

PERSONAL:

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**EDUCATION:**

1996-1999 College of Resources and Environmental Sciences, Nanjing Agricultural University, Ph.D;
1993-1996 College of Resources and Environmental Sciences, Nanjing Agricultural University, Master Degree;
1979-1983 Department of Chemistry, Wuhan University, Bachelor's Degree.

ACADEMIC CAREER:

2002-present College of Sciences, Nanjing Agricultural University, Professor;
1995-2002 College of Sciences, Nanjing Agricultural University, Associate Professor;
1989-1994 College of Sciences, Nanjing Agricultural University, Lecturer;
1983-1989 College of Sciences, Nanjing Agricultural University, Assistant;

2010.6-2010.9 Old Dominion University (USA), Cooperation Research;
2009.6-2009.9 University of Missouri-Columbia (USA), Cooperation Research;
2007.7-2008.1 Old Dominion University (USA), Cooperation Research;
2000.7-2001.7 New Mexico Mining Technology College (USA), Cooperation Research.

PROJECTS:

- (6). New technology and mechanism of biomineralization of acid mine drainage containing heavy metals (National Science Foundation of China, Key general program; Time: 2017-2021; Subproject Principal; Expenditure: ¥400,000).
- (5). Research on the degradation of organic pollutants by persulfate activated with zinc and its degradation mechanism (National Science Foundation of China; Time: 2014-2015; Project Principal; Expenditure: ¥450,000).
- (4). The removal mechanism, effect and regulation of toxic metal in acid mine drainage by

biogenic minerals (National Science Foundation of China; Time: 2010-2014; Subproject Principal; Expenditure: ¥200,000).

(3). Photocatalytic oxidation mechanism of Cr(III)-organic acids complexes (National Science Foundation of China; Time: 2009-2009; Project Principal; Expenditure: ¥10,000

- of Congo Red by Sodium Persulfate Activated with Zero-Valent Zinc. *Water Air Soil Pollut.* **2014**, 225, 2121.
- (20) Ying Li, Chao Qin, Jing Zhang, **Yeqing Lan**^{*}, Lixiang Zhou. Cu(II) catalytic reduction of Cr(VI) by tartaric acid under the irradiation of simulated solar light. *Environmental Engineering Science.* **2014**, 31(8). 447-452.
- (19) Jing Zhang, Ruimin Wang, Xiaoyan Cao, Ying Li, **Yeqing Lan**^{*}. Preparation and characterization of activated carbons from peanut shell and rice bran and a comparative study for Cr(VI) removal from aqueous solution. *Water, Air, Soil & Pollution.* **2014**, 225, 2032.
- (18) Feng Yang, Hui Li, Jing Zhang, **Yeqing Lan**^{*}. Photoredox of Cr(III)–Malate Complex and Its Impacting factors. *Water, Air & Soil Pollution.* **2014**, 225, 1875.
- (17) Hui Li, Jing Guo, Lijiao Yang, **Yeqing Lan**^{*}. Degradation of methyl orange by sodium persulfate activated with zero-valent zinc. *Separation and purification Technology.* **2014**, 132,168–173
- (16) Feng Yang, Jing Guo, Runan Dai, **Yeqing Lan**^{*}. Oxidation of Cr(III)-citrate/tartrate complexes by δ -MnO₂: Production of Cr(VI) and its impact factors. *Geoderma.* **2014**, 213, 10–14.
- (15) Changyuan Yu, Jing Zhang, Xiaolei Wu, **Yeqing Lan**^{*}, Lixiang Zhou. Cr(VI) removal by biogenic schwertmannite in continuous flow column. *Geochemical Journal.* **2014**, 47, 1–7.
- (14) Na Chena, **Yeqing Lan**, Bo Wang, Jingdong Mao. Reduction of Cr (VI) by organic acids in the presence of Al (III). *Journal of Hazardous Materials.* **2013**, 260, 150– 156.
- (13) Jing Guo, Ying Li, Runan Dai, **Yeqing Lan**^{*}. Rapid reduction of Cr(VI) coupling with efficient removal of total chromium in the coexistence of Zn(0) and silica gel. *Journal of Hazardous Materials.* **2012**, 243, 265– 271.
- (12) Peng Zhou, Ying Li, Yuxiao Shen, **Yeqing Lan**^{*}, Lixiang Zhou. Facilitating role of biogenetic schwertmannite in the reduction of Cr(VI) by sulfide and its mechanism. *Journal of Hazardous Materials.* **2012**, 237–238, 194– 198.
- (11) Danjun Jiang, Ying Li, Yong Wu, Pei Zhou, **Yeqing Lan**^{*}, Lixiang Zhou. Photocatalytic reduction of Cr(VI) by small molecular weight organic acids over schwertmannite. *Chemosphere.* **2012**, 89, 832–837.
- (10) Yong Wu, Jing Guo, Danjun Jiang, Pei Zhou, **Yeqing Lan**^{*}, Lixiang Zhou. Heterogeneous photocatalytic degradation of methyl orange in schwertmannite/oxalate suspension under UV irradiation. *Environmental Science Pollution Research.* **2012**, 19, 2313–2320.
- (9) Jing Guo, Danjun Jiang, Yong Wu, Pei Zhou, **Yeqing Lan**^{*}. Degradation of methyl orange by Zn(0) assisted with silica gel. *Journal of Hazardous Materials.* **2011**, 194, 290–296.

- (8) XinHua Cao, Jing Guo, Jingdong Mao, **Yeqing Lan***. Adsorption and mobility of Cr(III)–organic acid complexes in soils. *Journal of Hazardous Materials*. **2011**, 192, 1533-1538.
- (7) Runan Dai, Changyuan Yu, Jing Gou, **Yeqing Lan***, Jingdong Mao. Photoredox pathways of Cr(III)-tartrate complexes and their impacting factors. *Journal of Hazardous Materials*. **2011**, 186, 2111-2116.
- (6) Xianlan Zhang, Baolin Deng, Jing Guo, Yang Wang, **Yeqing Lan***. Ligand-assisted degradation of carbon tetrachloride by microscale zero-valent iron. *Journal of Environmental Management*. **2011**, 92, 1328-1333.
- (5) Jing Guo, Yanyan Du, **Yeqing Lan***, Jingdong Mao. Photodegradation mechanism and kinetics of methyl orange catalyzed by Fe (III) and citric acid. *Journal of Hazardous Materials*. **2011**, 186, 2083-2088.
- (4) Xianchao Gao, Feng Yang, **Yeqing Lan***, J.-D. Mao, Xinyan Duan. Rapid degradation of carbon tetrachloride by commercial micro-scale zinc powder assisted by citric acid. *Environmental Chemistry Letters*. **2011**, 9, 431-438.
- (3) Xiaofang Tian, Xianchao Gao, Feng Yang, **Yeqing Lan***, J-D Mao, Lixiang Zhou. Catalytic role of soils in the transformation of Cr(VI) to Cr(III) in the presence of organic acids containing α -OH groups. *Geoderma*. **2010**, 159, 270-275.
- (2) Runan Dai, Changyuan Yu, Jing Liu, **Yeqing Lan***, and Baolin Deng. Photo-oxidation of Cr(III)-citrate complexes forms harmful Cr(VI). *Environmental Science and Technology*. **2010**, 44, 6959-6964.
- (1) Jingdong Mao, Xiaowen Fang, **Yeqing Lan**, Arndt Schimmelmann, Maria Mastalerz, Ling Xu, Klaus Schmidt-Rohr. Chemical and nanometer-scale structure of kerogen and its change during thermal maturation investigated by advanced solid-state ^{13}C NMR spectroscopy. *Geochimica et Cosmochimica Acta*. **2010**, 74, 2110–2127.

TEXTBOOKS COMPILATION :

- (4) Inorganic and Analytical Chemistry (Chief Editor, Textbook of the 10th five-year plan, Ministry of Agriculture of China). China Agriculture Press, Beijing, **2005** (in Chinese).
- (3) Inorganic and Analytical Chemistry (Chief Editor, Textbook of the 11th five-year plan, Ministry of Agriculture of China). China Agriculture Press, Beijing, **2009** (in Chinese).
- (2) Inorganic Chemistry (Chief Editor, Textbook of the 11th five-year plan, Ministry of Agriculture of China). China Agriculture Press, Beijing, **2009** (in Chinese).
- (1) Inorganic and Analytical Chemistry (Chief Editor, Textbook of the 12th five-year plan, Ministry of Agriculture of China). China Agriculture Press, Beijing, **2014** (in Chinese).

