

Taiwan has most citations per paper in educational research

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Tseng Yuen-hsien, a research fellow and deputy head of National Taiwan Normal University's (NTNU's) Information Technology Center, shares his finding. (From NTNU's website)

Taipei, Aug. 26 (CNA) Taiwan has produced the most-cited publications on educational research projects around the world during the past three years, according to recently published research.

Research conducted by Tseng Yuen-hsien, a research fellow and deputy head of National Taiwan Normal University's (NTNU's) Information Technology Center, shows that Taiwan led in the world in terms of the average number of times a research paper was cited by other scientific publications between 2010 and 2012.

Tseng and his fellow researchers also found that the number of papers published in the field of education has been on the rise since 1990.

He said during a press conference held Monday by NTNU and National Central University that the more frequently a research paper is cited, the more valuable and inspiring the research project is considered to be.

Tseng said his study was done by analyzing publication records from scientific citation-indexing services Web of Science (WoS) and Scopus, which covered 216 and 573 journals, respectively, in the field of education in 2012.

According to the research done by Tseng and his colleagues, which was published in the June edition of *Scientometrics*, a journal concerned with the quantitative features and characteristics of science and scientific research, Taiwan's citations per paper (CPP) between 2010 and 2011 were 1.73, based on WoS data.

The Netherlands trailed Taiwan during the same period, with a CPP of 1.55, Tseng noted.

Taiwan's leading position remained unchanged after Tseng included the 2012 WoS data, which was downloaded July 25 following the publication of the research in June, the researchers added.

Meanwhile, Taiwan's CPP in 2010, based on Scopus data, was 0.97, which was the second-highest behind Belgium. The data for 2011 was unavailable at the time the analysis was done last year, because the Scopus service releases such information at a slower pace.

However, Tseng's recent analysis, which included 2011's Scopus data, shows that Taiwan had the highest CPP between 2010 and 2011, followed by Singapore and the Netherlands.

The findings, Tseng said, show the improving visibility and quality of Taiwan's research in the field of education.

Tseng also pointed out that such results are not easy to achieve, since English is the dominant language of international scientific journals, but not the native language of most Taiwanese researchers.

(By Hsu Chih-wei and Kay Liu) ENDITEM/J