

Baojuan Dong**Gender:** Female**Email:** bjdong12s@imr.ac.cn**Date of birth:** 06/08/1989**Nationality:** The People's Republic of China**Phone:** +86-024-83978751 (office), +86-18502407280, +7 (929) 614 13 27 (mobile)**Address:** Magnetism and Magnetic Materials Division, Institute of Metal Research (IMR), Chinese Academy of Sciences (CAS), 72 Wenhua Road, Shenyang 110016, China**EDUCATION**

Skolkovo Institute of Science and Technology, Moscow visiting Ph. D 2016-present
Institute of Metal Research, Chinese Academy of Sciences Materials Physics and Chemistry
Ph.D 2012-present

Central South University, China Materials Science and Engineering B.S. 2008-2012

RESEARCH INTERESTS

Design of novel functional nano-materials; Electronic and transport properties of novel 2D materials, including graphyne, graphdiyne, phosphorus and transition metal dichalcogenides (TMDs); Thermoelectric Materials.

COMPUTING SKILLS

Software packages: USPEX, VASP, PWscf (QUANTUM ESPRESSO)

Software applications: MS Word, LaTeX, Gulpot, Vesta, Discovery Studio.

PREPRINTS

1. B. J. Dong, T. Yang, Z. D. Zhang, Antiferromagnetic ordering in mono-layer α -graphyne under biaxial strain: a first-principles study, to be submitted.
2. Kaci L. Kuntz, Rebekah A. Wells, J. Hu, T. Yang, B.J. Dong, H. H. Guo, Adam H. Woomer, DanDruffel, Anginelle, David Tománek, Scott C Warren, Control of Surface and Edge Oxidation on Phosphorene. Under review

PUBLICATIONS

3. J. Z Wang, B. J. Dong, H. H. Guo, T. Yang, Z. Zhu, G. Hu, R. Saito, Z. D. Zhang, Stability and electronic properties of two-dimensional indium iodide, *Phys. Rev. B*, *accepted*.
4. T. Yang, B. J. Dong, J. Z. Wang, Z. D. Zhang, J. Guan, K. Kuntz, S. C. Warren, and D. Tomanek, Interpreting core-level spectra of oxidizing phosphorene: Theory and Experiment, *Phys. Rev. B*, **92**, 125412 (2015).
5. B. J. Dong, T. Yang, J. Z. Wang, Z. D. Zhang, Interface effect on the structural and electronic properties of graphdiyne adsorbed on SiO₂ and h-BN substrates: a first-principles study, *Chin. Phys. B*, **24**, 096806 (2015).
6. D. Li, S. J. Li, B. J. Dong, T. Yang, W. Liu and Z. D. Zhang, Large magnetocrystalline anisotropy of Fe_{3-x}Cr_xSe₄ single crystals due to Cr substitution. *EPL*, **109**, 37004 (2015).

STANDARD TEST IELTS: 7 (Listening: 7 Reading:8.5 Writing: 5.5 Speaking:6)

AWARDS

- 2014 Merit Student, University of Chinese Academy of Sciences, P.R. China
2012 Excellent Graduate Student Scholarship, Central South Universtiy, P.R. China
2011 National Scholarship, P.R. China
2011 Top-grade Scholarship, Central South University, P.R. China
2008-2010 Alcoa Science and Engineering Outstanding Girls Award, Central South University, P.R. China (twice)