

Qianqian DONG

Email: gdong@uwm.edu

Address: 3495 N Oakland Ave, Milwaukee WI 53211

Mobile: (414) 239 1652

Education

Ph.D. *Feb 2017- present*

✧ Department of Civil and Environmental Engineering, University of Wisconsin-Milwaukee

M.S. Environmental Engineering, Aquatic Pollution Ecology *Sep 2012-Mar 2014*

✧ College of Environmental Science and Engineering & UNEP-Tongji Institute of Environmental for Sustainable Development, Tongji University, Shanghai, China.

B.S. Environmental Science *Sep 2007-May 2011*

✧ Municipal and Environmental Engineering Department, Henan University of Urban Construction, Henan, China.

Research Experience

University of Wisconsin – Milwaukee: Research Assistant *Feb 2017- Present*

- Treatment of legacy and emerging fluoroalkyl contaminants in groundwater with integrated approaches: rapid and regenerable adsorption and UV-induced defluorination
- Ultra-sensitive novel Graphene-Based Transistor Sensors for orthophosphate ions detection
- The impact of ion-exchange membranes on lead removal by capacitive deionization (CDI) technology

Tongji University: Research Assistant *Dec 2011-Dec 2013*

- Behavior and Effects of Dissolved Organic Matter (DOM) Driven by Eutrophication in River Plume Zones (*National Natural Science Foundation of China*).
- Development of an Environmental Specimen Bank in the Yangtze River Delta and Study on the Spatial Distribution of Typical Pollutants (Fundamental Research Funds for the Central Universities).

Henan University of Urban Construction: Research Assistant *Oct 2010-May 2011*

- Preparation and Performance Study of Floating Magnetic TiO₂ Photo Catalyst

Publications

- Huang, Xingkang, Xiaoru Guo, **Qianqian Dong**, Lianjun Liu, Rebecca Tallon, and Junhong Chen. "Zero-Wastewater Capacitive Deionization: Selective Removal of Heavy Metal Ions in Tap Water Assisted by Phosphate Ions." *Environmental Science: Nano* (2019).
- Ren Ren, Huilei Zhao, Xiaoyu Sui, Xiaoru Guo, Xingkang Huang, Yale Wang, **Qianqian Dong**, Junhong Chen. *Exfoliated Molybdenum Disulfide Encapsulated in a Metal Organic Framework for Enhanced Photocatalytic Hydrogen Evolution*, *Catalysts* (2019)

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- **Qianqian Dong**, Xiaoru Guo, Xingkang Huang, Lianjun Liu, Rebecca Tallon, Bruce Taylor, and Junhong Chen. *Selective removal of lead ions through capacitive deionization: Role of ion-exchange membrane*. Chemical Engineering Journal (2018).
- **Qianqian Dong**, Feng Wang, Yihua Xiao, Penghui Li, and Qinghui Huang. *Effects of elevated production of autochthonous dissolved organic matter on the freely dissolved concentration of cadmium*. Environmental Science: Processes & Impacts (2018).
- **Qianqian Dong**, Penghui Li, Qinghui Huang, Ahmed A. Abdelhafez, Ling Chen. *Occurrence, Polarity and Bioavailability of Dissolved Organic Matter in the Huangpu River, China*. Journal of Environmental Science, 2014, 26: [DOI: 10.1016/j.jes.2014.06.020].
- **Qianqian Dong**, Ai Zhang, Yongmei Li, Ling Chen, Qinghui Huang. *Linking Optical Properties of Dissolved Organic Matter with NDMA Formation Potential in the Huangpu River*. Environmental Science, 2014, 35(3).

Poster & Presentations

- Emerging Contaminants Short Course
- 2019 AIPG WI Workshop - PFAS: Life Cycle, Regulations & Solutions
- 257th ACS National Meeting and Exposition talk “Functionalized mineral adsorbents for the removal of perfluorinated chemicals”

Awards and Honors

- ✧ Graduate Student Travel Award of UWM (Mar. 2019)
- ✧ Academic Excellence Award – Central State Water Environment Association (Apr. 2019)
- ✧ Chancellor Award – University of Wisconsin-Milwaukee (Feb. 2017, May 2018);
- ✧ National Scholarship: Ministry of Education, China (Jan. 2009);
- ✧ Tongji University Full tuition scholarship (Sep. 2011);
- ✧ Italian Governmental Scholarship (Feb. 2013).