Name:	**Wang Hui-Qiong**
Current Position:	Professor
Office	A5 # 316
Programme:	Electrical and Computer Engineering
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RESEARCH INTERESTS

- Interface physics of functional oxide materials
- Innovative design for thermoelectric materials

EDUCATIONAL BACKGROUND

- BSc., Department of Physics, Xiamen University, China (1999)
- Visiting Student, Department of Mechanical Engineering, Stanford University, USA (2000)
- MSc., Department of Physics, National University of Singapore (2001)
- MSc., Department of Applied Physics, Yale University, USA (2002)
- M. Phil., Department of Applied Physics, Yale University, USA (2005)
- PhD, Department of Applied Physics, Yale University, USA (2007)

WORKING EXPERIENCE

Academic Appointment

- Professor, Department of Physics, Xiamen University China (2014 – now)
- Associate Professor, Department of Physics, Xiamen University China (2009 – 2014)
- Postdoctoral Associate, Department of Applied Physics, Cornell University, USA (2008 – 2009)
- Postdoctoral Associate, Department of Applied Physics, Yale University, USA (2007 – 2008)
- Jr. Guest Research Scientist, Brookhaven National Laboratory, USA (2006 – 2008)

Administrative Appointment

- Director of Research and Innovation, Xiamen University Malaysia (2017 – Now)
- Director of Academics Affairs, Xiamen University Malaysia (2015 – 2016)
- Deputy Director, Office of International Cooperation & Exchange; Office of Taiwan, Hong Kong and Macao Affairs, Xiamen University China (2013 – 2014)

HONORS/AWARDS/GRANTS

- Natural Science Foundation of China (NSFC) Grant (2013)
- International Union of Pure and Applied Physics (IUPAP) Women in Physics Travel Grant (2012)
- Outstanding Poster Award, 2nd Cross-Strait Synchrotron Radiation Research Symposium, Taiwan (2012)
- NSFC Grant, Key Research Project Fund of Beijing Synchrotron Radiation Facilities (2012)
- Open Research Fund of State Key Lab of Silicon Materials, Zhejiang University China (2011)
- NSFC Grant, NSF-Fujian Grant, Doctoral Fund of Ministry of Education of China (2010)
- New Century Excellent Talent in University, the Ministry of Education (2009)
- HARDING BLISS PRIZE, Graduate School, Yale University (2008)
- TEM+DFT Workshop Travel Grant, Vienna (2006)
- Lee Foundation Grant , Singapore (2000)

REPRESENTATIVE PUBLICATION

(70 in SCI journals, citations > 1550, *h-index* = 20, i10-index = 35 @ Google Scholar**)**

1. Meng Wu, Jin-Cheng Zheng*, Hui-Qiong Wang*, Investigation of the vanadium -edge x-ray absorption spectrum of using configuration interaction calculations: Multiplet, valence, and crystal-field effects, **Physical Review B** 97 (24), 245138 (2018)

2. Hua Zhou, Lijun Wu, Hui-Qiong Wang*, Jin-Cheng Zheng*, Lihua Zhang, Kim Kisslinger, Yaping Li, Zhiqiang Wang, Hao Cheng, Shanming Ke, Yu Li, Junyong Kang and Yimei Zhu*, Interfaces between hexagonal and cubic oxides and their structure alternatives, ***Nature Communications*** 8:1474 (2017)

3. Meng Wu, Jin-Cheng Zheng* and Hui-Qiong Wang*, Investigation of the multiplet structures and crystal field effects of a TiO6 3d1 cluster based on configuration interaction calculations, ***Journal of Applied Crystallography*** 50, 576 (2017)

4. Xiangqian Shen, Hua Zhou, Yaping Li, Junyong Kang, Jin-Cheng Zheng, Shanming Ke, Qingkang Wang, and Hui-Qiong Wang* , Structural and optical characteristics of the hexagonal ZnO films grown on cubic MgO (001) substrates, ***Optics Letters*** 41, 4895 (2016)

5. Hua Zhou, Hui-Qiong Wang* ,Yaping Li,Kongyi Li, Junyong Kang, Jin-Cheng Zheng, Zheng Jiang, Yuying Huang, Lijun Wu, Lihua Zhang, Kim Kisslinger, and Yimei Zhu, Evolution of Wurtzite ZnO Films on Cubic MgO (001) Substrates: A Structural, Optical, and Electronic Investigation of the Misfit Structures, ***ACS Applied Materials and Interfaces*** 6, 13823 (2014).

6. Hua Zhou, Hui-Qiong Wang*, Lijun Wu, Lihua Zhang, Kim Kisslinger, Yimei Zhu, Xiaohang Chen, Huahan Zhan, and Junyong Kang, Wurtzite ZnO (001) films grown on cubic MgO (001) with bulk-like opto-electronic properties, ***Applied Physics Letters*** 99, 141917 (2011).

7. Hui-Qiong Wang, Eric Altman, Christine Broadbridge, Yimei Zhu, Victor Henrich, Determination of electronic structure of oxide-oxide interfaces by photoemission spectroscopy, ***Advanced Materials*** 22, 2950 (2010).

8. Hui-Qiong Wang*, Eric Altman, Victor E. Henrich, Interfacial properties between CoO (100) and Fe_3O_4 (100), ***Physical Review B*** 77, 085313 (2008). (Selected for kaleidoscope image of Physical Review B, February 2008.)

9. Hui-Qiong Wang*, Eric Altman, Victor E. Henrich, Measurement of electronic structure at nanoscale solid–solid interfaces by surface-sensitive electron spectroscopy, ***Applied Physics Letters*** 92, 012118 (2008). (Selected for Virtual Journal of Nanoscale Science & Technology, Vol. 17, Issue 3, January 21, 2008.)

10. Hui-Qiong Wang*, Eric Altman, Victor E. Henrich, Steps on Fe_3O_4 (100): STM measurements and theoretical calculations, ***Physical Review B*** 73, 235418 (2006). (Selected for Virtual Journal of Nanoscale Science & Technology, Vol. 14, Issue 1, July 4, 2006.)