
Zhiping Ye

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Education

2014.02 – Now **Ghent university and Lille University of Science and Technology**

- Joint PhD (Applied physics doctoral degree and Catalyst chemistry doctoral degree)

Research: plasma-catalyst applied on VOCs control, including: Catalyst preparation and Plasma application.

Sep.2010 – Jun 2013 **Zhejiang University, China: Master (Engineering)**

- Major in Environmental Science

Sep.2006 - Jul.2010 **Zhengzhou University, China: Bachelor (Engineering)**

- Major in Environmental Science

Research Achievement

- A novel dielectric barrier discharge reactor with photocatalytic electrode based on sintered metal fibers for abatement of xylene, J Hazard Mater, (Published) **First Author**
- The in-depth investigation of packed glass beads DBD reactor on toluene decomposition, Ind. Eng. Chem. Res. (Accepted) **First Author**
- Influence of the preparation method on the activity of copper-manganese oxides for toluene total oxidation, Appl. Catal., B. (Accepted) **First Author**
- Synthesis and catalytic performances of K-OMS-2, Fe/K-OMS-2 and Fe-K-OMS-2 in post plasma-catalysis for dilute TCE abatement, Catal. Today (Accepted) **Second Author**
- Patent: A kind of plasma-catalytic equipment for air pollution. (Accepted) **Second Author**
- Patent: A method for preparing metal fiber catalyst, an equipment combining catalyst and plasma technology (Accepted) **Second Author**
- Treatment of exhaust gas from spray paint process with plasma-photocatalytic method, J.Zhejiang Univ. Sci. A (Accepted) **Third Author**
- Plasma-assisted catalytic decomposition of paint exhaust with Nano-TiO₂/SMF Chemical Journal of Chinese universities (Accepted) **Third Author**
- Comparison and selection of carriers for De-NO_x catalyst in fuel gas Chemical Journal of Chinese universities (Accepted) **Third Author**
- Wipe out of stench from landfill leachate by non-thermal plasma combined with blow-off. CIESC Journal (Published) **Third Author**

Personal Experience

June,2013 –Jan.2014 **Zhejiang Energy Group Jiahua power Co., LTD**

Internship

- As an intern in Jiaxing Power Plant for half year, Learning the power generation process and pollution control

Mar.2012-Sep.2012 **Electrostatic precipitator renovation project of Zhejiang Energy Group Huaizhe coal power Co., LTD**

Performer

- Project application, detection and analysis, investigation and planning, writing summary report

Mar.2012-Oct.2012 **pollution control and plant planning of Zhejiang Jiefeng Sludge brickmaking environmental protection Co., LTD** Performer

- Project application, detection and analysis, investigation and planning, writing feasibility report

Oct.2010-Jul.2011 **The waste gas treatment project of Jiashan Huayue wooden products Co.Ltd**

Performer

- Application, design, installation, debugging, acceptance tests.(5000 m³/h)

Mar.2011-Dec.2011 **Hangzhou Sanhe Environmental protection Co.Ltd**

Assistant of senior engineer in the Dept. of Technology (part-time)

- Acid mist treatment renovation project of Taiyuan Iron and Steel Co.ltd (60000 m³/h);
- The abatement of H₂S by tanning method in Hangzhou Fuchunjiang industry limited company (8000 m³/h);
- The abatement of NO_x by SNCR method in Wuyi Sanmei chemical industry (25t/d stoker feed boiler).

Jan.2011-Jul.2011 **National Forestry Industry Research Special Funds for public welfare projects**

Performer

- Participated in the application of Forestry Industry Research Special Funds for public welfare projects on the research of mechanized composite door and environmental coating technology

Nov.2011 **International symposium on Fixing the New Interdisciplinary Science and Educational System for the Life and Environment in Japan** Participant

- Included an academic paper “decomposition of xylene from painting waste gas by dielectric barrier discharge–SMF catalyst hybrid system”

Sep.2012 **International symposium on Plasma Science and Technology for Environmental Application**

Oral Presentation

- “A novel dielectric barrier discharge reactor with photocatalytic electrode based on sintered metal fibers for xylene abatement”

Nov.2014 **FEA Research Symposium**

Poster Presentation

- “Synergetic effect for the removal of toluene by combining non-thermal plasma with KMnO₈O₁₆ catalyst”

Aug.2016 **International Workshop on Plasmas for Energy and Environmental Application** Oral Presentation

- “Humidity effect on toluene decomposition in air in a glass beads packed bed DBD reactor

Awards

- First Prize Graduate Student Scholarship (15%, 2012)
- Merit graduate student (15%, 2012)
- Excellent Staff of Zhejiang University graduate union (15%, 2011)
- Excellent Student Leader (5%, 2007-2009)
- National Encouragement Scholarship (5%, 2008)

Skills & Interests

- **Language:** Fluent in oral English, and be good at writing in English, and basic French communication.
- **Analysis Techniques:** FT-IR, GC-MS, Optical emission spectroscopy, and familiar with the use of catalyst characterization techniques
- **Computer Skill:** National Computer Test Level II (Visual Basic, China). National Computer Test Level III (Network technology, China). Proficiency of office software, Auto CAD drawing software, Origin data analysis software.
- **Interests:** basketball (player of college); swim (winter swimming for three years).