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**Research Experience**

2015 - now Postdoc, Geophysical Lab, Carnegie Institution of Washington, USA

2014 - 2015 Postdoc, Department of Physics, University of Basel, Switzerland

2008 - 2014 PhD student, State Key Lab of Superhard Materials, Jilin University, China

**Education**

2014 PhD in Physics, State Key Lab of Superhard Materials, Jilin University, China

2008 Bachlor of Science, Physics Department, Jlin University, China

**Publications**

2016

1. "[A fingerprint based metric for measuring similarities of crystaline structures](http://scitation.aip.org/content/aip/journal/jcp/144/3/10.1063/1.4940026)",
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3. "[Pressure-Induced Reversible Phase Transformation in Nanostructured Bi2Te3 with Reduced Transition Pressure](http://pubs.acs.org/doi/abs/10.1021/jp512565b)",
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3. "[Metallization and superconductivity of BeH2 under high pressure](http://scitation.aip.org/content/aip/journal/jcp/140/12/10.1063/1.4869145)",
Ziwei Wang, Yansun Yao, **Li Zhu**, Hanyu Liu, Toshiaki Iitaka, Hui Wang, and Yanming Ma, ***J. Chem. Phys.* 140**, 124707 (2014).

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2012

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2. "[Synthesis and high-pressure transformation of metastable wurtzite-structured CuGaS2 nanocrystals](http://pubs.rsc.org/en/content/articlelanding/2012/nr/c2nr31629c)",
Ningru Xiao, **Li Zhu**, Kai Wang, Quanqin Dai, Yingnan Wang, Shourui Li, Yongming Sui, Yanming Ma, Jing Liu, Bingbing Liu, Guangtian Zou and Bo Zou, ***Nanoscale* 4**, 7443 (2012).
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Guoying Gao, Hui Wang, **Li Zhu**, and Yanming Ma, ***J. Phys. Chem. C* 116**, 1995 (2012).
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7. "[An effective structure prediction method for layered materials based on 2D particle swarm optimization algorithm](http://scitation.aip.org/content/aip/journal/jcp/137/22/10.1063/1.4769731)",
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2. "[High pressure partially ionic phase of water ice](http://www.nature.com/ncomms/journal/v2/n11/abs/ncomms1566.html)",
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5. ""[Superhard and superconductive polymorphs of diamond-like BC](http://www.sciencedirect.com/science/article/pii/S0375960110015732%22%20%5Ct%20%22_blank)[3](http://www.sciencedirect.com/science/article/pii/S0375960110015732%22%20%5Ct%20%22_blank)",
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