

List of SKLEBA publications in 2018

<i>Direction One Analysis and toxicology research of existing, emerging and potential POPs.</i>	IF of 2017
1. Adsorption mechanisms of five bisphenol analogues on PVC microplastics. Pengfei Wu, Zongwei Cai, Hangbiao Jin, Yuanyuan Tang. <i>Sci Total Environ.</i> 2019 Feb 10;650(Pt 1):671-678. doi: 10.1016/j.scitotenv.2018.09.049. Epub 2018 Sep 5.	4.61
2. The association of repeated measurements of prenatal exposure to triclosan with fetal and early-childhood growth. Chuansha Wu, Jiufeng Li, Wei Xia, Yuanyuan Li, Bin Zhang, Aifen Zhou, Jie Hu, Chunhui Li, Hongzhi Zhao, Minmin Jiang, Chen Hu, Jiaqiang Liao, Wenqian Huo, Xi Chen, Bing Xu, Shi Lu, Zongwei Cai, Shunqing Xu. <i>Environment International</i> 2018, 120: 54–62.	7.297
3. Contamination and risk profiles of triclosan and triclocarban in sediments from a less urbanized region in China. Zhi-Feng Chen, Hong-Biao Wen, Xiaoxin Dai, Shi-Chao Yan, Hui Zhang, Yan-Yan Chen, Zhiyun Du, Guoguang Liu, Zongwei Cai. <i>Journal of Hazardous Materials.</i> 2018, 357: 376-383.	6.434
4. The brominated flame retardant BDE 47 upregulates purine metabolism and mitochondrial respiration to promote adipocyte differentiation. Chunxue Yang, Chi-Ming Wong, Juntong Wei, Arthur C.K. Chung, Zongwei Cai. <i>Science of the Total Environment</i> 2018, 644, 1312–1322.	4.61
5. Liquid chromatography-mass spectrometry-based metabolomics and lipidomics reveal toxicological mechanisms of bisphenol F in breast cancer xenografts. Chao Zhao, Peisi Xie, Hailin Wang, Zongwei Cai. <i>Journal of Hazardous Materials.</i> 2018, 358: 503-7.	6.434
6. Effects of sub-chronic exposure to atmospheric PM _{2.5} on fibrosis, inflammation, endoplasmic reticulum stress and apoptosis in the livers of rats. Ruijin Li, Mei Zhang, Ying Wang, Ken Kin Lam Yung, Ruijun Su, Zhuoyu Li, Liping Zhao, Chuan Dong, Zongwei Cai. <i>Toxicology Research</i> 2018, 7(2): 271-282. January 2018	1.89
7. Mass spectrometry-based techniques for the investigation on toxicological mechanisms of bisphenol F in breast cancer xenografts. Zongwei Cai, <i>Abstracts of papers of The American Chemical Society.</i> 2018, 255:143. Mar 2018.	N/A
8. PAHs and heavy metals in the surrounding soil of a cement plant Co-Processing hazardous waste. Chen Wang, Zhenzhou Yang, Yanhao Zhang, Zuotai Zhang, Zongwei Cai <i>Chemosphere</i> 2018, 210: 247-256. doi: 10.1016/j.chemosphere.2018.06.177.	4.427
9. Metabolism of bisphenol S in mice after oral administration. Yuanyuan Song, Peisi Xie, Zongwei Cai. <i>Rapid Communications in Mass Spectrometry</i> 2018 32, 6:495-502.	1.97
10. Mass spectrometry investigation of DNA adduct formation from bisphenol A quinone metabolite and MCF-7 cell DNA. Hongzhi Zhao, Juntong Wei, Li Xiang, Zongwei Cai, <i>Talanta.</i> 2018, 182, 583-589.	4.244
11. Metabolic profiling on the effect of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) in MCF-7 cells. Juntong Wei, Li Xiang, Zigao Yuan, Shangfu Li, Chunxue Yang, Hongxia Liu, Yuyang Jiang, Zongwei Cai, <i>Chemosphere.</i> 2018 192:297-304. doi: 10.1016/j.chemosphere.2017.10.170. Epub 2017 Oct 31.	4.427
12. Sources and transformation pathways for dichlorodiphenyltrichloroethane (DDT) and metabolites in soils from Northwest Fujian, China Huang, Huanfang; Zhang, Yuan; Chen, Wei; Chen, Wenwen; Yuen, Dave A.; Ding, Yang; Chen, Yingjie; Mao, Yao; Qi, Shihua, 2018 <i>Environmental Pollution</i> 235:560-570	4.358
13. Profiles, variability, and predictors of urinary benzotriazoles and benzothiazoles in pregnant women from Wuhan, China. Zhou Y, Liu H, Li J, Xu S, Li Y, Zhao H, Jin H, Liu W, Chung ACK, Hong Y, Sun X, Jiang Y, Zhang W, Fang J, Xia W, Cai Z. <i>Environ Int.</i> 2018 Dec;121(Pt 2):1279-1288. doi: 10.1016/j.envint.2018.10.050. Epub 2018 Oct 29.	7.297

14. Early-life exposure to endocrine disrupting chemicals associates with childhood obesity *Ann Pediatr Endocrinol Metab.* Yang C, Lee HK, Kong APS, Lim LL, Cai Z, Chung ACK. 2018 Dec; 23(4):182-195. doi: 10.6065/apem.2018.23.4.182. Epub 2018 Dec 31. N/A
15. Occurrences and Partitioning of Bisphenol Analogues in Blood H Jin#, J Zhu#, Z Chen, Y Hong*, Z Cai*. *Environmental Science & Technology.* 52(2): 812-820 (2018) 6.653

Direction two Establishment of integrated platform of proteomics and metabolomics to study human disease associated with the POPs

16. Nine phthalate metabolites in human urine for the comparison of health risk between population groups with different water consumptions. Jiufeng Li, Hongzhi Zhao, Wei Xia, Yanqiu Zhou, Shunqing Xu, Zongwei Cai. *Sci Total Environ.* 2019 Feb 1;649:1532-1540. doi: 10.1016/j.scitotenv.2018.08.294. Epub 2018 Aug 23. 4.61
17. Metabolomics studies on db/db diabetic mice in skeletal muscle reveal effective clearance of overloaded intermediates by exercise. Li Xiang, Hongsong Zhang, Juntong Wei, Xiao Yu Tian, Hemi Luan, Shangfu Li, Hongzhi Zhao, Guodong Cao, Arthur C. K. Chung, Chunxue Yang, Yu Huang, Zongwei Cai. *Anal Chim Acta.* 2018 Dec 11;1037:130-139. doi: 10.1016/j.aca.2017.11.082. Epub 2017 Dec 20. 5.123
18. statTarget: A streamlined tool for signal drift correction and interpretations of quantitative mass spectrometry-based omics data. Hemi Luan, fenfen Ji, Yu Chen, Zongwei Cai. *Analytica Chimica Acta* 2018 Dec 7; 1036: 66-72. 5.123
19. Fabrication of nanoscale graphitic carbon nitride/copper oxide hybrid composites coated solid-phase microextraction fibers coupled with gas chromatography for determination of polycyclic aromatic hydrocarbons. Yixin Yang, Peige Qin, Jing Zhang, Wenqi Li, Jinhua Zhu, Minghua Lu, Zongwei Cai. *J Chromatogr A.* 2018 Oct 5;1570:47-55. doi: 10.1016/j.chroma.2018.07.080. Epub 2018 Jul 29. 3.716
20. Investigation on Metabolism of Di(2-Ethylhexyl) Phthalate in Different Trimesters of Pregnant Women. Hongzhi Zhao, Jiufeng Li, Yanqiu Zhou, Lin Zhu, Yuanyuan Zheng, Wei Xia, Yuanyuan Li, Li Xiang, Wei Chen, Shunqing Xu, Zongwei Cai. *Environ. Sci. Technol.*, 2018, Accepted. 6.653
21. Urinary concentrations of phthalate metabolites associated with changes in clinical hemostatic and hematologic parameters in pregnant women. Minmin Jiang, Yuanyuan Li, Bin Zhang, Aifen Zhou, Yingshuang Zhu, Jiufeng Li, Hongzhi Zhao, Li Chen, Jie Hu, Chuansha Wu, Yang Peng, Jiaqiang Liao, Zhiguo Xi, Zongwei Cai, Xi Chen, Bing Xu, Wei Xia, Shunqing Xu. *Environment International* 2018, 120: 34–42. 7.297
22. Integrative Chemical Proteomics-Metabolomics Approach Reveals Acaca/Acacb as Direct Molecular Targets of PFOA. Xiaojian Shao, Fenfen Ji, Yawei Wang, Lin Zhu, Zhen Zhang, Xiubo Du, Arthur Chi Kong Chung, Yanjun Hong, Qian Zhao, Zongwei Cai. *Anal. Chem.*, 2018, 90 (18), pp 11092–11098 6.042
23. PDSS2 Deficiency Induces Hepatocarcinogenesis by Decreasing Mitochondrial Respiration and Reprogramming Glucose Metabolism. Yan Li, Shuhai Lin, Lei Li, Zhi Tang, Yumin Hu, Xiaojiao Ban, Tingting Zeng, Ying Zhou, Yinghui Zhu, Song Gao, Wen Deng, Xiaoshi Zhang, Dan Xie, Yunfei Yuan, Peng Huang, Jinjun Li, Zongwei Cai, Xin-Yuan Guan. *Cancer Res* August 15 2018, 78 (16): 4471-4481. DOI: 10.1158/0008-5472.CAN-17-2172 9.13
24. Identification of different hemagglutinin isoforms of influenza A virus H1N1. Hanzhi Wu, Ningning Sun, Wenjun Song, Lin Zhu, Honglin Chen, Zongwei Cai. *Rapid Commun Mass Spectrom.* 2018 Aug 30; 32(16):1372-1378. doi: 10.1002/rcm.8182. 1.97
25. Determination of intracellular metabolites concentrations in *Escherichia coli* under nutrition stress using liquid chromatography-tandem mass spectrometry. Fenfen Ji, Yang Shen, Leihan Tang, Zongwei Cai. *Talanta* 2018, 189:1-7. 4.244
26. Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. Huina Zhang, Jian Liu, Dan Qu, Li Wang, Chi Ming Wong, Chi-Wai Lau, Yuhong Huang, Yi Fan Wang, Huihui Huang, Yin Xia, Li Xiang, 9.504

- Zongwei Cai, Pingsheng Liu, Yongxiang Wei, Xiaoqiang Yao, Ronald Ching Wan Ma, Yu Huang. *PNAS* 2018, 115 (29) E6927-E6936. July 17, 2018.
27. Spexin Acts as Novel Regulator for Bile Acid Synthesis. Cheng-yuan Lin, Ling Zhao, Tao Huang, Lin Lu, Mahjabin Khan, Jie Liu, Linda L. D. Zhong, Zongwei Cai, Bao-min Fan, Anderson O. L. Wong, Zhao-xiang Bian. *Front Physiol.* 2018; 9: 378. 3.394
28. Concentrations of organochlorine pesticides in cord serum of newborns in Wuhan, China. Jing Fang, Hongxiu Liu, Hongzhi Zhao, Shunqing Xu, Zongwei Cai. *Science of the Total Environment* 2018, 636: 761–766. 4.61
29. Determination of benzotriazoles and benzothiazoles in human urine by UHPLC-TQMS. Jiufeng Li, Hongzhi Zhao, Yanqiu Zhou, Shunqing Xu, Zongwei Cai, *Journal of Chromatography B-* 2017, 1070: 70-75. 2.441
30. LC-MS-based metabolomics revealed SLC25A22 as an essential regulator of aspartate-derived amino acids and polyamines in KRAS-mutant colorectal cancer. Xiaona Li, Arthur C.K. Chung, Shangfu Li, Lilan Wu, Jiaying Xu, Jun Yu, Chichun Wong, Zongwei Cai. *Oncotarget.* 2017, 8: 101333-101344. 5.168
31. Investigation of the interaction between the fate of antibiotics in aquafarms and their level in the environment. Yuanhong Zhong, Zhi-Feng Chen, Xiaoxin Dai, Shuang-Shuang Liu, Guangming Zheng, Xiping Zhu, Shugui Liu, Yi Yin, Guoguang Liu, Zongwei Cai, *Journal of Environmental Management.* 2018, 207, 219-229 4.005
32. Investigation of the reverse effect of Danhong injection on doxorubicin-induced cardiotoxicity in H9c2 cells: Insight by LC–MS based non-targeted metabolomic analysis. Xiaojiao Yi, Junfeng Zhu, Jinghui Zhang, Yun Gao, Zhongjian Chen, Shihai Lu, Zongwei Cai, Yanjun Hong, Yongjiang Wu, *Journal of Pharmaceutical and Biomedical Analysis* 2018:152 264–270 2.831
33. Sources and oxidative potential of water-soluble humic-like substances (HULISWS) in fine particulate matter (PM_{2.5}) in Beijing. Ma, Yiqiu; Cheng, Yubo; Qiu, Xinghua; Cao, Gang; Fang, Yanhua; Wang, Junxia; Zhu, Tong; Yu, Jianzhen; Hu, Di. 2018 *Atmospheric Chemistry and Physics* 18(8): 5607-5617 5.509
34. Comparative mitochondrial genomics reveals a possible role of a recent duplication of NADH dehydrogenase subunit 5 in gene regulation. Li, Runsheng; Ren, Xiaoliang; Bi, Yu; Ding, Qiutao; Ho, Vincy Wing Sze; Zhao, Zhongying, 2018 *DNA Research* 25(6): 577-586 5.415
35. Transcriptomic and methylomic analysis reveal the toxicological effect of 2,3,7,8-Tetrachlorodibenzodioxin on human embryonic stem cell. Lai, Keng Po; Li, Jing Woei; Chan, Ting Fung; Chen, Andy; Lee, Cherie Yin Lau; Yeung, William Shu Biu; Wong, Chris Kong Chu, 2018 *Chemosphere* 206: 663-673 4.427
36. Simultaneous determination of bisphenols, benzophenones and parabens in human urine by using UHPLC-TQMS. Hongzhi Zhao, Jiufeng Li, Xinli Ma, Wenqian Huo, Shunqing Xu*, Zongwei Cai*. *Chinese Chemical Letters.* 2018, 29:102-106 2.631
37. Liquid Chromatography-Mass Spectrometry-based Metabolomics and Lipidomics Reveal Toxicological Mechanisms of Bisphenol F in Breast Cancer Xenografts. Chao Zhao, Peisi Xie, Hailin Wang, Zongwei Cai*. *Journal of Hazardous Materials,* 2018, 358, 503-507. 6.434

Direction Three Development and application of new biosensing and bioimaging techniques for research on environmental pollution and human health

38. Reduced carbon nanodots as a novel substrate for direct analysis of bisphenol analogs in surface assisted laser desorption/ionization time of flight mass spectrometry. Wenjing Lu, Ruijin Li, Shaomin Shuang, Chuan Dong, Zongwei Cai. *Talanta* 2018 Dec 1; 190:89-94. 4.244
39. Nitrogen and Sulfur Co-doped Carbon-Dot-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Imaging for Profiling Bisphenol S Distribution in Mouse Tissues. Zian Lin , Jie Wu, Yongqiang Dong, Peisi Xie, Yanhao Zhang, Zongwei Cai. *Anal. Chem.,* 2018, 90 (18), pp 10872–10880 6.042

40. Rapid authentication of *Pseudostellaria heterophylla* (Taizishen) from different regions by Raman spectroscopy coupled with chemometric methods. Mei Wu, Lijuan Chen, Xuemin Huang, Zhenzhu Zheng, Bin Qiu, Longhua Guo, Zhenyu Lin, Guonan Chen, Zongwei Cai. *Journal of Luminescence* 2018, 202 : 239-245. 2.732
41. Boron and nitrogen co-doped carbon dots as a sensitive fluorescent probe for the detection of curcumin. Wei Bian, Xuan Wang, Yakun Wang, Haifen Yang, Jialin Huang, Zongwei Cai, Martin M. F. Choi. *Luminescence* 2018, 33: 174-180. 1.671
42. Layer-by-layer fabrication of g-C₃N₄ coating for headspace solid-phase microextraction of food additives followed by gas chromatography-flame ionization detection, Yixin Yang, Peige Qin, Xiaoting Zhang, Jiahua Niu, Shufang Tian, Minghua Lu, Jinhua Zhu and Zongwei Cai, *Anal. Methods*, 2018, 10, 322–329 2.073
43. Identification of glycerophospholipid fatty acid remodeling by using mass spectrometry imaging in bisphenol S induced mouse liver, Chao Zhao; Peisi Xie; Ti Yang; Hailin Wang; Arthur Chi Kong Chung; Zongwei Cai, *Chinese Chemical Letters*, 2018, 29(8):1281-3. 2.631
44. Negative ion laser desorption/ionization time-of-flight mass spectrometric analysis of small molecules by using nanostructured substrate as matrices. Zian Lin, Zongwei Cai. *Mass Spec Rev.* 2018, 37(5): 681-696. 9.526
45. MALDI-MS Imaging Reveals Asymmetric Spatial Distribution of Lipid Metabolites from Bisphenol S-Induced Nephrotoxicity. Chao Zhao, Peisi Xie, Ting Yong, Hailin Wang, Arthur Chi Kong Chung, Zongwei Cai. *Anal Chem.* 2018. 90(5):3196-3204. 2018 Mar 6. 6.042
46. Higher-generation type III-B rotaxane dendrimers with controlling particle size in three-dimensional molecular switching. Chak-Shing Kwan, Rundong Zhao, Michel A. Van Hove, Zongwei Cai, Ken Cham-Fai Leung. 2018 *Nature Communications* 9: 497. 12.353
47. A suspending-droplet mode paper-based microfluidic platform for low-cost, rapid, and convenient detection of lead(II) ions in liquid solution Sun, Han; Li, Wanbo; Dong, Zhen-Zhen; Hu, Chong; Leung, Chung-Hang; Ma, Dik-Lung; Ren, Kangning, 2018 *Biosensors & Bioelectronics* 99: 361-367 8.173
48. Diffusive gradients in thin-films (DGT) for in situ sampling of selected endocrine disrupting chemicals (EDCs) in waters. Chen, Wei; Pan, Suhong; Cheng, Hao; Sweetman, Andrew J.; Zhang, Hao; Jones, Kevin C. 2018 *Water Research* 137: 211-219 7.051
49. In situ preparation of core-shell magnetic porous aromatic framework nanoparticles for mixed-mode solid-phase extraction of trace multitarget analytes. Chen, Yanlong; Zhang, Wenfen; Zhang, Yanhao; Deng, Zhifen; Zhao, Wenjie; Du, Huifang; Ma, Xue; Yin, Dan; Xie, Fuwei; Chen, Yu; Zhang, Shusheng. 2018 *Journal of Chromatography A* 1556: 1-9 3.716
50. Cetuximab-conjugated iodine doped carbon dots as a dual fluorescent/CT probe for targeted imaging of lung cancer cells. Su, Huifang; Liao, Ying; Wu, Fengshou; Sun, Xinzhi; Liu, Hongjian; Wang, Kai; Zhu, Xunjin, 2018 *Colloids and Surfaces B-Biointerfaces* 170: 194-200 3.997
51. 2D Porous Aromatic Framework as a Novel Solid-Phase Extraction Adsorbent for the determination of Trace BPA in Milk Yin, Dan; Chen, Yanlong; Zhang, Yanhao; Yang, Zhicong; Mao, Hongyan; Xia, Shaige; Zhang, Wenfen; Zhao, Wuduo; Zhang, Shusheng, 2018 *Chromatographia* 81(5): 749-758 1.401
52. Helical nanoparticle-induced enantiospecific adsorption of N3 dyes. Sun, Peng; Liu, Junjun; Yan, Ming; Huang, Zhifeng, 2018 *Chemical Communications* 54(34): 4270-4273 6.29
53. Noninvasive real-time monitoring of local drug release using nano-Au-absorbed self-decomposable SiO₂ carriers. Fan, Li; Yang, Jingnan; Leung, Ken Cham-Fai; Song, Chaojun; Li, Quan, 2018 *Nanoscale* 10(32): 15332-15338 7.233
54. Infiltration and Profiles of Mesoporous Silica Nanoparticles in Dentinal Tubules. Li, Xin; Li, Xuan; Wang, Shuai; Leung, Ken Cham-Fai; Zhang, Chengfei; Jin, Lijian, 2018 *ACS Biomaterials Science & Engineering* 4(4): 1428-1436 4.432

55. Genomic basis of recombination suppression in the hybrid between *Caenorhabditis briggsae* and *C. nigoni*. Ren, Xiaoliang; Li, Runsheng; Wei, Xiaolin; Bi, Yu; Ho, Vincy Wing Sze; Ding, Qiutao; Xu, Zhichao; Zhang, Zhihong; Hsieh, Chia-Ling; Young, Amanda; Zeng, Jianyang; Liu, Xiao; Zhao, Zhongying, 2018 *Nucleic Acids Research* 46(3): 1295-1307 11.561
56. Noninvasive Real-time Monitoring of Local Drug Release Using Nano Au-absorbed Self-decomposable SiO₂ Carriers. L. Fan, J. Yang, K. C.-F. Leung, C. Song, Q. Li. *Nanoscale* 2018, 10, 15332-15338. 7.233
57. Chiral nanoparticle-induced enantioselective amplification of molecular optical activity. L. Yang, C.-S. Kwan, L. L. Zhang, X. H. Li, Y. Han, K. C.-F. Leung,* Y. G. Yang,* and Z. F. Huang, *Adv. Funct. Mater.* 2018, 1807307. 13.325
58. Promoting Intracellular Delivery of Sub-25 nm Nanoparticles Via Defined Levels of Compression. H. Yang, Y. Yao, H. Li, L. W. C. Ho, B. Yin, W.-Y. Yung, K. C.-F. Leung, A. F.-T. Mak, C. H. J. Choi *Nanoscale* 2018, 10, 15090-15102. 7.233
59. Porphyrin-Implanted Carbon Nanodots for Photoacoustic Imaging and in Vivo Breast Cancer Ablation. Fengshou Wu, Huifang Su, Yuchen Cai, Wai-Kwok Wong Wenqi Jiang, and Xunjin Zhu. *ACS Appl. Bio Mater.* 2018, 1(1), 110-117. N/A
60. Red/Near-Infrared Emissive Metalloporphyrin-Based Nanodots for Magnetic Resonance Imaging Guided Photodynamic Therapy in Vivo. F. Wu, J. Chen, Z. Li, H. Su, K. C.-F. Leung, H. Wang, X. J. Zhu. *Part. Part. Syst. Char.* 2018, 1800208. 4.384
61. Ln(III) chelates-functionalized carbon quantum dots: Synthesis, optical studies and multimodal bioimaging applications. Fengshou Wu, Liangliang Yue, Lixia Yang, Kai Wang, Genyan Liu, Xiaogang Luo, XunjinZhu. *Colloids and Surfaces B: Biointerfaces* 2019, 175, 1, 272-280. 3.997

Others

62. A photocatalytic degradation strategy of PPCPs by a heptazine-based CN organic polymer (OCN) under visible light. Qianxin Zhang, Ping Chen, Cuiwen Tan, Tiansheng Chen, Meihui Zhuo, Zhijie Xie, Fengliang Wang, Haijin Liu, Zongwei Cai, Guoguang Liu, Wenying Lv. *ENVIRONMENTAL SCIENCE-NANO*. 5(10):2325-36. 6.087
63. Dual role of coal fly ash in copper ion adsorption followed by thermal stabilization in a spinel solid solution. Pengfei Wu, Yuanyuan Tang, Zongwei Cai. *Rsc Advances* 2018, 8, 8805-8812. 2.936
64. Purification and characterization of fibrinolytic enzyme from a bacterium isolated from soil. Xiong Xin, Ranga Rao Ambati, Zongwei Cai, Bo Lei *3 Biotech* 2018, 8. 1.497
65. Assessing consumer trends and illegal activity by monitoring the online wildlife trade. Sung, Yik-Hei; Fong, Jonathan J. 2018 *Biological Conservation* 227: 219-225 4.661
66. Establishment of Signaling Interactions with Cellular Resolution for Every Cell Cycle of Embryogenesis. Chen, Long; Ho, Vincy Wing Sze; Wong, Ming-Kin; Huang, Xiaotai; Chan, Lu-yan; Ng, Hon Chun Kaoru; Ren, Xiaoliang; Yan, Hong; Zhao, Zhongying, 2018 *Genetics* 209 (1): 37-49 4.075
67. Assessment of multiple and interacting modes of soil loss in the karst critical zone, Southwest China (SWC). Zeng, Faming; Jiang, Zhongcheng; Shen, Lina; Chen, Wei; Yang, Qiyong; Zhang, Cheng, 2018 *Geomorphology* 322: 97-106 3.308
68. Heavy metals in paddy soil-rice systems of industrial and township areas from subtropical China: Levels, transfer and health risks. Lu, Anxiang; Li, Bingru; Li, Jing; Chen, Wei; Xu, Li, 2018 *Journal of Geochemical Exploration* 194: 210-217 2.858
69. The caseinolytic protease complex component CLPC1 in *Arabidopsis* maintains proteome and RNA homeostasis in chloroplasts. Zhang, Shoudong; Zhang, Huoming; Xia, Yiji; Xiong, Liming, 2018 *BMC Plant Biology* 18 3.93
70. Artificial Neural Network Genetic Algorithm to Optimize Yin Rice Inoculation Fermentation Conditions for Improving Physico-chemical Characteristics. Hu, Kaiqun; Ding, Cheng; Zhou, Mengzhou; Wang, Chao; Hu, Bei; Chen, Yuanyuan; Wu, Qian; Feng, Nianjie, 2018 *Food Science and Technology Research* 24(4): 729-737 0.379

71. A new species of *Hemiphyllodactylus* (Squamata: Gekkonidae) from Hong Kong. Sung, Yik-Hei; Lee, Wing-Ho; Ng, Ho-Nam; Zhang, Yanjie; Yang, Jian-Huan, 2018 *Zootaxa* 4392(2): 361-373 0.931
72. Automated inference of signaling interactions at cellular resolution for every cell cycle of embryogenesis. Long Chen#, Vincy Wing Sze Ho#, Ming-Kin Wong#, Xiaotai Huang#, Lu-yan Chan, Hon Chun Kaoru Ng, Xiaoliang Ren, Hong Yan & Zhongying Zhao* *Genetics*. 2018 Mar 22. pii: genetics.300820.2018. 4.075
73. Dense thiol arrays for metal–organic frameworks: boiling water stability, Hg removal beyond 2 ppb and facile crosslinking. Mu-Qing Li, Yan-Lung Wong, Tsz-Shan Lum, Kelvin Sze-Yin Leung,* Paul K. S. Lam and Zhengtao Xu* *J. Mater. Chem. A*, 2018, 6, 14566-14570 9.931
74. Species-specific sampling of partial D-loop as a novel Non-Coding Region (NCR) in the mitochondrial genome. Runsheng Li, Xiaoliang Ren, Yu Bi, Qiutao Ding, Vincy Wing Sze Ho, Zhongying Zhao*. *DNA Research* 2018 Dec 1;25(6):577-586 5.415
75. Genomic bases of recombination suppression in the hybrid between hermaphroditic *Caenorhabditis briggsae* and gonochoristic *C. nigoni*. Xiaoliang Ren#, Runsheng Li#, Xiaolin Wei#, Yu Bi, Vincy Wing Sze Ho, Qiutao Ding, Zhihong Zhang, Chia-Ling Hsieh, Amanda Young, Jianyang Zeng*, Xiao Liu*, Zhongying Zhao*. *Nucleic Acids Res.* 2018 Feb 16;46(3):1295-1307. 11.561