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a. Professional Preparation

9/2005-9/2009, **B.S.**, Nanjing University of Aeronautics and Astronautics, China
9/2009-1/2016, **Ph.D. candidate**, Nanjing University of Aeronautics and Astronautics, China
9/2014-9/2015, **Visiting Student**, Department of mechanical engineering, Columbia University, USA

b. Professional Career

8/2016-8/2019, **Research Associate**, National Graphene Institute, the University of Manchester, UK
9/2019-present, **Professor**, Nanjing University of Aeronautics, China

c. Publications

Over 40 publications, total citations >1500, h-index > 20,

Representative works:

1. **J. Yin**, S. Slizovskiy, Y. Cao, S. Hu, Y. Yang, I. Lobanova, B. A. Piot, S.-K. Son, S. Ozdemir, T. Taniguchi, K. Watanabe, K. S. Novoselov, F. Guinea, A. K. Geim, V. Fal'ko, A. Mishchenko, Dimensional reduction, quantum Hall effect and layer parity in graphite films. *Nature Physics*, 15,437 (2019).
2. **J. Yin**, X. Li, J. Yu, Z. Zhang, J. Zhou, W. Guo, Generating electricity by a moving droplet of ionic liquid along graphene. *Nature Nanotechnology*, 9, 378 (2014).
3. **J. Yin**, Z. Zhang, X. Li, J. Yu, J. Zhou, Y. Chen, W. Guo, Waving potential in graphene. *Nature Communications*, 5, 3582 (2014).
4. **J. Yin**, X. Li, J. Zhou, W. Guo, Ultralight three-dimensional boron nitride foam with ultra-low permittivity and superelasticity, *Nano letters*13, 3232 (2013).
5. **J. Yin**, Z. Zhang, X. Li, J. Zhou, W. Guo, Harvesting energy from water flow over graphene? , *Nano letters* 12, 1736 (2012).
6. **J. Yin**, J. Yu, X. Li, J.; Li, J. Zhou, Z. Zhang, W. Guo, Large Single-Crystal Hexagonal Boron Nitride Monolayer Domains with Controlled Morphology and Straight Merging Boundaries. *Small* 11, 4497 (2015).
7. **J. Yin**, X. Liu, W. Lu, J. Li, Z. Chao, Y. Li, Y. Xu, X. Li, J. Zhou, C. Jin, W. Guo, Aligned Growth of Hexagonal Boron Nitride Monolayer on Germanium. *Small* 11, 5375 (2015).
8. **J. Yin**, J. Li, Y. Hang, J. Yu, G. Tai, X. Li, Z. Zhang, W. Guo, Boron Nitride Nanostructures: Fabrication, Functionalization and Applications. *Small*, 12, 2942 (2016).
9. **J. Yin**, J. Zhou, X. Li, Y. Chen, G. Tai, W. Guo, Enhanced gas-flow-induced voltage in graphene, *Applied Physics Letters* 99, 073103 (2011).
10. X. Li*, **J. Yin***, J. Zhou, W. Guo, Large area hexagonal boron nitride monolayer as efficient atomically thick insulating coating against friction and oxidation. *Nanotechnology* 25, 105701 (2014). (* equal contribution)
11. B. Li*, **J. Yin***, X. Liu*, H. Wu, J. Li, X. Li, W. Guo, Probing van der Waals interactions at two-dimensional heterointerfaces. *Nature Nanotechnology* 14, 567 (2019). (* equal contribution)