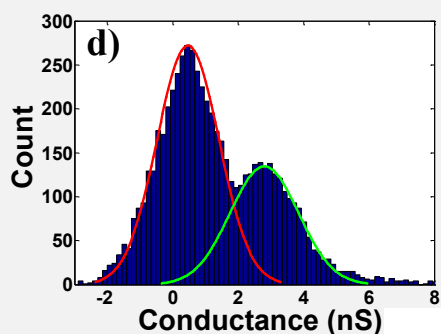
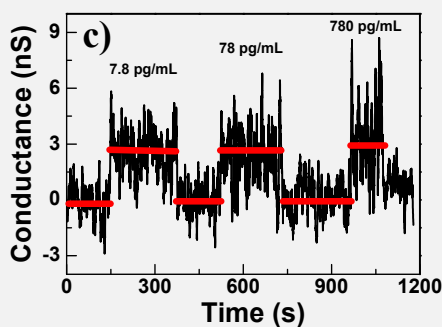
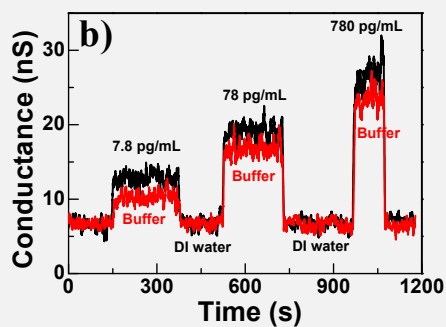
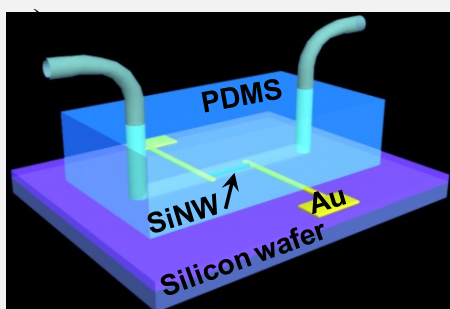


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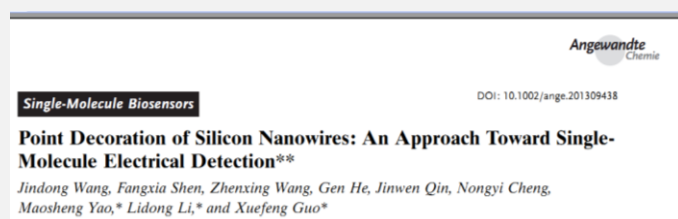
北京大学生物气溶
胶实验室

Beijing, China

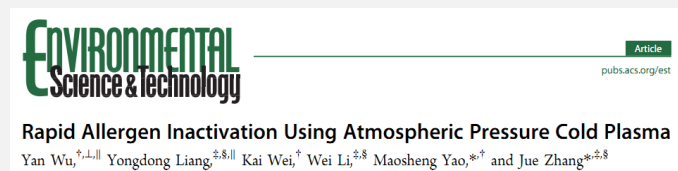
Scientific Publications

1. Jindong Wang, Fangxia Shen#(co-first author), Zhenxing Wang, Gen He, Jinwen Qin, Nongyi Cheng, Maosheng Yao*, Lidong Li*, and Xuefeng Guo* (2014), **Point decoration of silicon nanowires: An approach toward single-molecule electrical detection**, *Angewandte Chemie International Edition*, DOI:

<http://onlinelibrary.wiley.com/doi/10.1002/ange.201309438>. (IF: 13.7) [one of the highest impact chemistry journals]



2. Yan Wu#, Yongdong Liang, Kai Wei, Wei Li, Maosheng Yao*, and Jue Zhang* (2014), **Rapid Allergen Inactivation Using Atmospheric Pressure Cold Plasma**, *Environmental Science and Technology*, 48 (5):2901–2909. (IF: 5.2)



3. Kai Wei#, Zhuanglei Zou, and Maosheng Yao*(2014), **Charge Levels and Gram (+/-) Fractions of Environmental Bacterial Aerosols**, *Journal of Aerosol Science*, Accepted (DOI: 10.1016/j.jaerosci.2014.04.002) (IF: 2.68)

4. Jing Li#, Qi Chen, Xinyue Li and Maosheng Yao*(2014), **Rapid Point-of-Use Water Purification Using Nanoscale Zero Valent Iron (nZVI) Particles**, *Chinese Science Bulletin*, Accepted. (IF: 1.4)

5. Currently, five manuscripts are under review/preparation. We are expecting a number of significant papers to come out soon.

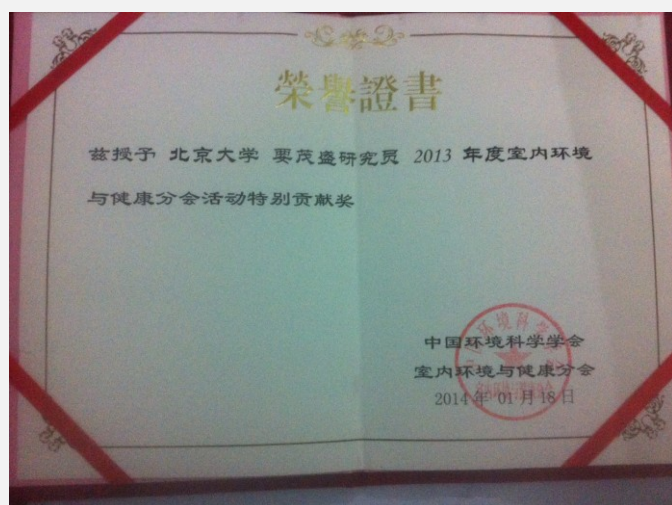
Academic Honors

1. Prof. Maosheng Yao was awarded the **guest Professorship by State Key Laboratory of Pathogen and Biosecurity, People's Liberation Army (PLA) Academy of Military Medical Sciences**. The Academy is the most authoritative research institute for People's Liberation Army (<http://www.bmi.ac.cn/>).



The certificate of guest Professorship

2. Prof. Yao was awarded **Special Award for Contribution to Indoor Environment and Health Activities by Chinese Society of Environmental Sciences on Jan 18, 2014**.



The certificate for the award

3. Our work has been highlighted as **one of the four key scientific advances** for the year of 2013 at an annual summary meeting of **State Key Joint Laboratory of Environmental Simulation and Pollution Control** held at Tsinghua University on March 31, 2014. A number of prominent scientists in environmental field from the country attended the meeting. Many thanks to the lab director for selecting us, and also thanks to our group members for their hard work! Congrats! And keep up with the great work!



Showcase of our work at the meeting!

4. Graduate students Fangxia Shen and Mingzhen Li were offered great jobs in Germany and Shanghai, respectively. PhD student Fangxia Shen (soon to be Dr. Shen) was offered a prestigious postdoc position at Max Planck Institute of Chemistry, Germany and she will start her position in July 2014. Master student Mingzhen Li was offered a highly competitive job in a state owned enterprise in Shanghai. Congrats to them!

Grants

1. Our lab has submitted three grants: 1 NSFC general grant, 1 NSFC outstanding youth grant, and 1 NSFC key grant. In addition, we are also participating in several grant applications including “973” project.

Academic Conferences

1. Prof. Yao was invited to give a talk entitled “Indoor Air Quality and Bioaerosols” at International Symposium of World Air Day to be held on October 22, 2014 in Seoul, Korea. In addition, our lab was also scheduled for two platform talks at Aerosol Technology 2014, 16 - 18 June 2014, Karlsruhe, Germany. In addition, we are also planning to attend Indoor Air in Hong Kong and International Aerosol Conference in Korea.

Other Selected Scientific Activities

1. Prof. Yao was nominated for an international aerosol award for 2014.

2. Our lab has acquired the PE-CVD (plasma enhanced chemical vapor deposition) equipment for growing a range of nanomaterials.



Growing silicon nanowire in our lab!

Student News

1. Graduate student Fangxia Shen has successfully passed the doctoral dissertation pre-defense, and congrats to Fangxia!

2. Kai Wei's first paper was accepted by Journal of Aerosol Science for publication, and

congrats! Congrats to Fangxia and Jing Li for their good papers! Fangxia has already published 6 journal papers including **Angewandte Chemie International Edition** (IF: 13.7), **Nano Letter** (IF: 13.2) and **Environmental Science and Technology**(IF: 5.2)!

3. Welcome two new graduate students to our bioaerosol lab at Peking University: Xiangyu Zhang (PhD student) from China Oceanic University and Caijia Xu (Master student) from Peking University.



Caijia Xu (Master student in Fall04)



Xiangyu Zhang (PhD student in Fall04)

Academic & Social Gatherings

1. Group members celebrate Dr. Yao's birthday and many thanks for their kind heart for the preparation!



Bioaerosol group at Peking University for celebrating Dr. Yao birthday!

2. Our former PhD student Yan Wu's meal treat!



Dr. Yan Wu flied back from Singapore to Beijing to treat bioaerosol group members a great meal! Thanks to Wu Yan for expressing the gratitude to the lab! Keep up with the great work and look forward to more success stories from you!

This quarterly PKU-BLB was prepared by bioaerosol laboratory at Peking University. Our next issue is expected to be in **August 2014**. For other information, please visit our laboratory web site: <http://openwetware.org/wiki/Yao-lab>. All contents contained in this document are copyrighted and explained by PKU Bioaerosol Laboratory.