

RESUME

Personal information

Name: Ruochen Zhu

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EDUCATION

Carnegie Mellon University	September 2012 – December 2013
Major: Civil and Environmental Engineering	GPA: 3.77/4.00
Anhui University	September 2008 – July 2012
Major: Environmental Science	GPA: 3.82/4.00

RESEARCH EXPERIENCE

11/15/2014-04/15/2015 Research in the University of Pittsburgh

- Worked as a research assistant focusing on the electrochemical degradation of methylene blue in the laboratory led by Professor Di Gao of the department of Chemical and Petroleum Engineering

08/2011-05/2012 Research at the Environmental Engineering Laboratory of USTC

- Participated in and contributed to the project of *Shewanella* aiming at finding a new strategy for renewable energy in Environmental Engineering Laboratory led by Prof. Hanqing Yu of University of Science and Technology of China
- Isolated the Se-reduction deficient mutants and studied the electricity-producing characteristics of five bacteria, including Se(IV) reduction-deficient mutants of *Shewanella* with the operation of the microbial fuel cell

03/2010-12/2010 National Project of Water Pollution Control and Management

- Worked in the subproject to detect the amount of polycyclic aromatic hydrocarbons, PAHs of surface runoff with SPE- GC/MS
- Tested conventional indexes (including COD, the amount of N and P) of surface water and rainfall

12/2009-12/2010 National Undergraduate Innovative Experiment

- Took responsibility of the selection and identification of novel β -Glycosidase
- After importing different genetic fragments, selected β -glycosidase enzymes with tolerance of glucose

AWARDS& ACTIVITIES

- 12/2010 Excellent Student
- 11/2010 National Excellent Student Scholarship
- 12/2009 Excellent Learning Prize
- 12/2009 Excellent Student