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Educational Background

1986 Sophia University, B.S., Physics,
1988 Graduate School, Sophia University, M.S., Physics,

Experiences

2007-2010 Principal Administrator, Directorate for Science, Technology and Industry,
OECD(present)
2006– Present Director, Research Unit for Science and Technology Analysis and Indicators,
NISTEP
2006–1996 Senior Research Fellow, NISTEP
1992 Visiting Researcher, International and Interdisciplinary Studies, University of
Tokyo
1996–1989 Researcher, NISTEP
1989–1988 Electric Data Processing Division, Japan Information Center of Science and
Technology (JICST)

Research Field (Expertise)

Science and Technology Policy Research and S&T Indicator Development.

Selected Publications and Papers

- (1) “Transition of Research Performance and Research Structure in Japan,” *Research on Academic Degrees and University Evaluation*, No. 5 (2007), pp.55–73. (Co-authored article with HAYASHI Takayuki) [In Japanese with English abstract]
- (2) “A Bibliometric Analysis of Scientific Literatures Cited by Influential Patents,” *Journal of Information Processing and Management*, Vol. 49 (2006), No. 1, pp.2–10. (Co-authored article with HAYASHI Takayuki, YAMASHITA Yasuhiro and KONDO Masayuki) [In Japanese with English abstract]
- (3) *Characteristics of excellent research activities: Report of survey on*

top-researchers' activities and their views on effects of Japan's science and technology policy and R&D status, (NISTEP Research Material No.122), NISTEP, March 2006. (Co-authored report with Takayuki Hayashi, Yasuhiro Yamashita, and Masayuki Kondo). [in Japanese]

- (4) *Study for Evaluating the Achievements of the Science and Technology Basic Plans in Japan: Quantitative and Qualitative Analysis of R&D Outputs (NISTEP REPORT No.88), NISTEP, March 2005. (Practical first author) [in Japanese with English extract]*
- (5) *Introduction to Scientometrics: Application to Research Evaluation and Science Studies, Maruzen, Tokyo, March 2004, (Co-authored book with Yuko Fujigaki, Hideyuki Hirakawa, Masashi Shirabe, Takayuki Hayashi, and Junichi Makino). [in Japanese]*
- (6) "Bibliometric techniques in the evaluation of federally funded research in the United States," *Research Evaluation*, Vol. 13, number 2, August 2004, pp.78–86. (Co-authored article with Diana Hicks, Yoshiko Saitoh, and Shinichi Kobayashi;)
- (7) *Science and Technology Indicators: 2004 (NISTEP REPORT No.73), NISTEP, April 2004. (Practical first author; authored by the Science and Technology Indicator Project Team) [in Japanese and English]*
- (8) "Likelihood of inbound/outbound access to co-authorship," *Scientometrics*, Vol.59, No.3, 2004, pp.337–344. (Co-authored article with Masashi Shirabe)
- (9) "Likelihood of overseas access to international co-authorships," *Scientometrics*, Vol.53, No.1, 2002, pp.123–129. (Co-authored article with Masashi Shirabe)
- (10) "Evaluating overall national science and technology activity: General Indicator of Science and Technology (GIST) and its implications for S&T policy," *Research Evaluation*, Vol. 6, August 1996, pp.83–92. (Co-authored article with Fujio Niwa)
- (11) "A Trial of General Indicator of Science and Technology: Methodological Study of Overall Estimation of National S&T Activity," *Scientometrics*, Vol.37, No.2, 1996, pp.245–265. (Co-authored article with Fujio Niwa)