



## Profile

1992/09-1996/07, bachelor, Department of Applied Chemistry, Shanghai Jiaotong University, major in Applied Chemistry

1996/09-1998/10, master, Department of Applied Chemistry, Shanghai Jiaotong University, majoring in Environmental Chemistry

1998/11-2001/04, Ph.D., Michigan Technological University, Environmental Engineering

2001.04-2003.06, postdoctoral, Institute of paper science and technology

2003.07-2004.02, Research Scientist, Georgia Institute of Technology

2004.02-2009.10, associate professor, School of Environmental Science and Engineering, Shanghai Jiaotong University

2009.10-present, Professor, East China University of Science and Technology, School of Resource and Environmental Engineering.

## Research Field

Catalytic control of industrial waste gas pollution;

Electrochemical catalytic degradation of pollutants.

## Research results and selected published papers

- In 2006, received funding from the Ministry of education's "new century talents" program
- In 2013, received funding from the "shuguang scholars" program of Shanghai
- General project of National Natural Science Foundation of China, 21277045, research on recycling desulfurization alkali residue based on solar photovoltaic electrolysis, 2013/01-2016/12, 800000 yuan, completed, presided over
- General program of NSFC, 21177037, polarization regulation mechanism of amorphous mesoporous iridium dioxide membrane electrode, 2012/01-2015/12, 620000 yuan, completed, presided over
- General program of National Natural Science Foundation of China, 20777050, research on degradation of organic halides (HOCs) by separated strong diffusion PRB, 2008/01-2010/12, 280000 yuan, completed, presided over
- Youth fund of National Natural Science Foundation of China, 20507014, optimization and regulation mechanism of degradation process of volatile organic compounds by high-efficiency solid-state extraction bipolar electrocatalytic oxidation, 2006/01-2008/12, 260000 yuan, completed, presided over
- Chenglei Yang, Ying Hu, Limei Cao, Ji Yang. Circulating regeneration and resource recovery of flue gas desulfurization residuals using a membrane electroreactor: From lab concept to commercial scale. Environmental Science & Technology, 46(20): 11273-11279, 2012
- Ji Yang, Yufeng Chen, Limei Cao, Yuling Guo, Jinping Jia. Development and Field-scale Optimization of a Honeycomb Zeolite Rotor Concentrator/Regenerative Oxidizer for the Abatement of Volatile Organic Carbons from Semi-conductor Industry. Environmental Science & Technology. 46:441-446, 2012
- Ji Yang, Jun Wang, Jinping Jia. Improvement of electrochemical wastewater treatment through mass transfer in seepage carbon nano-tube electrode (SCNE) reactor. Environmental Science & Technology. 43: 3796-3802, 2009
- Zhemin Shen, Ji Yang, Xiaofang Hu, Yangming Lei, Xiuling Ji, Jinpin Jia, Wenhua Wang. Dual Electrodes Oxidation of Dye Wastewater with Gas Diffusion Cathode. Environmental Science & Technology. 39:1819-1826, 2005.
- Yang J, Hand DW, Hokanson DR, Crittenden JC. Application of an Isothermal, Three-Phase Catalytic Reactor Model to Predict Unsteady-State Fixed-Bed Performance. Environmental Science & Technology. 37:428-436, 2003. (EI, SCI)
- Yang Ji, Jia Jinping, Wang Yalin, You Weisong. Treatment of Cooking Oil Fume by Low Temperature Catalysis. Applied Catalysis B, Environmental. 58 (1-2): 123-131 2005