

Competitiveness analysis of government funded research institutions with the international journal paper and patent : In the case of Photovoltaics

이성곤*, Gento MOGI¹, K.S. HUI², K.N. HUI³,
Sangkon LEE⁴, 홍종철

한국에너지기술연구원; ¹Technology management for innovation, School of Engineering, The University of Tokyo; ²Systems engineering and engineering management, City University of Hong Kong; ³School of Materials Science and Engineering, Pusan National University; ⁴Green Transformation Technology Center, KITECH
(sklee@kier.re.kr*)

Government funded research institutes (GFRI) have been producing the outstanding R&D outputs and outcomes. Government has been interested in the productivity of GFRI for reaching world class institutions. In this paper, we focused on the quantitative competitiveness analysis of GFRI because Government has been interested in the numbers of international journal and patents as the competitiveness assessment and she has been increased energy R&D fund gradually. We make a short-list of 11 GFRI and four universities. This research focuses on the relative competitiveness in the case Photovoltaics from 2006 to 2011.