

## 冉立山博士简况:

### 1. 教育经历

- (1) 2009.9 – 2013.8, 新加坡国立大学地理系, 哲学博士, 导师: Xixi Lu
- (2) 2006.9 – 2009.6, 中国科学院, 自然地理学, 哲学硕士, 导师: 王随继
- (3) 2002.9 – 2006.6, 兰州大学, 水文与水资源工程, 学士

### 2. 科研与学术工作经历 (按时间倒序排序)

- (1) 2016.7-至今, 香港大学, 地理系, 助理教授
- (2) 2013.8-2016.6, 新加坡国立大学, 地理系, 研究助理

### 3. 与海洋相关的研究方向

冉立山博士是一名地理及环境研究学者, 主要从事水质及水污染、碳循环和水体温室气体排放方面的研究。

### 4. 主持或参加科研项目 (不超过 5 项目) 情况 (按时间倒序排序):

- (1) 香港研究资助局, 东江流域河流碳循环及温室气体排放机理。08/2019-07/2022. 港币 558, 272 元. 主持
- (2) 香港研究资助局, 黄土高原典型流域的河流碳输移机制及 CO<sub>2</sub> 逸出研究。07/2018-06/2021. 港币 379, 652 元. 主持
- (3) 中国国家自然科学基金, 河流碳循环及其对环境因子的响应机理。01/2019-12/2021. 港币\$288, 000 元 (人民币 250, 000 元). 主持
- (4) 许爱周基金会, 东江洪水过程对河流碳输移的影响。01/2019-12/2020. 港币 100, 000 元. 主持
- (5) 香港大学科研启动基金, 黄土高原无定河流域河流碳循环机理初探。01/2017-12/2018. 港币 150, 000 元. 主持

### 5. 近 5 年内发表的 5 篇代表性论著 (\*通讯作者)

- (1) Tian M., X. Yang, **L. Ran**, Y. Su, L. Li, R. Yu, Z. Hu, X. Lu. 2019. Impact of land cover types on riverine CO<sub>2</sub> outgassing in the Yellow River Source Region. *Water*, 11, 2243; doi:10.3390/w11112243. (期刊论文)

- (2) Yang X., X. Lu, **L. Ran**, P. Tarolli. 2019. Geomorphometric assessment of the impacts of dam construction on river disconnectivity and flow regulation in the Yangtze basin. *Sustainability*, 11, 3427, doi:10.3390/su11123427. (期刊论文)
- (3) **Ran L.**, M. Tian, N. Fang, S. Wang, X. Lu, X. Yang, F. Cho. 2018. Riverine carbon export in the arid to semiarid Wuding River catchment on the Chinese Loess Plateau. *Biogeosciences*, 15, 3857-3871. (期刊论文)
- (4) Zhou Y., H.Q. Huang, **L. Ran**, C. Shi, T. Su. 2018. Hydrological controls on the evolution of the Yellow River Delta: An evaluation of the relationship since the Xiaolangdi Reservoir became fully operational. *Hydrological Processes*, 32, 3633-3649. (期刊论文)
- (5) **Ran L.**, X. Lu, N. Fang, X. Yang. 2018. Effective soil erosion control represents a significant net carbon sequestration. *Scientific Reports*, 8:1201, doi: 10.1038/s41598-018-30497-4. (期刊论文)
- (6) Park J., O.K. Nayna, M.S. Begum, E. Chea, J. Hartmann, R.G. Keil, S. Kumar, X. Lu, **L. Ran**, J.E. Richey, V. V.S.S. Sarma, S.M. Tareq, D.T. Xuan, and R. Yu. 2018. Anthropogenic perturbations to carbon fluxes in Asian river systems – concepts, emerging trends, and research challenges. *Biogeosciences*, 15, 3049-3069. (期刊论文)
- (7) **Ran L.**, L. Li, M. Tian, X. Yang, R. Yu, J. Zhao, L. Wang, X.X. Lu. 2017. Riverine CO<sub>2</sub> emissions in the Wuding River catchment on the Loess Plateau: Environmental controls and dam impoundment impact. *Journal of Geophysical Research: Biogeosciences*, 122, 1439-1455. (期刊论文)
- (8) **Ran L.**, X. X. Lu, S. Liu. 2017. Dynamics of riverine CO<sub>2</sub> in the Yangtze River fluvial network and their implications for carbon evasion. *Biogeosciences*, 14, 2183-2198. (期刊论文)
- (9) Liu S., X. Lu, X. Xia, X. Yang, **L. Ran**. 2017. Hydrological and geomorphological control on CO<sub>2</sub> outgassing from low-gradient large rivers: An example of the Yangtze River system. *Journal of Hydrology*, 550, 26-41. (期刊论文)
- (10) Liu, S., X. Lu, X. Xia, S. Zhang, **L. Ran**, X. Yang, T. Liu. 2016. Dynamic biogeochemical controls on river pCO<sub>2</sub> and recent changes under aggravating river

impoundment: an example of the subtropical Yangtze River. *Global Biogeochemical Cycles*, 30, 880-897. (期刊论文)

## 6. 论著之外的研究成果和获得学术奖励

- (1) 冉立山, 华人青年科学家杰出论文奖, 美国地球物理年会, 美国旧金山, 2014
- (2) 冉立山, 水文科学 Hydrological Synthesis Summer Institute 基金支助, 加拿大不列颠哥伦比亚大学 (06-08/2010)