

CURRICULUM VITAE

SHANSHAN LV

POSTAL ADDRESS: State Key Laboratory of Organic-Inorganic Composites,
Beijing University of Chemical Technology
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EDUCATION:

Doctoral 09/2008-04/2013 Department of Chemistry, the University of British Columbia (UBC),
Vancouver, BC, Canada
Supervisor: Prof. Hongbin Li
Dissertation: Tandem Modular Protein-based Hydrogels as Extracellular
Matrix Mimetic Biomaterials
Bachelor's 09/2004-07/2008 Department of Chemical Physics, University of Science & Technology of
China (USTC), Hefei, Anhui, P. R. China
Supervisor: Prof. Weixin Huang
Thesis: Researches on Au/CeO_{2-x}/SiO₂ Catalyst of CO Oxidation

AWARDS:

Chinese Government Scholarship for Outstanding Self-financed Students Studying Abroad	2011
Faculty of Science Graduate Award, UBC	2008-2012
International Tuition Award, UBC	2008-2012
Outstanding Undergraduate Research Program, USTC	2007
Outstanding Student Scholarship (Grade 2), USTC	2006-2007
Outstanding Student Scholarship (Grade 2), USTC	2005-2006
Outstanding Student Scholarship (Grade 3), USTC	2004-2005

PUBLICATIONS:

- 8 Towards Constructing Extracellular Matrix-Mimetic Hydrogels: An Elastic Hydrogel Constructed from Tandem Modular Proteins Containing Tenascin FnIII Domains.
Shanshan Lv, Tianjia Bu, Jona Kayser, Andreas Bausch, Hongbin Li*
Acta Biomaterialia, 9 (5), 6481-6491 (2013)
- 7 Tandem Modular Protein-Based Hydrogels Constructed Using a Novel Two-Component Approach.
Shanshan Lv, Yi Cao, Hongbin Li*
Langmuir, 28, 2269-2274 (2012)
- 6 Single Molecule Level Proof of the Osmophobic Effect.
Daniel Aioanei, Shanshan Lv, Isabella Tessari, Aldo Rampioni, Luigi Bubacco, Hongbin Li, Bruno Samori, Marco Brucale*
Angewandte Chemie International Edition, 50, 4394-4397 (2011)
- 5 Designed Biomaterials to Mimic the Passive Elastic Properties of Muscles.
Shanshan Lv, Yi Cao, Daniel M. Dudek, John Gosline, Hongbin Li*
Biophysical Journal 100 (3, Supplement 1), 22a (2011)
- 4 Designed biomaterials to mimic the mechanical properties of muscles.
Shanshan Lv, Daniel M. Dudek, Yi Cao, M. M. Balamurali, John Gosline, Hongbin Li*
Nature, 465, 69-73 (2010)

- 3 Influences of CeO₂ microstructures on the structure and activity of Au/CeO₂/SiO_{2-x} catalysts in CO oxidation.
Kun Qian, Shanshan Lv, Xiaoyan Xiao, Huaxing Sun, Jiqing Lu, Mengfei Luo, Weixin Huang*
Journal of Molecular Catalysis A, 306, 40-47 (2009)
- 2 Restructuring-induced activity of SiO₂-supported large Au nanoparticles in low-temperature CO oxidation.
Kun Qian, Huaxing Sun, Weixin Huang*, Jun Fang, Shanshan Lv, Bo He, Zhiquan Jiang, and Shiqiang Wei
Chemistry-A European Journal, 14, 10595-10602 (2008)
- 1 Low-temperature CO oxidation over Au/ZnO/SiO₂ catalysts: some mechanism insights.
Kun Qian, Weixin Huang*, Jun Fang, Shanshan Lv, Bo He, Zhiquan Jiang, Shiqiang Wei
Journal of Catalysis, 255, 269-278 (2008)

CONFERENCE PRESENTATIONS/POSTERS:

- 3 Shanshan Lv, Yi Cao, Hongbin Li*
Tandem Modular Protein-Based Hydrogels Constructed Using a Novel Two-Component Approach. (Poster Presentation)
Gordon Research Conference 2012- Bioinspired Materials, Davidson College, Davidson, NC, USA (06/2012)
- 2 Shanshan Lv, Daniel M. Dudek, Yi Cao, M. M. Balamurali, John Gosline, Hongbin Li*
Building Materials Mimicking Passive Elasticity of Muscles with Titin-mimetic Protein Blocks. (Oral Presentation)
The 29th Canadian Biomaterials Society Meeting, the University of British Columbia, Vancouver, BC, Canada (06/2011)
- 1 Shanshan Lv, Daniel M. Dudek, Yi Cao, M. M. Balamurali, John Gosline, Hongbin Li*
Engineering Materials Mimicking Passive Elasticity of Muscle. (Oral Presentation)
BioFest, the University of British Columbia, Vancouver, BC, Canada (02/2010)

PROFESSIONAL ACTIVITIES:

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| 03/2013 | Biophysics Frontiers, UBC, Vancouver, BC, Canada (attending) |
| 06/2012 | Gordon Research Conference 2012- Bioinspired Materials, Davidson College, Davidson, NC, USA |
| 06/2011 | The 29th Canadian Biomaterials Society Meeting, UBC, Vancouver, BC, Canada |
| 02/2010 | Biophysical Society Annual Meeting, San Francisco, USA (attending) |
| 02/2010 | BioFest, UBC, Vancouver, BC, Canada |
| 01/2009 | Student talks at Frontiers in Biophysics, Simon Fraser University, Vancouver, BC, Canada (attending) |
| 01/2009 | BioFest, UBC, Vancouver, BC, Canada (attending) |
| 07/2007-08/2007 | Physical Chemistry Meeting, USTC (attending) |