Ping Li

Department: School of Chemical Engineering
Professional field: Chemical Engineering and Technology
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Profile

Education background:

1998 / 09-2003 / 07, industrial catalysis Institute, East China University of science and technology, Ph.D., industrial catalysis

1986 / 09-1989 / 07, East China University of science and technology, Institute of industrial catalysis, industrial catalysis, master of Engineering

1982 / 09-1986 / 07, Department of energy and chemical engineering, East China University of science and technology, basic organic chemical engineering, Bachelor of Engineering

Work experience:

2007 / 09-present, Professor, State Key Laboratory of chemical engineering, East China University of science and technology

2003 / 09-2007 / 09, associate professor, State Key Laboratory of chemical engineering, East China University of science and technology

1996 / 09-2003 / 09, associate professor, Institute of industrial catalysis, East China University of science and technology

1991 / 09-1996 / 09, lecturer, Institute of industrial catalysis, East China University of science and technology

1989 / 09-1991 / 09, assistant professor, Institute of industrial catalysis, East China University of science and technology

January 2014 to February 2014, SLAC of Stanford University, senior visiting scholar

2007 / 09-2007 / 11, senior visiting scholar, Department of chemical engineering, Norwegian University of science and technology

1995 / 06-1996 / 05, visiting scholar, research center, Hong Kong University of science and technology

Research Field

1. Catalytic reaction process of energy and environment

The preparation and storage of hydrogen, and the design and preparation of catalyst for hydrogen purification in hydrogen fuel cell system.

Catalytic conversion and purification of toxic and harmful substances in natural gas and industrial waste gas, as well as the design and preparation of related catalysts.

2. Catalyst Engineering

The development of nano catalyst with graded structure and the engineering forming technology of nano catalyst.

3. Nano carbon based catalytic materials

The preparation technology and theoretical research of controllable structure nano carbon; the preparation technology and Application Research of precious metal / nano carbon catalyst; other application development of nano carbon.

Research results and selected published papers

1. Hui Su,Yuyang Li, Ping Li,Yongxiu Chen, Zhizhi Zhang, Xiangchen Fang. Simultaneous recovery of carbon and sulfur resources from reduction of CO2 with H2S using catalysts. Journal of Energy Chemistry 25 (2016) 110-116.

2. Xing Li, Yongxiao Tuo, Hao Jiang, Xuezhi Duan, Xinhai Yu, Ping Li. Engineering Pt/carbon-nanofibers/carbon-paper composite towards highly efficient catalyst for hydrogen evolution from liquid organic hydride. International Journal of Hydrogen Energy 40 (2015) 12217 -12226.

3. Xing Li, Yongxiao Tuo, Ping Li, Xuezhi Duan, Hao Jiang, Xinggui Zhou. Effects of carbon support on microwave-assisted catalytic dehydrogenation of decalin. Carbon 67 (2014) 775-783.

4. Ruidan Liu, Yian Zhu, Zhijun Sui, Hong Wang, Ping Li, Xinggui Zhou. Support effects on catalytic performance for selective combustion of hydrogen in the presence of propene. Fuel Processing Technology 108 (2013) 82-88.

5. Tongmin Cui, Ping Li, Yi Liu, Jingxing Feng, Mengmeng Xu, Mei Wang. Preparation of thermostable electroconductive composite plates from expanded graphite and polyimide. Materials Chemistry and Physics 134 (2012) 1160-1166.