

Selected Publications

More than 80 peer-reviewed articles have been published, including 37 Science Citation Indexed (SCI) international articles published as first author and/or corresponding author. The total impact factor (IF) of these SCI articles reaches 145.2, with an average of 3.92. There are 13 SCI articles with an IF>5.0, three of which were selected as Highly Cited Papers by Web of Science. I have also published two books in Chinese, 10 authorized patents, and 3 software packages.

Peer Reviewed Articles

- 【1】 **Wu Shubiao***, Pedro N. Carvalho, Jochen A. Müller, Valsa Remony Manoj, Renjie Dong. Fate and Removal Performance of Human Pathogens in Constructed Wetlands Treating Wastewaters: A Review [J]. *Science of the Total Environment*. 2016. 541: 8-22. (Impact Factor: 4.099, 5-Year Impact Factor: 4.414)
- 【2】 **Wu Shubiao**, Scott Wallace, Hans Brix, Peter Kuschk, Wesley Kipkemoi Kirui, Fabio Masi, Renjie Dong*. Treatment of Industrial Effluents in Constructed Wetlands: Challenges, Operational Strategies and Overall Performance [J]. *Environmental Pollution*, 2015. 201: 107-120. (Impact Factor: 3.902, 5-Year Impact Factor: 4.306)
- 【3】 **Wu Shubiao***, Peter Kuschk, Hans Brix, Jan Vymazal, Renjie Dong. Development of Constructed Wetlands in Performance Intensifications for Wastewater Treatment: A Nitrogen and Organic Matter Targeted Review [J]. *Water Research*, 2014, 57: 40-55 (Impact Factor: 4.655, 5-Year Impact Factor: 5.389)
- 【4】 **Wu Shubiao**, Ping Ni, Jiayi Li, Hao Sun, Yanfei Wang, Hongzhen Luo, Jacek Dach, Renjie Dong. Integrated Approach to Sustain Biogas Production in Anaerobic Digestion of Chicken Manure under Recycled Utilization of Liquid Digestate: Dynamics of Ammonium Accumulation and Mitigation Control [J]. *Bioresource Technology*. 2016. 205:75-81. (Impact Factor: 4.494, 5-Year Impact Factor: 5.330)
- 【5】 **Wu Shubiao***, Peter Kuschk, Hans Brix, Jan Vymazal, Renjie Dong. Development of Constructed Wetlands in Performance Intensifications for Wastewater Treatment: A Nitrogen and Organic Matter Targeted Review [J]. *Water Research*, 2014, 57: 40-55 (Impact Factor: 4.655, 5-Year Impact Factor: 5.389)
- 【6】 **Wu Shubiao**, Zhongbing Chen, Mareike Braeckevelt*, Eva M. Seeger, Renjie Dong, Matthias Kästner, Heidrun Paschke, Anja Hahn, Gernot Kayser, Peter Kuschk. Dynamics of Fe(II), sulphur and phosphate in pilot-scale constructed wetlands treating a sulphate-rich chlorinated hydrocarbon contaminated groundwater [J]. *Water Research*. 2012, 46:1923-1932. (Impact Factor: 4.865)
- 【7】 **Wu Shubiao**, Christina Jeschke, Renjie Dong*, Heidrun Paschke, Peter Kuschk, Kay Knöller. Sulfur transformations in pilot-scale constructed wetland treating high sulfate-containing contaminated groundwater: a stable isotope assessment [J]. *Water Research*. 2011, 45: 6688-6698. (SCI, IF=4.865)
- 【8】 Simon Kizito, **Shubiao Wu***, Simon Mondono Wandera, Luchen Guo, Renjie Dong. Evaluation of ammonium adsorption in biochar-fixed beds for treatment of anaerobically digested swine slurry: Experimental optimization and modeling [J]. *Science of the Total Environment*. 2016. 563-564: 1095-1104. (Impact Factor: 4.099, 5-Year Impact Factor: 4.414)
- 【9】 Guo Luchen, Keli He, **Shubiao Wu***, Hao Sun, Yanfei Wang, Xu Huang, Renjie Dong. Optimization of high-rate TN removal in a novel constructed wetland integrated with microelectrolysis system treating high-strength digestate supernatant. *Journal of Environmental Management*. 2016. 178: 42-51. (Impact Factor: 2.723, 5-Year Impact Factor: 3.895)
- 【10】 Wesley K. Kirui, **Shubiao Wu*** Simon Kizito, Pedro N. Carvalho, Renjie Dong. Pathways of Nitrobenzene Degradation in Horizontal Subsurface Flow Constructed Wetlands: Effect of Intermittent Aeration and Glucose Addition [J]. *Journal of Environmental Management*, 2016, 166: 38-44. (Impact Factor: 2.723, 5-Year Impact Factor: 3.895)
- 【11】 Shailendra Khatri, **Shubiao Wu***, Simon Kizito, Wanqin Zhang, Jiayi Li, Renjie Dong. Synergistic effect of alkaline pretreatment and Fe dosing on batch anaerobic digestion of maize straw[J]. *Applied Energy*. 2015. 158: 55-64. (Impact Factor: 5.613, 5-Year Impact Factor: 6.33)
- 【12】 Zuo Zhuang, **Shubiao Wu***, Xiangyang Qi, Renjie Dong. Performance enhancement of leaf vegetable waste in two-stage anaerobic systems under high organic loading rate: Role of recirculation and hydraulic retention time [J]. *Applied Energy*. 2015. 147:279-286. (Impact Factor: 5.261, 5-Year Impact Factor: 5.597)