

<3>

가

가

李佳鍾

尹錫卿

가

가

2000

1993

3,000

10

15,000

가(5

가가)

)

15,000

2000
가

50,000

50,000

가

가

가가

가

가가

"

가

"

가

가
가

가
가

가

가 .

가

ISI가 30

Garfield(1990 , (3) 가 1985)

. ISI . (1) , (2)

(1) : ISI JCR (cited)

(2) : 가 (first author가)

(International Editorial Conventions) () , 가 (referee peer review) 가 () , 가 ()가 가 (分綴) 가 Garfield(1985) 가 () 가 Garfield ()

(3) 가 : ISI 1960 가 ISI 가 () 가

ISI가 가

1.

가 (, (定期性)

2.

(ISI가) 가 가 가 가 가

가 , 가 가 가

2. (1)

가 가 가 가 가 가

3.

가가 가 가 가 가 가

4.

가 가 가 가 가 가 가

5. 가

SCI 가 가 SCI - JCR 가 (rankings)가 가

6.

가 SCI 가 가 가 가

A : (SCI - JCR Impact Factor) 10%

ISI Garfield
(Garfield 1985).

(NSF)

員會
心

中國科學技術情報研究所가,

가 가
行政院國家科學委員會

國家科學委
科學技術資料中

(NSF) 가 , ISI Garfield가
가

(1) 가 : (, ,
,)).

(2) : 가

(3) 가 : 가,

(4) :

(5) : , 가 (1) .

가 가 5~10
(가)

() 가

21

가 가 가 가 가

, 가

- 1) 이가종(1990 ,1993), 기술혁신전략, 서울: 나남.
- 2) 이가종(1989), "과학철학, 과학정책 그리고 과학적정책," 과학기술정책 창간호
- 3) 이가종(1988), "과학철학과 정책이론에 있어서 합리성과 객관성," 한국정치학회보 22-2
- 4) 대통령자문 교육개혁위원회(1995), 신교육 체제수립을 위한 교육개혁방안, 교육개혁위원회
- 5) Bernal,J.D.(1954,1979), Science in History,Cambridge, Mass: The MIT Press.
- 6) Braun,T.,W.Glanzel(1994), Hajnalka Maczelka, A.Schubert, "World Science in the Eighties: National Performances in Publication Output and the Citation Impact, 1985~1989 versus 1980~1984," Scientometrics 29-3
- 7) Carter.G.M.(1974), "Peer Review, Citations, and Biomedical Research Policy," Rand Report, R-1583-HEW, Santa Monica, California: Rand Corporation
- 8) Chubin,D.E. and Moitra,S.D.(1975), "Content Analysis of References: Adjunct or Alternative to Citation Counting? Social Studies of Science 5, 423~441
- 9) Cochen, Manfred(1974), Principles of Information Retrieval, Los Angeles: Melville
- 10) Cohen,H.R.(1973), "Dialectics and Scientific Revolutions," Science and

10) Cohen, H.R. (1973), "Dialectics and Scientific Revolutions," *Science and Society*, X X X VII-3.

11) Easlea, B., *Liberation and the Aims of Science*, London; Chatto & Windus, 1970

12) Feyerabend, Paul (1975), *Against Methods: Outline of an Anarchistic Theory of Knowledge*, London: New Left Books, 1975

13) Feyerabend, (1970), "Consolidations for the Specialists," in Lakatos and Musgrave (eds), *Criticism and the Growth of Knowledge*, London: Cambridge University Press,

14) Garfield, Eugene (1992), "Of Nobel Class: A Citation Perspective on High Impact Research Authors," *Theoretical Medicine* 13 (1992), pp.117~135

15) Garfield, Eugene (1990), "How ISI Selects Journals for Coverage," *Currents Comments* (May 28, 1990)

16) Garfield, Eugene (1985), "Journal Selection for Current Contents: Editorial Merit vs Political Pressure," *Current Contents*, pp.11~3 (March 18, 1985)

17) Garfield, Eugene (1979), "Is Citation Analysis A Legitimate Evaluation Tool?," *Scientometrics* 1 (1979), pp.359~375

18) Garfield, Eugene (1977~a), "Is the Ratio Between Number of Citations and Publications Cited a True Constant?," *Essays of an Information*

Scientists, Vol.2 Philadelphia: ISI Press, pp.419~421

19) Garfield, Eugene (1977~b), "Will ISI's Arts & Humanities Citation Index Revolutionize Scholarship?," *Current Contents*, No.32 (August 8, 1977)

20) Kuhn, Thomas (1962, 1973), *The Structure of Scientific Revolution*, Chicago: The University of Chicago Press,

21) Lakatos, Imre (1971), "History of Science and Its Rational Reconstruction," *The British Journal for the Philosophy of Science*, 22

22) Lakatos, Imre (1970), "Reflections on My Critics," Imre Lakatos and Alan Musgrave (eds), *Criticism and the Growth of Knowledge*, London: Cambridge University Press,

23) Lakatos, Imre and Alan Musgrave (eds) (1970), *Criticism and the Growth of Knowledge*, London: Cambridge University Press.

24) Manheim, Karl (1936, 1972), *Ideology & Utopia: An Introduction of the Sociology of Knowledge*, London; Routledge & Kegan Paul

25) Mason, Stephen F. (1956, 1962), *A History of the Sciences*, New York; Collier Books

26) Meadows, A.J. (1974), *Communication in Science*, London; Butterworths

- 27) Moravcsik, M.J. and Murugesan, P.(1975), Some Results on the Function and Quality of Citations, *Social Studies of Science* 5, 86~92
- 28) Peters,H.P.F. and A.F.J.Van Raan(1994), "A Bilbiometric Profile of Top-Scientists: A Case Study in Chemical Engineering," *Scientometrics* 29-1(1994), 115~136
- 29) Plomp, R.(1994), "The Highly Cited Papers of Professors as an Indicator of a Research Group's Scientific Performance," *Scientometrics* 29-3, 377~393
- 30) Popper,K.R.(1972), *Conjectures and Refutations*, London: Routledge & Kegan Paul
- 31) Roy,R.(1977), *Approximating Total Citation Counts From First-Author Counts and Total Papers*, Working Paper, April 1977
- 32) Smith, Linda C.(1981), "Citation Analysis," *Library Trends* (Summer 1981), 83~106
- 33) Stephan,P.A. and Sharon G.Levin(1993), "Age and the Nobel Prize Revited," *Scientometrics* 28~3
- 34) Thorn, Frederick C.(1977), "Citation Index: Another Case of Spurious Validity," *Journal of Clinical Psychology* 33(Oct 1977)
- 35) Virgo,J.A.(1977), "A Statistical Procedure for Evaluating the Importance of Scientific Papers," *Library Quarterly* 47(1977) No.4, 415~130