

Curriculum Vita

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EDUCATIONAL BACKGROUND

Ph.D. (Polymer Science and Engineering), Queen's University at Kingston, Canada, 1992

M.Sc. (Polymer Science and Engineering), Queen's University at Kingston, Canada, 1989

B.Sc. (Chemistry), Lanzhou University, Lanzhou, China, 1985

WORKING EXPERIENCE

2007-present, Professor and Dean, Graduate School of Education, SJTU

2005-present, Professor and Director, Center for World-Class Universities, SJTU

2008.12-2009.2, Visiting Professor, Hiroshima University, Japan

2000-2007, Professor and Director, Institute of Higher Education, SJTU

2000-2007, Professor and Director, Office of Strategic Planning, SJTU

2006.1-2, Visiting Professor, University Paris-Sud, France

2002.5-2003.5, Professor and Dean for Undergraduate Studies, SJTU

2000.11-12, Visiting Scholar, University of Michigan, USA

1999-2000, Professor and Deputy Director, Office of Strategic Planning, SJTU

1997-1998, Professor and Vice Dean, School of Chemistry & Chemical Engineering, SJTU

1995-1996, Associate Professor and Deputy Director, Polymeric Materials Institute, SJTU

1993-1994, Associate Professor, Polymeric Materials Institute, SJTU

1985-1987, Teacher, Department of Materials Science, Lanzhou University

CURRENT RESEARCH INTERESTS

- World-class universities and research universities

- University evaluation and academic ranking
- Research evaluation and science policy
- Globalization and internationalization of higher education

TEACHING AND SUPERVISING

Graduate Courses Being Taught

Advanced Topics on World-Class Universities

Doctoral Students Being Supervised (Year)

Z.H. Xie (2011-), Y. Miao (2012-), Z.H. Xu (2012-), Y. Wu (2013-), P. Chen (2013-),
F. Jiang (2015-)

SELECTED PROFESSIONAL SERVICES

Vice-President, IREG Observatory on Academic Ranking and Excellence

Member of Editorial/Advisory Board, *Research Evaluation*

RECENT PUBLICATIONS

Selected Books in English

Y. Cheng, Q. Wang and N.C. Liu, eds. (2014). *“How World-Class Universities Affect Global Higher Education: Influences and Responses”*. Rotterdam: Sense Publishers.

Q. Wang, Y. Cheng and N.C. Liu, eds. (2013). *“Building World-Class Universities: Different Approaches to a Shared Goal”*. Rotterdam: Sense Publishers.

N.C. Liu, Q. Wang and Y. Cheng, eds. (2011). *“Paths to a World-Class University: Lessons from Practices and Experiences”*. Rotterdam: Sense Publishers.

J. Sadlak and N.C. Liu, eds. (2009). *“The World-Class University as Part of a New Higher Education Paradigm: From Institutional Quality to Systematic Excellence”*. Bucharest: UNESCO-CEPES.

J. Sadlak and N.C. Liu, eds. (2007). *“World-Class University and Ranking: Aiming Beyond Status”*. Bucharest: UNESCO-CEPES.

Selected Book Chapters in English

Q.H. Wang, Q. Wang and N.C. Liu. (2011). “Building World-Class University in China: Shanghai Jiao Tong University”, invited chapter in P. Altbach and J. Salmi, eds., *“The Road to Academic Excellence”*. Washington, D.C.: The World Bank.

N.C. Liu and Y. Cheng. (2010). “Global University Rankings and Their Impact”, invited chapter in P. Altbach, ed., “*Leadership for World-Class Universities: Challenges for Developing Countries*”. New York and London: Routledge.

Y. Cheng and N.C. Liu. (2010). “The Academic Ranking of World Universities and the Performance of Asia Pacific Universities”, invited chapter in S. Kaur, M. Sirat and W.G. Tierney, eds., “*Quality Assurance and University Rankings in Higher Education in the Asia Pacific: Challenges for Universities and Nations*”. Malaysia: Penerbit Universiti Sains Malaysia.

N.C. Liu. (2007). “Flagship Universities of China: Differentiation, Classification and World-Class”, invited chapter in P. Altbach and J. Balan, eds., “*World-Class Worldwide: Transforming Research Universities in Asia and Latin America*”. Baltimore and London: John Hopkins University Press.

Selected Articles in English

J.T. Zheng and N.C. Liu (2015). “Mapping of Important International Academic Awards”. *Scientometrics*, **104(3)**, 763–791.

Z. Zhang, Y. Cheng and N.C. Liu (2015). “Improving the Normalization Effect of Mean-based Method from the Perspective of Optimization-based Linear Methods and Their Performance”. *Scientometrics*, **102(1)**, 587-607.

Q. Wang and N.C. Liu (2014). “Higher Education Research Institutes in Chinese Universities”. *Studies in Higher Education*, **39(8)**, 1488-1498.

Z. Zhang, Y. Cheng and N.C. Liu (2014). “Comparison of the Effect of Mean-based Method and z-score for Field Normalization of Citations at the Level of Web of Science Subject Categories”. *Scientometrics*, **101(3)**, 1679-1693.

N.C. Liu and Q. Wang (2011). “Building World-Class Universities in China: A Dream Come True?”. *Chinese Education & Society*, **44(5)**, 3-8.

Q.Q. Deng, Q. Wang and N.C. Liu (2010). “National Initiatives for Building World-Class Universities: Comparison between Asian and European Experiences”. *Higher Education Forum*, **7**, 35-51.

Y.L. Xie, Y. Cheng and N.C. Liu. (2009). “Searching for Globally Feasible Indicators from Domestic Rankings”. *Evaluation in Higher Education*, **3(2)**, 73-86.

N.C. Liu. (2009). “The Story of the Academic Ranking of World Universities”. *International Higher Education*, **(54)**, 2-3.

Y. Cheng and N.C. Liu. (2008). “Examining Major Rankings According to the Berlin

Principles”. *Higher Education in Europe*, **33(2/3)**, 201-208.

Y. Cheng and N.C. Liu. (2008). “Tracking the Development of China’s Top Universities Using Scientometric Indicators, 1997-2005”. *Frontiers of Education in China*, **3(3)**, 415-428.

Y. Cheng and N.C. Liu. (2007). “Academic Ranking of World Universities by Broad Subject Fields”. *Higher Education in Europe*, **32(1)**, 17-30.

Y. Cheng and N.C. Liu. (2006). “A First Approach to the Classification of Top 500 World Universities by Their Disciplinary Characteristics Using Scientometrics”. *Scientometrics*, **68(1)**, 135-150.

N.C. Liu and Y. Cheng. (2005). “The Academic Ranking of World Universities”. *Higher Education in Europe*, **30(2)**, 127-136.

N.C. Liu and L. Liu. (2005). “University Rankings in China”. *Higher Education in Europe*, **30(2)**, 217-228.

N.C. Liu, Y. Cheng and L. Liu. (2005). “Academic Ranking of World Universities Using Scientometrics”. *Scientometrics*, **64(1)**, 101-109.

Online Publications in English

“Academic Ranking of World Universities (ARWU)” was first published in June 2003 and updated annually. Its original purpose was to benchmark top Chinese universities with world-class universities. Only objective indicators and third-party data were used in the ranking.

“Academic Ranking of World Universities by Broad Subject Fields (ARWU-FIELD)” was first published in February 2007 and updated annually. It ranked world research universities by five broad subject fields, including physical sciences, social sciences, life sciences, engineering, and medicine.

“Academic Ranking of World Universities by Subject Fields (ARWU-SUBJECT)” was first published in November 2009 and updated annually. It ranked world research universities by subject fields, including mathematics, physics, chemistry, computer sciences, economy and business.

For detailed information, please go to the official ranking website:
<http://www.ShanghaiRanking.com>

SELECTED LECTURES

14 April 2015. Invited lecture at: Graduate School of Education, Peking University,

Beijing, China.

13 May 2014. Invited lecture at: UCL Institute of Education, University of London, London, UK.

5 April 2013. Invited lecture at: Center for International Higher Education, Boston College, Boston, U.S.A.

17 October 2012. Invited lecture at: International Conference of the Russian Association of Higher Education Researchers, Moscow, Russia.

11 November 2011. Invited lecture at: Indian Higher Education Summit 2011, Delhi, India.

5 August 2011. Invited lecture at: APEC Conference on Quality in Higher Education, Honolulu, USA.

16 May 2011. Invited lecture at: UNESCO Global Forum on Rankings and Accountability in Higher Education, Paris, France.

1 July 2010. Invited lecture at: International Workshop on Innovation and Performance Management, Kent, UK.

23 January 2009. Invited lecture at: Research Institute of Higher Education, Hiroshima University, Hiroshima, Japan.

13 November 2008. Invited lecture at: EU Conference on International Comparison of Education Systems: a European Model? Paris, France.

15 February 2007. Invited lecture at: International Symposium on Research Assessment and Ranking, Perth, Australia.

5 December 2006. Invited lecture at: OECD Symposium on Institutional Diversity: Ranking and Typologies in Higher Education, Bonn, Germany.