Yuan Gao

Email: gaoyuansunny@163.com

Education

Ph.D.	Municipal Engineering	2014–2019
	School of Environment, Harbin Institute of Technology, China.	
M.Eng	Municipal Engineering	2012-2014
	School of Environment, Harbin Institute of Technology, China.	
B.Eng.	Municipal Engineering	2007-2011
	School of Ecology and Environment, Zheng Zhou University, China.	

Professional Experience

Lecturer	Guangdong University of Technology, China	2021-present
postdoctoral fellow	Guangdong University of Technology, China	2019-2021

Publications

- Yuan Gao, Wenxia Fan, Zhong Zhang, Yang Zhou, Zhu Zeng, Kai Yan, Jun Ma, Khalil Hanna. Transformation mechanisms of iopamidol by iron/sulfite systems: Involvement of multiple reactive species and efficiency in real water. *Journal of Hazardous Materials*, 2022, 426, 128114
- Yuan Gao, Yang Zhou, Su-Yan Pang, Jin Jiang, Yong-Ming Shen, Yang Song, Jie-Bin Duan, Qin Guo. Enhanced peroxymonosulfate activation via complexed Mn(II): A novel non-radical oxidation mechanism involving manganese intermediates. *Water Research*, 2021, 193: 116856.
- Yuan Gao, Han-Ping Pan, Yang Zhou, Zhen Wang, Su-Yan Pang, Chao-Ting Guan, Yong-Ming Shen, Jin Jiang. Are Free Radicals Actually Responsible for Enhanced Oxidation of Contaminants by Cr(VI) in the Presence of Bisulfite? *Chemosphere*, 2020, 248, 126000
- 4. **Yuan Gao**, Yang Zhou, Su-Yan Pang, Zhen Wang, Yong-Ming Shen, Jin Jiang Quantitative Evaluation of Relative Contribution of High-Valent Iron Species and Sulfate Radical in Fe(VI) Enhanced Oxidation Processes via Sulfur Reducing Agents Activation. *Chemical Engineering Journal*. 2020, 387, 124077
- Qin Guo, Yang Zhou, Su-Yan Pang, Yuan Gao, Jiebin Duan, Juan Li, Jin Jiang, Transformation and detoxification of sulfamethoxazole by permanganate (Mn(VII)) in the presence of phenolic humic constituents. *Chemical Engineering Journal*. 2020, 413, 127534
- 6. Su-Yan Pang, Jie-Bin Duan, Yang Zhou, **Yuan Gao**, Jiang Jin. Oxidation Kinetics of Anilines by Aqueous Permanganate and Effects of Manganese Products: Comparison to

Phenols. Chemosphere, 2019, 235, 104-112.

- Yuan Gao, Yang Zhou, Su-Yan Pang, Jin Jiang, Zhifeng Yang, Yongming Shen, Zhen Wang, Pan-Xin Wang, Li-Hong Wang. New Insights into the Combination of Permanganate and Bisulfite as a Novel Advanced Oxidation Process: Importance of High Valent Manganese-Oxo Species and Sulfate Radical. *Environmental Science & Technology*, 2019, 53 (7), 3689-3696.
- Yuan Gao, Jin Jiang, Yang Zhou, Su-Yan Pang, Chengchun Jiang, Qin Guo, Jie-Bin Duan. Does Soluble Mn(III) Oxidant Formed in Situ Account for Enhanced Transformation of Triclosan by Mn(VII) in the Presence of Ligands? *Environmental Science & Technology*, 2018, 52 (8), 4785-4793
- Yuan Gao, Jin Jiang, Yang Zhou, Su-Yan Pang, Jun Ma, Cheng-Chun Jiang, Yue Yang, Zhuang-Song Huang, Jia Gu, Qin Guo, Jie-Bin Duan, Juan Li. Chlorination of Bisphenol S: Kinetics, Products, and Effect of Humic Acid. *Water Research*, 2018, 131, 1318-217
- Yuan Gao, Jin Jiang, Yang Zhou, Su-Yan Pang, Jun Ma, Cheng-Chun Jiang, Zhen Wang, Pan-Xin Wang, Li-Hong Wang, Juan Li. Unrecognized Role of Bisulfite as Mn(III) Stabilizing Agent in Activating Permanganate (Mn(VII)) for Enhanced Degradation Of Organic Contaminants. *Chemical Engineering Journal*. 2017, 327, 418-422.
- 11. Yuan Gao, Su-Yan Pang, Jiang Jin, Jun Ma, Yang Zhou, Juan Li, Li-Hong Wang, Xue-Ting Lu, Li-Peng Yuan. Transformation of Flame Retardant Tetrabromobisphenol A by Aqueous Chlorine and the Effect of Humic Acid. *Environmental Science & Technology*. 2016, 50 (17), 9608-9618.

Awards & Scholarships

2016	NT / 1	0 1 1 1
2016	National	Scholarship.

- 2014 National Scholarship.
- 2014 Outstanding Master Thesis Award, Harbin Institute of Technology.
- 2014 Excellent Mater Award, Harbin Institute of Technology.