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New Trend of Scholarly Communication : Open Access

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Too Young Lee · Ok Gyung Hwang

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, arXiv.org, PloS, BOAI, NEAR, SPARC, BioMed,
PubMed, KISTI-ACOMS

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ABSTRACT

The serials pricing and licensing crises have caused the problem of limited access to scholarly information and the problem of its preservation. To cope with these crises, various types of scholarly communication models are under study now. Open Access is one of the possible solutions among these new trials. This study has investigated the history of Open Access, articulated the first considerations for the spread of Open Access, and proposed the role of librarians during the progress.

KEYWORDS

Open Access, Scholarly Communication, Scholarly Information, arXiv.org, PloS, BOAI, NEAR, SPARC, BioMed, PubMed, KISTI-ACOMS.

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(open access)¹⁾

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Suber(2003)

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3.1

ARL(Association of Research Libraries)

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DRM(Digital Rights Manage-

ment)

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(Case and Matz

2003).

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Budapest Open Access Initiative(2003)

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BioMed Central(2003)

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(Suber 2003)

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3.2

(Case and Matz 2003).

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OpCit(Open Citation) Project 1999

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2002

Southampton, Cornell

Los Alamos National Laboratory가

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NSF(National Science

Foundation)

JISC(Joint Informa-

tion Systems Committee)

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(Open Citation 2003).

Eprints.Org(2003)

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Lawrence(2001)

가 (Lawrence 2001)

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(Harnad 가 가 ,

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Initiative(OAI)(2003) “

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Eprints(2003),

CDSware(2003), Dspace(2003)

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4.1 arXiv.org

e-print self-archive . e-print

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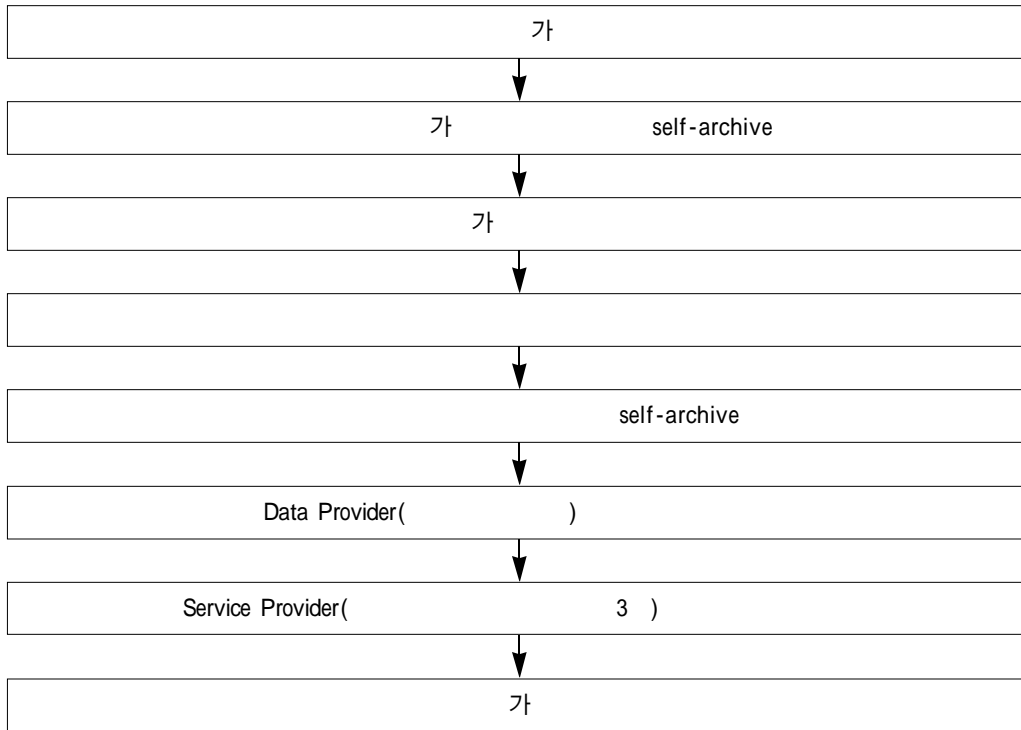
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arXiv.org(xxx.lanl.gov)

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National Science

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4.2 Scholarly Publishing and Academic Resources Coalition(SPARC) Consulting Group

SPARC

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- 1997 10 ARL 15%
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2000 ISI Journal Citation Reports
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 ical Society 3 3 David Shulenburg
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 Organic Letters e-print self-archive
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 Elsevier Science Tetrahedron Letters가
 , 2001 Organic , 90
 Letters \$2,438, Tetrahedron
 Letters \$9,036 . Tetrahedron
 Letters 65-70% 25%

(Case 2002). Tetrahedron Letters

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가 PubMed(2003) PubMed Central PubMed NLM

가 1966 가 PubMed Central

가 1999 5 National Institutes of Health(NIH) Harold Varmus 1,600 가 E-Biomed E-Biomed PubMed Central 가 가 PubMed Central PubMed 가 가 4.4 Public Library of Science(PloS) 가 1 PloS(2003) 2000 10 PubMed Central(2003) PubMed Central NIH National Library of Medicine(NLM) National Center for Biotechnology Information (NCBI) 2000 2 가 PubMed 6

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and Betty Moore Foundation 5

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Howard Hughes Medical Institute

PloS

2003 10

PloS Biology 2004

PloS Medicine

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182

31,079

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4.5 Budapest Open Access Initiative (BOAI)

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BOAI(2003) Soros Open Society Institute 2001 12

2002 12 17 PloS

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BOA가 PloS
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KISTI-ACOMS
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self-archiving
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Open Society Institute 가
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BioMed Central(2003)

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Los Alamos National Laboratory(LANL) e-print archive
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Biomed Central

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Faculty of 1000(2003)

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US \$ 52 / £ 35 / € 55

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PoS BOAI, BioMed

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self-archive

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STM

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S(scientific), T(technical),

M(medical)

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Leslie P. Kaelbling

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Research

JMLR

Machine Learning

Machine Learning Research

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Machine Learning Research

JMLR

MIT Press

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Journal of Machine Learning Research
(JMLR) (2003)

JMLR

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Learning Research

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University of Warwick Geometry and
Topology Publications(2003)

JMLR

self-archive

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University of Warwick

Rourke and Sanderson

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self-archive

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ARL

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