: 10.1111/1440-1681.13524.	2.557	192/276 49/81	PHARMACOLOGY & PHARMACY PHYSIOLOGY
108.	Yes	WONG Wing Tak, Jack	Chook, C.Y.B., Chen, F.M., Tse, G., Leung, F.P. and Wong, W.T.* (2021). Crocodile blood supplementation protects vascular function in diabetic mice. <i>Food Production, Processing and Nutrition</i> 3(1): 19.DOI: 10.1186/s43014-021-00066-w.	N/A	N/A	N/A
109.	Yes	WONG Wing Tak, Jack	Gurung, B., Tse, G., Keung, W., Li, R.A.* and Wong, W.T.* (2021). Arrhythmic Risk Assessment of Hypokalaemia Using Human Pluripotent Stem Cell-Derived Cardiac Anisotropic Sheets. <i>Frontiers in Cell and Developmental Biology</i> 9: 681665.DOI: 10.3389/fcell.2021.681665.	6.684	52/195 6/41	CELL BIOLOGY DEVELOPMENTAL BIOLOGY
110.	No	WONG Wing Tak, Jack	Hywood, J.D.*, Sadeghipour, S., Clayton, Z.E., Yuan, J., Stubbs, C., Wong, J.W.T., Cooke, J.P. and Patel, S. (2021). Induced endothelial cells from peripheral arterial disease patients and neonatal fibroblasts have comparable angiogenic properties. <i>PLoS One</i> 16(8): e0255075.DOI: 10.1371/journal.pone.0255075.	3.24	26/72	MULTIDISCIPLINARY SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
111.	Yes	WONG Wing Tak, Jack	Lee, S., Wong, W.T., Wong, I.C.K., Mak, C., Mok, N.S., Liu, T.* and Tse, G.* (2021). Ventricular Tachyarrhythmia Risk in Paediatric/Young vs. Adult Brugada Syndrome Patients: A Territory-Wide Study. <i>Frontiers in Cardiovascular Medicine</i> 8: 671666.DOI: 10.3389/fcvm.2021.671666.	6.05	30/142	CARDIAC & CARDIOVASCULAR SYSTEMS
112.	No	WONG Wing Tak, Jack	Lee, S., Zhou, J., Guo, C.L., Wong, W.T., Liu, T., Wong, I.C.K., Jeevaratnam, K., Zhang, Q.* and Tse, G.* (2021). Predictive scores for identifying patients with type 2 diabetes mellitus at risk of acute myocardial infarction and sudden cardiac death. <i>Endocrinology, Diabetes &amp; Metabolism</i> 4(3): e00240.DOI: 10.1002/edm2.240.	N/A	N/A	N/A
113.	No	WONG Wing Tak, Jack	Lee, S., Zhou, J., Leung, K.S.K., Wu, W.K.K., Wong, W.T., Liu, T., Wong, I.C.K., Jeevaratnam, K., Zhang, Q.* and Tse, G.* (2021). Development of a predictive risk model for all-cause mortality in patients with diabetes in Hong Kong. <i>BMJ Open Diabetes Research &amp; Care</i> 9(1).DOI: 10.1136/bmjdr-2020-001950.	3.388	92/146	ENDOCRINOLOGY & METABOLISM
114.	No	WONG Wing Tak, Jack	Lee, S., Zhou, J., Wong, W.T., Liu, T., Wu, W.K.K., Wong, I.C.K., Zhang, Q.* and Tse, G.* (2021). Glycemic and lipid variability for predicting complications and mortality in diabetes mellitus using machine learning. <i>BMC Endocrine Disorders</i> 21(1): 94.DOI: 10.1186/s12902-021-00751-4.	2.763	110/146	ENDOCRINOLOGY & METABOLISM
115.	Yes	WONG Wing Tak, Jack	Tian, Q., Leung, F.P., Chen, F.M., Tian, X.Y., Chen, Z., Tse, G., Ma, S. and Wong, W.T.* (2021). Butyrate protects endothelial function through PPAR $\delta$ /miR-181b signaling. <i>Pharmacological Research</i> 169: 105681.DOI: 10.1016/j.phrs.2021.105681.	7.658	16/276	PHARMACOLOGY & PHARMACY
116.	Yes	WONG Wing Tak, Jack	Tse, G.*, Lee, S., Zhou, J., Liu, T., Wong, I.C.K., Mak, C., Mok, N.S., Jeevaratnam, K., Zhang, Q., Cheng, S.H.* and Wong, W.T.* (2021). Territory-Wide Chinese Cohort of Long QT Syndrome: Random Survival Forest and Cox Analyses. <i>Frontiers in Cardiovascular Medicine</i> 8: 608592.DOI: 10.3389/fcvm.2021.608592.	6.05	30/142	CARDIAC & CARDIOVASCULAR SYSTEMS

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
117.	No	WONG Wing Tak, Jack	Tse, G.*, Li, K.H.C., Cheung, C.K.Y., Letsas, K.P., Bhardwaj, A., Sawant, A.C., Liu, T., Yan, G.X., Zhang, H., Jeevaratnam, K., Sayed, N., Cheng, S.H.* and Wong, W.T.* (2021). Arrhythmogenic Mechanisms in Hypokalaemia: Insights From Pre-clinical Models. <i>Frontiers in Cardiovascular Medicine</i> 8: 620539.DOI: 10.3389/fcvm.2021.620539.	6.05	30/142	CARDIAC & CARDIOVASCULAR SYSTEMS
118.	No	WONG Wing Tak, Jack	Tse, G., Zhou, J., Lee, S., Wong, W.T., Li, X., Liu, T., Cao, Z., Zeng, D.D., Wai, A.K.C., Wong, I.C.K., Cheung, B.M.Y.* and Zhang, Q.* (2021). Relationship between angiotensin-converting enzyme inhibitors or angiotensin receptor blockers and COVID-19 incidence or severe disease. <i>Journal of Hypertension</i> 39(8): 1717-1724.DOI: 10.1097/hjh.0000000000002866.	4.844	17/65	PERIPHERAL VASCULAR DISEASE
119.	No	WONG Wing Tak, Jack	Zhou, J., Lee, S., Wong, W.T., Leung, K.S.K., Nam, R.H.K., Leung, P.S.H., Chau, Y.A., Liu, T., Chang, C., Cheung, B.M.Y., Tse, G.* and Zhang, Q.* (2021). Gender- and Age-Specific Associations of Visit-to-Visit Blood Pressure Variability With Anxiety. <i>Frontiers in Cardiovascular Medicine</i> 8: 650852.DOI: 10.3389/fcvm.2021.650852.	6.05	30/142	CARDIAC & CARDIOVASCULAR SYSTEMS
120.	No	WU Jin	Chen, X.Z.*, Ciais, P., Maignan, F., Zhang, Y., Bastos, A., Liu, L.Y., Bacour, C., Fan, L., Gentine, P., Goll, D., Green, J., Kim, H., Li, L., Liu, Y., Peng, S.S., Tang, H., Viovy, N., Wigner, J.P., Wu, J., Yuan, W.P. and Zhang, H.C. (2021). Vapor Pressure Deficit and Sunlight Explain Seasonality of Leaf Phenology and Photosynthesis Across Amazonian Evergreen Broadleaved Forest. <i>Global Biogeochemical Cycles</i> 35(6).DOI: ARTN e2020GB006893 10.1029/2020GB006893.	5.703	51/274 19/200 14/94	ENVIRONMENTAL SCIENCES GEOSCIENCES, MULTIDISCIPLINARY METEOROLOGY & ATMOSPHERIC SCIENCES
121.	No	WU Jin	Lamour, J.*, Davidson, K.J., Ely, K.S., Anderson, J.A., Rogers, A., Wu, J. and Serbin, S.P. (2021). Rapid estimation of photosynthetic leaf traits of tropical plants in diverse environmental conditions using reflectance spectroscopy. <i>PLoS One</i> 16(10): e0258791.DOI: 10.1371/journal.pone.0258791.	3.24	26/72	MULTIDISCIPLINARY SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
122.	No	WU Jin	Li, Y.Q., He, W., Wu, J., Zhao, P.*, Chen, T., Zhu, L.W., Ouyang, L., Ni, G.Y. and Holscher, D. (2021). Leaf stoichiometry is synergistically-driven by climate, site, soil characteristics and phylogeny in karst areas, Southwest China (Jul, 10.1007/s10533-021-00826-3, 2021). <i>Biogeochemistry</i> 155(2): 303-304.DOI: 10.1007/s10533-021-00834-3.	4.825	77/274 28/200	ENVIRONMENTAL SCIENCES GEOSCIENCES, MULTIDISCIPLINARY
123.	No	WU Jin	Liu, L., Chen, X.*, Ciais, P., Yuan, W., Maignan, F., Wu, J., Piao, S., Wang, Y.P., Wigneron, J.P., Fan, L., Gentine, P., Yang, X., Gong, F., Liu, H., Wang, C., Tang, X., Yang, H., Ye, Q., He, B., Shang, J. and Su, Y. (2022). Tropical tall forests are more sensitive and vulnerable to drought than short forests. <i>Global Change Biology</i> 28(4): 1583-1595.DOI: 10.1111/gcb.16017.	10.863	1/60 5/166	BIODIVERSITY CONSERVATION ECOLOGY
124.	No	WU Jin	Ouyang, L., Wu, J., Zhao, P.*, Li, Y.Q., Zhu, L.W., Ni, G.Y. and Rao, X.Q. (2021). Consumption of precipitation by evapotranspiration indicates potential drought for broadleaved and coniferous plantations in hilly lands of South China. <i>Agricultural Water Management</i> 252.DOI: ARTN 106927 10.1016/j.agwat.2021.106927.	4.516	12/91 16/98	AGRONOMY WATER RESOURCES
125.	No	WU Jin	Ouyang, L., Wu, J., Zhao, P.*, Zhu, L. and Ni, G. (2021). Stand age rather than soil moisture gradient dominantly regulates the compromise between plant growth and water use of Eucalyptus urophylla in hilly South China. <i>Land Degradation &amp; Development</i> 32.DOI: 10.1002/ldr.3921.	4.977	71/274 8/37	ENVIRONMENTAL SCIENCES SOIL SCIENCE
126.	No	WU Jin	Pivovarovoff, A.*, Wolfe, B., McDowell, N., Christoffersen, B., Davies, S., Dickman, L.T., Grossiord, C., Leff, R., Rogers, A., Serbin, S., Wright, S.J., Wu, J., Xu, C. and Chambers, J. (2021). Hydraulic architecture explains species moisture dependency but not mortality rates across a tropical rainfall gradient. <i>Biotropica</i> .DOI: 10.1111/btp.12964.	2.508	88/166	ECOLOGY

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
127.	No	WU Jin	Song, G., Wu, S., Lee, C.K.F., Serbin, S.P., Wolfe, B.T., Ng, M.K., Ely, K.S., Bogonovich, M., Wang, J., Lin, Z., Saleska, S., Nelson, B.W., Rogers, A. and Wu, J.* (2022). Monitoring leaf phenology in moist tropical forests by applying a superpixel-based deep learning method to time-series images of tree canopies. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> 183: 19-33.DOI: <a href="https://doi.org/10.1016/j.isprsjprs.2021.10.023">https://doi.org/10.1016/j.isprsjprs.2021.10.023</a> .	8.979	1/50 5/200 3/29 2/32	GEOGRAPHY, PHYSICAL GEOSCIENCES, MULTIDISCIPLINARY IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY REMOTE SENSING
128.	No	WU Jin	Wang, B., Wang, Z., Wang, C., Wang, X., Li, J., Jia, Z., Li, P., Wu, J., Chen, M. and Liu, L.* (2021). Field evidence reveals conservative water use of poplar saplings under high aerosol conditions. <i>Journal of Ecology</i> 109.DOI: 10.1111/1365-2745.13633.	6.256	15/166 16/235	ECOLOGY PLANT SCIENCES
129.	No	WU Jin	Wang, J., Yang, D., Chen, S., Zhu, X., Wu, S., Bogonovich, M., Guo, Z., Zhu, Z. and Wu, J. (2021). Automatic cloud and cloud shadow detection in tropical areas for PlanetScope satellite images. <i>Remote Sensing of Environment</i> 264: 112604.DOI: <a href="https://doi.org/10.1016/j.rse.2021.112604">https://doi.org/10.1016/j.rse.2021.112604</a> .	10.164	12/274 1/29 1/32	ENVIRONMENTAL SCIENCES IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY REMOTE SENSING
130.	No	WU Jin	Wang, X., Wang, C.Z., Wu, J., Miao, G.F., Chen, M., Chen, S.L., Wang, S.H., Guo, Z.F., Wang, Z.H., Wang, B., Li, J., Zhao, Y.J., Wu, X.L., Zhao, C.F., Lin, W.L., Zhang, Y.G. and Liu, L.L.* (2021). Intermediate Aerosol Loading Enhances Photosynthetic Activity of Croplands. <i>Geophysical Research Letters</i> 48(7).DOI: ARTN e2020GL091893 10.1029/2020GL091893.	4.72	31/200	GEOSCIENCES, MULTIDISCIPLINARY
131.	No	WU Jin	Xu, X.*, Konings, A.G., Longo, M., Feldman, A., Xu, L., Saatchi, S., Wu, D., Wu, J. and Moorcroft, P. (2021). Leaf surface water, not plant water stress, drives diurnal variation in tropical forest canopy water content. <i>New Phytologist</i> 231(1): 122-136.DOI: 10.1111/nph.17254.	10.152	7/235	PLANT SCIENCES
132.	No	WU Jin	Yan, Z., Guo, Z., Serbin, S.P., Song, G., Zhao, Y., Chen, Y., Wu, S., Wang, J., Wang, X., Li, J., Wang, B., Wu, Y., Su, Y., Wang, H., Rogers, A., Liu, L. and Wu, J. (2021). Spectroscopy outperforms leaf trait relationships for predicting photosynthetic capacity across different forest types. <i>New Phytologist</i> 232(1): 134-147.DOI: 10.1111/nph.17579.	10.152	7/235	PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
133.	No	WU Jin	Zarnetske, P.L., Gurevitch, J., Franklin, J.*, Groffman, P.M., Harrison, C.S., Hellmann, J.J., Hoffman, F.M., Kothari, S., Robock, A., Tilmes, S., Visoni, D., Wu, J., Xia, L. and Yang, C.E. (2021). Potential ecological impacts of climate intervention by reflecting sunlight to cool Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(15).DOI: 10.1073/pnas.1921854118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
134.	Yes	WU Jin LAM Hon- Ming	Guo, Z., Yan, Z., Majcher, B.M., Lee, C.K.F., Zhao, Y., Song, G., Wang, B., Wang, X., Deng, Y., Michaletz, S.T., Ryu, Y., Ashton, L.A., Lam, H.-M., Wong, M.S., Liu, L. and Wu, J.* (2022). Dynamic biotic controls of leaf thermoregulation across the diel timescale. <i>Agricultural and Forest Meteorology</i> 315: 108827.DOI: <a href="https://doi.org/10.1016/j.agrformet.2022.108827">https://doi.org/10.1016/j.agrformet.2022.108827</a> .	5.734	3/91 2/67 12/94	AGRONOMY FORESTRY METEOROLOGY & ATMOSPHERIC SCIENCES
135.	Yes	XIA Yiji	Hu, H., Flynn, N., Zhang, H., You, C., Hang, R., Wang, X., Zhong, H., Chan, Z., Xia, Y* and Chen, X.* (2021). SPAAC-NAD-seq, a sensitive and accurate method to profile NAD(+)-capped transcripts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(13).DOI: 10.1073/pnas.2025595118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES
136.	Yes	XIA Yiji	Jiao, Z., Tian, Y., Cao, Y., Wang, J., Zhan, B., Zhao, Z., Sun, B., Guo, C., Ma, W., Liao, Z., Zhang, H., Zhou, T., Xia, Y. and Fan, Z.* (2021). A novel pathogenicity determinant hijacks maize catalase 1 to enhance viral multiplication and infection. <i>New Phytologist</i> 230(3): 1126-1141.DOI: 10.1111/nph.17206.	10.152	7/235	PLANT SCIENCES
137.	Yes	XIA Yiji	Wang, Y.*, Wu, Y., Zhong, H., Chen, S., Wong, K.B. and Xia, Y.* (2022). Arabidopsis PUB2 and PUB4 connect signaling components of pattern-triggered immunity. <i>New Phytologist</i> 233(5): 2249-2265.DOI: 10.1111/nph.17922. (First published online: 17 December 2021)	10.152	7/235	PLANT SCIENCES
138.	Yes	XIA Yiji	Zhang, H.L., Zhong, H., Wang, X.F., Zhang, S.D., Shao, X.J., Hu, H., Yu, Z.L., Cai, Z.W.*, Chen, X.M.* and Xia, Y.J.* (2021). Use of NAD tagSeq II to identify growth phase-dependent alterations in E. coli RNA NAD(+) capping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 118(14).DOI: ARTN e2026183118 10.1073/pnas.2026183118.	11.205	8/72	MULTIDISCIPLINARY SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
139.	Yes	ZHANG Jianhua	Aslam, M.M., Waseem, M., Zhang, Q., Ke, W., Zhang, J. and Xu, W.* (2021). Identification of ABC transporter G subfamily in white lupin and functional characterization of L.albABGC29 in phosphorus use. <i>BMC Genomics</i> 22(1): 723.DOI: 10.1186/s12864-021-08015-0.	3.969	58/159 71/176	BIOTECHNOLOGY & APPLIED MICROBIOLOGY GENETICS & HEREDITY
140.	Yes	ZHANG Jianhua	Chen, J., Fei, K., Zhang, W., Wang, Z., Zhang, J. and Yang, J.* (2021). Brassinosteroids mediate the effect of high temperature during anthesis on the pistil activity of photo-thermosensitive genetic male-sterile rice lines. <i>The Crop Journal</i> 9(1): 109-119.DOI: <a href="https://doi.org/10.1016/j.cj.2020.07.001">https://doi.org/10.1016/j.cj.2020.07.001</a> .	4.407	13/91 30/235	AGRONOMY PLANT SCIENCES
141.	Yes	ZHANG Jianhua	Fan, T., Zhao, Y.Z., Yang, J.F., Liu, Q.L., Tian, Y., Debatosh, D., Liu, Y.G., Zhang, J., Chen, C.* , Chen, M.X.* and Zhou, S.M.* (2021). Phylogenetic comparison and splice site conservation of eukaryotic U1 snRNP-specific U1-70K gene family. <i>Scientific Reports</i> 11(1): 12760.DOI: 10.1038/s41598-021-91693-3.	4.38	17/72	MULTIDISCIPLINARY SCIENCES
142.	Yes	ZHANG Jianhua	Li, H., Li, A., Shen, W., Ye, N., Wang, G.* and Zhang, J.* (2021). Global Survey of Alternative Splicing in Rice by Direct RNA Sequencing During Reproductive Development: Landscape and Genetic Regulation. <i>Rice (N Y)</i> 14(1): 75.DOI: 10.1186/s12284-021-00516-6.	4.783	10/91	AGRONOMY
143.	Yes	ZHANG Jianhua	Li, H., Li, A., Shen, W., Zhang, J. and Wang, G.* (2021). Use of NAD-Seq to Profile NAD(+)-Capped RNAs in Plants. <i>Trends in Plant Science</i> 26(8): 871-872.DOI: 10.1016/j.tplants.2021.05.005.	18.313	2/235	PLANT SCIENCES
144.	No	ZHANG Jianhua	Liu, J., Liao, W., Nie, B., Zhang, J. and Xu, W.* (2021). OsUEV1B, an Ubc enzyme variant protein, is required for phosphate homeostasis in rice. <i>The Plant Journal</i> 106(3): 706-719.DOI: 10.1111/tpj.15193.	6.486	15/235	PLANT SCIENCES
145.	Yes	ZHANG Jianhua	Liu, T.Y., Ye, N., Wang, X., Das, D., Tan, Y., You, X., Long, M., Hu, T., Dai, L., Zhang, J.* and Chen, M.X.* (2021). Drought stress and plant ecotype drive microbiome recruitment in switchgrass rhizosphere. <i>Journal of Integrative Plant Biology</i> 63(10): 1753-1774.DOI: 10.1111/jipb.13154.	7.061	50/295 12/235	BIOCHEMISTRY & MOLECULAR BIOLOGY PLANT SCIENCES



	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
146.	Yes	ZHANG Jianhua	Liu, Y., Tian, Y., Wang, L.-X., Fan, T., Zhang, J., Chen, M.-X.* and Liu, Y.-G.* (2021). Phylogeny and conservation of plant U2A/U2A', a core splicing component in U2 spliceosomal complex. <i>Planta</i> 255(1): 25.DOI: 10.1007/s00425-021-03752-8.	4.116	40/235	PLANT SCIENCES
147.	Yes	ZHANG Jianhua	Miao, R.*, Yuan, W., Wang, Y., Garcia-Maquilon, I., Dang, X., Li, Y., Zhang, J., Zhu, Y., Rodriguez, P.L. and Xu, W.* (2021). Low ABA concentration promotes root growth and hydrotropism through relief of ABA INSENSITIVE 1-mediated inhibition of plasma membrane H(+)-ATPase 2. <i>Science Advances</i> 7(12).DOI: 10.1126/sciadv.abd4113.	14.143	5/72	MULTIDISCIPLINARY SCIENCES
148.	Yes	ZHANG Jianhua	Song, T., Das, D., Ye, N.H., Wang, G.Q., Zhu, F.Y., Chen, M.X., Yang, F.* and Zhang, J.H.* (2021). Comparative transcriptome analysis of coleorhiza development in japonica and Indica rice. <i>BMC Plant Biology</i> 21(1): 514.DOI: 10.1186/s12870-021-03276-z.	4.215	34/235	PLANT SCIENCES
149.	Yes	ZHANG Jianhua	Song, T., Das, D., Zhu, F., Chen, X., Chen, M., Yang, F.* and Zhang, J.* (2021). Effect of Alternate Wetting and Drying Irrigation on the Nutritional Qualities of Milled Rice. <i>Frontiers in Plant Science</i> 12: 721160.DOI: 10.3389/fpls.2021.721160.	5.754	17/235	PLANT SCIENCES
150.	Yes	ZHANG Jianhua	Song, T., Rubaiyath Bin Rahman, A.N.M., Das, D., Ye, N.-H., Yang, F., Zhu, F.-Y., Chen, M.-X.* and Zhang, J.-H.* (2021). Transcriptome changes in seeds during coleorhiza hair formation in rice. <i>The Crop Journal</i> .DOI: <a href="https://doi.org/10.1016/j.cj.2021.09.009">https://doi.org/10.1016/j.cj.2021.09.009</a> .	4.407	13/91 30/235	AGRONOMY PLANT SCIENCES
151.	Yes	ZHANG Jianhua	Teng, Z., Chen, Y., Yuan, Y., Peng, Y., Yi, Y., Yu, H., Yi, Z., Yang, J., Peng, Y., Duan, M.*, Zhang, J.* and Ye, N.* (2021). Identification of microRNAs regulating grain filling of rice inferior spikelets in response to moderate soil drying post-anthesis. <i>The Crop Journal</i> .DOI: <a href="https://doi.org/10.1016/j.cj.2021.11.004">https://doi.org/10.1016/j.cj.2021.11.004</a> .	4.407	13/91 30/235	AGRONOMY PLANT SCIENCES
152.	Yes	ZHANG Jianhua	Teng, Z., Yu, H., Wang, G., Meng, S., Liu, B., Yi, Y., Chen, Y., Zheng, Q., Liu, L., Yang, J., Duan, M.*, Zhang, J.* and Ye, N.* (2021). Synergistic interaction between ABA and IAA due to moderate soil drying promotes grain filling of inferior spikelets in rice. <i>The Plant Journal</i> .DOI: 10.1111/tpj.15642.	6.486	15/235	PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
153.	Yes	ZHANG Jianhua	Wang, G., Li, X., An, Y., Zhang, J. and Li, H.* (2021). Transient ChIP-Seq for Genome-wide In Vivo DNA Binding Landscape. <i>Trends in Plant Science</i> 26(5): 524-525.DOI: 10.1016/j.tplants.2020.12.002.	18.313	2/235	PLANT SCIENCES
154.	Yes	ZHANG Jianhua	Wang, G., Li, X., Ye, N.*, Huang, M., Feng, L., Li, H.* and Zhang, J.* (2021). OsTPP1 regulates seed germination through the crosstalk with abscisic acid in rice. <i>New Phytologist</i> 230(5): 1925-1939.DOI: 10.1111/nph.17300.	10.152	7/235	PLANT SCIENCES
155.	No	ZHANG Jianhua	Wang, K.*, Xu, F., Yuan, W., Zhang, D., Liu, J., Sun, L., Cui, L., Zhang, J. and Xu, W.* (2021). Rice G protein $\gamma$ subunit qPE9-1 modulates root elongation for phosphorus uptake by involving 14-3-3 protein OsGF14b and plasma membrane H(+)-ATPase. <i>The Plant Journal</i> 107(6): 1603-1615.DOI: 10.1111/tpj.15402.	6.486	15/235	PLANT SCIENCES
156.	No	ZHANG Jianhua	Wang, K., Xu, F., Yuan, W.*, Sun, L., Wang, S., Aslam, M.M., Zhang, J. and Xu, W.* (2021). G protein $\gamma$ subunit qPE9-1 is involved in rice adaptation under elevated CO <sub>2</sub> concentration by regulating leaf photosynthesis. <i>Rice (N Y)</i> 14(1): 67.DOI: 10.1186/s12284-021-00507-7.	4.783	10/91	AGRONOMY
157.	No	ZHANG Jianhua	Xu, F., Liao, H., Zhang, Y., Yao, M., Liu, J., Sun, L., Zhang, X., Yang, J., Wang, K., Wang, X., Ding, Y., Liu, C., Rensing, C., Zhang, J., Yeh, K. and Xu, W.* (2021). Coordination of root auxin with the fungus <i>Piriformospora indica</i> and bacterium <i>Bacillus cereus</i> enhances rice rhizosphere formation under soil drying. <i>The ISME Journal</i> .DOI: 10.1038/s41396-021-01133-3.	10.302	7/166 10/136	ECOLOGY MICROBIOLOGY
158.	Yes	ZHANG Jianhua	Yang, F., Li, C.H., Das, D., Zheng, Y.H., Song, T., Wang, L.X., Chen, M.X., Li, Q.Z.* and Zhang, J.* (2021). Comprehensive Transcriptome and Metabolic Profiling of Petal Color Development in <i>Lycoris sprengeri</i> . <i>Frontiers in Plant Science</i> 12: 747131.DOI: 10.3389/fpls.2021.747131.	5.754	17/235	PLANT SCIENCES
159.	Yes	ZHANG Jianhua	Yang, J.F., Chen, M.X., Zhang, J., Hao, G.F.* and Yang, G.F. (2021). Structural dynamics and determinants of abscisic acid-receptor binding preference in different aggregation states. <i>Journal of Experimental Botany</i> 72(13): 5051-5065.DOI: 10.1093/jxb/erab178.	6.992	13/235	PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
160.	Yes	ZHANG Jianhua	Yuan, W., Zhang, Q., Li, Y., Wang, Q., Xu, F., Dang, X., Xu, W.*; Zhang, J. and Miao, R.* (2021). Abscisic acid is required for root elongation associated with Ca <sup>2+</sup> influx in response to water stress. <i>Plant Physiology and Biochemistry</i> 169: 127-137.DOI: <a href="https://doi.org/10.1016/j.plaphy.2021.11.002">https://doi.org/10.1016/j.plaphy.2021.11.002</a> .	4.27	33/235	PLANT SCIENCES
161.	Yes	ZHANG Jianhua	Zhang, K.L., Zhou, J.L., Yang, J.F., Zhao, Y.Z., Das, D., Hao, G.F., Wu, C., Zhang, J., Zhu, F.Y., Chen, M.X. *and Zhou, S.M.* (2021). Phylogenetic Comparison and Splicing Analysis of the U1 snRNP-specific Protein U1C in Eukaryotes. <i>Frontiers in Molecular Biosciences</i> 8: 696319.DOI: 10.3389/fmolb.2021.696319.	5.246	81/295	BIOCHEMISTRY & MOLECULAR BIOLOGY
162.	No	ZHANG Jianhua	Zhang, W., Yu, J., Xu, Y., Wang, Z., Liu, L., Zhang, H., Gu, J., Zhang, J. and Yang, J.* (2021). Alternate wetting and drying irrigation combined with the proportion of polymer-coated urea and conventional urea rates increases grain yield, water and nitrogen use efficiencies in rice. <i>Field Crops Research</i> 268: 108165.DOI: <a href="https://doi.org/10.1016/j.fcr.2021.108165">https://doi.org/10.1016/j.fcr.2021.108165</a> .	5.224	7/91	AGRONOMY
163.	No	ZHONG Silin	Chen, Y.R., Wei, W.L., Tzeng, D.T.W., Owens, A.C.S., Tang, H.C., Wu, C.S., Lin, S.S., Zhong, S. and Yang, E.C.* (2021). Effects of artificial light at night (ALAN) on gene expression of <i>Aquatica ficta</i> firefly larvae. <i>Environmental Pollution</i> 281: 116944.DOI: 10.1016/j.envpol.2021.116944.	8.071	23/274	ENVIRONMENTAL SCIENCES
164.	Yes	ZHONG Silin	Dai, X., Tu, X., Du, B., Dong, P., Sun, S., Wang, X., Sun, J., Li, G., Lu, T.*; Zhong, S.* and Li, P.* (2022). Chromatin and regulatory differentiation between bundle sheath and mesophyll cells in maize. <i>The Plant Journal</i> 109(3): 675-692.DOI: 10.1111/tbj.15586. (Epub 2021 Dec 15)	6.486	15/235	PLANT SCIENCES
165.	No	ZHONG Silin	Hao, S., Lu, Y., Peng, Z., Wang, E., Chao, L., Zhong, S.* and Yao, Y.* (2021). McMYB4 improves temperature adaptation by regulating phenylpropanoid metabolism and hormone signaling in apple. <i>Horticulture Research</i> 8(1): 182.DOI: 10.1038/s41438-021-00620-0.	6.793	20/176 1/37 14/235	GENETICS & HEREDITY HORTICULTURE PLANT SCIENCES

	With SKL affiliation	Professor	Author, title, journal name, year of publication and page number	IF	Rank in Category	
166.	Yes	ZHUANG Xiaohong	Ren, K., Feng, L., Sun, S. and Zhuang, X.* (2021). Plant Mitophagy in Comparison to Mammals: What Is Still Missing? <i>International Journal of Molecular Sciences</i> 22(3).DOI: 10.3390/ijms22031236.	5.924	67/295 49/178	BIOCHEMISTRY & MOLECULAR BIOLOGY CHEMISTRY, MULTIDISCIPLINARY
167.	Yes	ZHUANG Xiaohong	Zhang, X., Man, Y., Zhuang, X., Shen, J., Zhang, Y., Cui, Y., Yu, M., Xing, J., Wang, G., Lian, N., Hu, Z., Ma, L., Shen, W., Yang, S., Xu, H., Bian, J., Jing, Y., Li, X., Li, R. and Lin, J.* (2021). Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. <i>Science China. Life sciences</i> 64.DOI: 10.1007/s11427-020-1910-1.	6.038	10/93	BIOLOGY
168.	Yes	ZHUANG Xiaohong WONG Kam Bo JIANG Liwen	Sun, S., Feng, L., Chung, K.P., Lee, K.M., Cheung, H.H., Luo, M., Ren, K., Law, K.C., Jiang, L., Wong, K.B. and Zhuang, X.* (2021). Mechanistic insights into an atypical interaction between ATG8 and SH3P2 in Arabidopsis thaliana. <i>Autophagy</i> : 1-17.DOI: 10.1080/15548627.2021.1976965.	16.016	14/195	CELL BIOLOGY

**(b) Book Chapter or books**

	#With SKL affiliation	*Joint-publication	*In <sup>†</sup> /N <sup>†</sup> 1 collaboration	^ Local collaboration	Professor	Book Chapter or books
1.	Yes (funding acknowledgment)	Yes	No	Yes	CHYE Mee Len	Guo, Z.H. and Chye, M.L.* (2021). Investigations of Lipid Binding to Acyl-CoA-Binding Proteins (ACBP) Using Isothermal Titration Calorimetry (ITC). <u>Methods in Molecular Biology</u> . <b>2295</b> : 401-415.
2.	Yes	No			JIANG Liwen	Zeng, Y., Ji, C., Lin, Y. and Jiang, L. (2021). Transient Expression of Fluorescent Fusion Proteins in Arabidopsis Protoplasts. <u>Methods in Molecular Biology</u> . <b>2200</b> : 157-165.