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**Education**

2009/09-2014/06 **Ph.D. Materials Science & Engineering, Tsinghua University, Beijing, China**

2005/09-2009/06 **B.S. Materials Processing & Control Engineering**

 **Huazhong University of Science & Technology, Wuhan, China**

**Academic Career**

Current **Research Associate. Dept. of Elect. & Comp. Engr., University of Nebraska-Lincoln**

2017/02-2018/02 **Research Associate. Dept. of Elect. & Comp. Engr., University of Virginia**

2014/07-2017/01 **Postdoctor. Dept. of Precision Instrument, Tsinghua University, Beijing**

**Journal Publications**

[1] **P. Fan**, B. Bai, M. Zhong, H. Zhang, J. Long, J. Han, W. Wang, and G. Jin, “General Strategy toward Dual-Scale-Controlled Metallic Micro-Nano Hybrid Structures with Ultralow Reflectance”, ***ACS Nano***, 2017, 11, 7401-7408.

[2] **P. Fan**, B. Bai, J. Long, D. Jiang, G. Jin, H. Zhang, and M. Zhong, “Broadband high-performance infrared antireflection nanowires facilely grown on ultrafast laser structured Cu surface”, ***Nano Letters***,2015, 15, 5988-5994.

[3] G. Ou#, **P. Fan**#, H. Zhang, W. Yu, H. Wei, M. Zhong, and H. Wu, “Large-scale hierarchical oxide nanostructures for high-performance electrocatalytic water splitting”, ***Nano Energy***, 2017, 35, 207-214.

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[5] M. Cai#, **P. Fan**#, J. Long, J. Han, Y. Lin, H. Zhang, and M. Zhong, “Large-scale Tunable 3D Self-Supporting WO3 Micro-Nano Architectures as Direct Photoanodes for Efficient Photoelectrochemical Water Splitting”, ***ACS Applied Materials & Interfaces***, 2017, 9, 17856-17864.

[6] G. Ou#, **P. Fan**#, X. Ke, Y. Xu, K. Huang, H. Wei, W. Yu, H. Zhang, M. Zhong, H. Wu, and Y. Li, “Defective Molybdenum Sulfide Quantum Dots as Highly Active Hydrogen Evolution Electrocatalyst”, ***Nano Research***, 2018, 11, 751–761.

[7] **P. Fan**, M. Zhong, B. Bai, G. Jin, and H. Zhang, “Large Scale and Cost Effective Generation of 3D Self-Supporting Oxide Nanowire Architectures by a Top-Down and Bottom-Up Combined Approach”, ***RSC Advances***, 2016, 6, 45923-45930.

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[10] **P. Fan**, M. Zhong, L. Li, P. Schmitz, C. Lin, J. Long, H. Zhang, “Angle-independent colorization of copper surfaces by simultaneous generation of picosecond-laser-induced nanostructures and redeposited nanoparticles”, ***Journal of Applied Physics***,2014, 115, 124302.

[11] **P. Fan**, M. Zhong, L. Li, P. Schmitz, C. Lin, J. Long, H. Zhang, “Sequential color change on copper surfaces via micro/nano structure modification induced by a picosecond laser”, ***Journal of Applied Physics***,2013, 114, 083518.