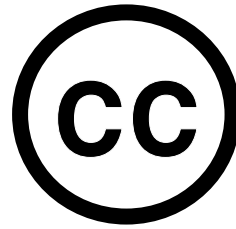


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2017.12.9.



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# Copyright, Open Access and Creative Commons License: new trends in scholarly publishing



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## Equality, Equity, and Reality of open access on scholarly information



Jeong-Wook Seo, M.D.

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Executive Vice-president, Asia Pacific Association of Medical Journal Editors

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학술지 발행 역량강화 워크숍: 9월 22일(금)

## 오픈엑세스는 왜 중요한가?

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Seo JW et al. Equality, equity, and reality of open access on scholarly information. Science Editing 2017;4(2): 58-69.



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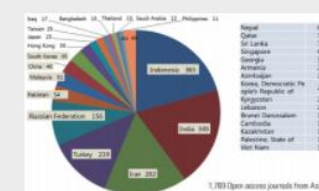
CURRENT ISSUE

FOR AUTHORS AND REVIEWERS



REVIEW 2017 August 16

### Equality, equity, and reality of open access on scholarly information



The current statistic data on the open access (OA) journals and institutional repositories show some successes and increased awareness on OA in Asian countries. There are several concerns, however, in regards to the access and use of articles by researchers together with the con...

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**Current Issue**  
Volume 4(2); August 2017

# 질문

- 저작권:
  - 저작권을 꼭 넘겨야 하나요?
  - 타인의 저작권을 침해한 논문을 게재한 편집인에게도 책임이 있나요?
- CC license
  - Creative Commons 가 법인가요?
  - CC license를 어떻게 표시하나요?
- Open Access
  - Open Access journal은 좋은 저널이 아니지 않나요?
  - DOAJ 에 등재해야 오픈액세스 저널이 되나요?

國內醫學學術誌發展을  
위한 워크샵  
(報告書)

1989. 2. 16(목)  
63빌딩회의실

大韓醫學會

## 醫學學術誌發展을 위한 Workshop

日 時：1989. 2. 16(목) 09:00-17:00

場 所：63빌딩 3층 회의실(주제발표, 분과별 결과발표, 종합토의：글로리아, 제  
1, 2분과：글로리아, 제3분과：갤럭시, 제 4분과：엘리제)

### 順 序

09:00-09:30 등 록

09:30-09:50 인 사 의학회장  
의협회장

09:50- 일정안내 준비위원장

10:00-12:00 주제발표

	주 제	연 사	좌 장
10:00-10:30	우리나라 의학잡지의 당면과제	조승렬 (중앙의대)	장우현 (의학회부회장)
10:30-11:00	잡지발간의 편집 및 발간실무	채종일 (서울의대)	
11:00-11:30	저작권의 일반이론과 의학잡지 관련부문	박원순 (변호사)	김상인 (의학학술이사)
11:30-12:00	우리나라 의학정보 색인사업	김호배 (카톨릭의대)	

12:00-13:00 중 식

13:00-14:00 분과토의

분 과	토 의 제 목
1	잡지발간의 행정적 측면 (등록, 인쇄, 인쇄방법, Back Issue, 관리, 저작권법, 우송등)
2	잡지의 Format (투고규정, Key Words, 용어관계, 한문혼용, 영문잡지, 초록, 교정, 인용등)
3	잡지의 Referee System 운영
4	국내잡지의 정보교환, 인용 (국제화 방안, Korean Index Medicus 등)

14:40-15:00 Coffee Break

15:00-16:00 분과별 결과발표, 사회：지제근(의학회 간행이사)

16:00-16:40 종합토의, 좌장：지제근, 김길영(연세대 소아과)

# 저작권법/산업재산권법/개인정보보호법

- 저작권:

- 저작권법: 인격권, 재산권, 저작인접권:
  - 방식주의 vs 무방식주의:
    - 1987년 이전 미국은 방식주의 (©) → 무방식 주의
  - 기간:
    - 14년 → 평생 +25년 → 50년 → 70년(2013.7.1.)
    - 공표 후 70년, 저자 사후 70년. 저작인접권 70년

- 산업재산권:

- 특허법: 심사 출원 후 20년
- 실용신안법: 심사 등록 후 10년
- 디자인보호법: 심사 등록 후 20년
- 상표법: 등록 후 10년 갱신
- 데이터베이스: 5년

- 개인정보보호법

# 저작인격권 / 저작재산권

- 공표권 (저작권법 11조)
  - 성명표시권 (저작권법 12조)
  - 동일성유지권 (저작권법 13조)
- 
- 공표 동의로 추정하는 경우의 예
    - 양도, 이용허락, 배타적 발행권 / 출판권 설정
    - 미술 건축 사진의 원본 양도
    - 도서관에 기증

내 논문이 검색되지 않게 해 달라? 잊혀질 권리?

명예훼손 방식으로 저작물 이용하는 것: 저작인격권 침해

## 저작인격권 / 저작재산권

- |              |               |
|--------------|---------------|
| - 복제권        | - 전시권         |
| - 공연권        | - 배포권         |
| - 공중송신권      | - 대여권         |
| - 2차적저작물 작성권 | (저작권법 16-21조) |

- 배포권/대여권: 원품/복제품을 유/무상 양도/대여함
  - 공중송신권
    - 방송권: 방송자가 일방적으로 다수에 제공
    - 전송권: 다수가 능동 이용할 수 있도록 제공
- \* 개인에게 (전자우편 등) 보내는 것은 전송이 아님.

# 저작자/저작권자, 저작물

- 저작자, 저작(재산)권자
  - 개인저작자, 법인 저작자
  - 업무상 저작물(단체 명의 저작물): 법인 명의로 공표된 것
  - 공동저작물: 저작자 전원 합의 원칙. 대표자 지정 가능
  - 무명저작물
- |         |         |              |
|---------|---------|--------------|
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| • 음악저작물 | • 건축저작물 | • 도형저작물      |
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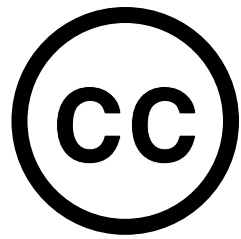
학회 이름으로 다수의 저자가 공동으로 출판한 교과서의 저작자는? 저작권자는?  
학회가 출판사와 저작권 계약을 할 수 있는가?  
논문을 저널에 게재할 때 저작권자는?



# 배타적 발행권 / 출판권

- 논문을 발표하면서 출판사에 넘기는 권리는?
- 발행권: 저작물을 발행 (복제/배포, 복제/전송) 등의 방법으로 이용할 권리
- 출판권: 저작물을 원작 그대로 인쇄술에 의하여 복제 배포하는 것
- 출판권 설정 vs 출판 허락
  - 출판권 설정 계약: 논문의 사진 등의 이용 허락(2차적 저작물 등)을 위임 (배타적 권리 부여)
  - 출판 허락 계약: 논문 출판을 허락했으니 출판을 잘 해라(채권적 권리)

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  - 공유경제
- 사회
  - 창작의 민주화, 탈중심화
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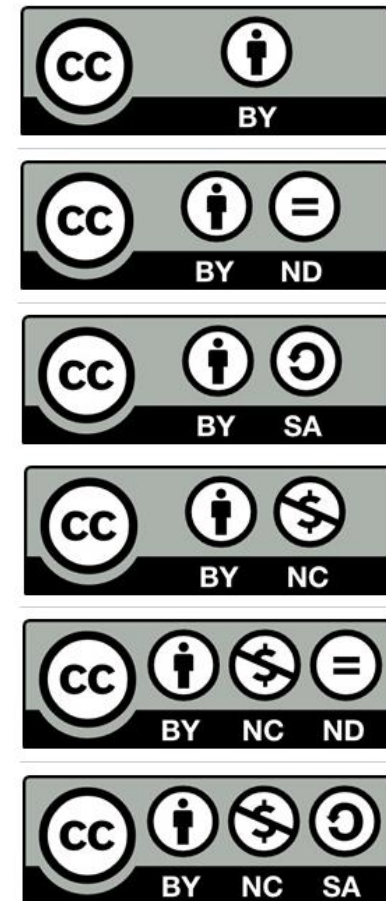
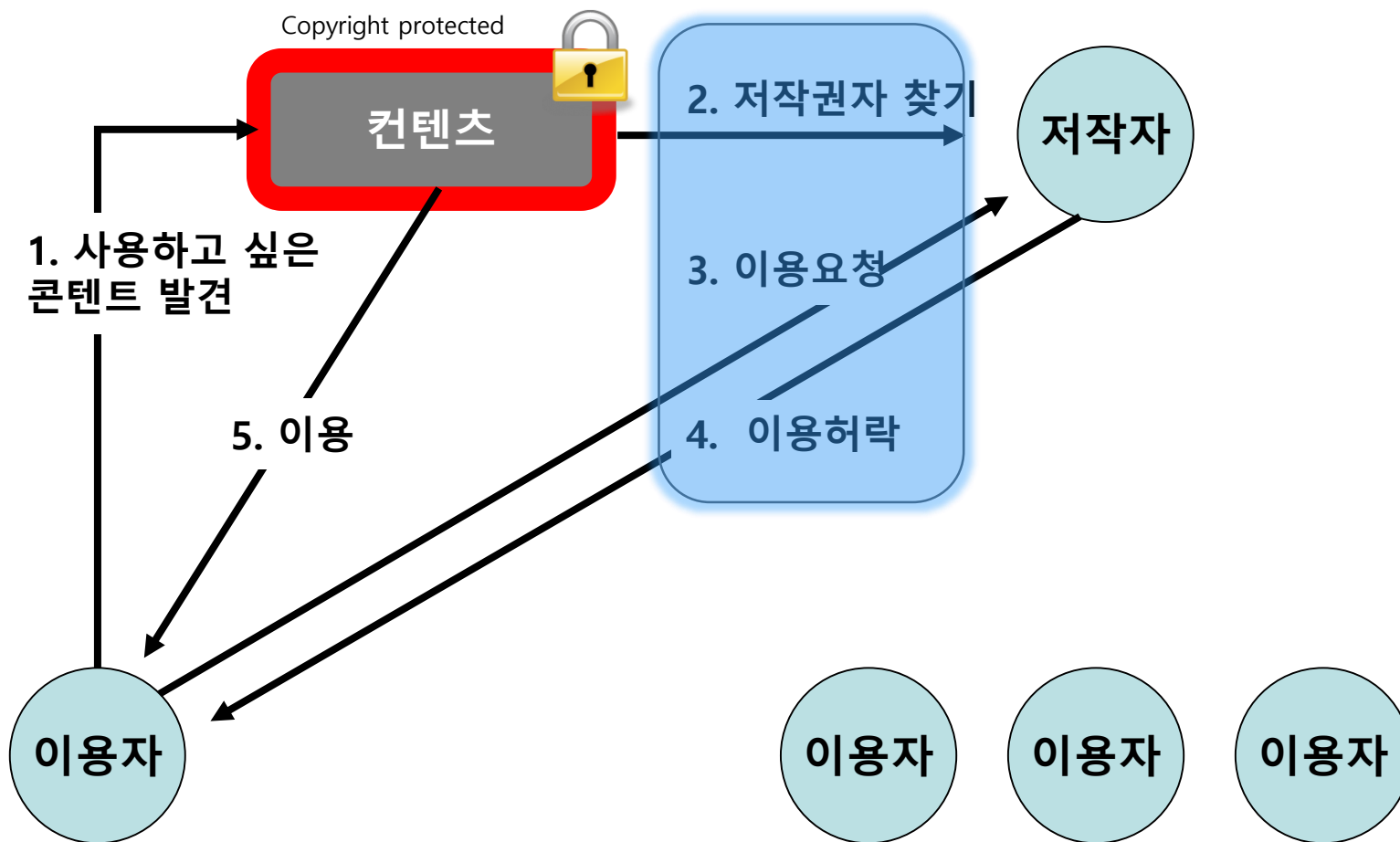
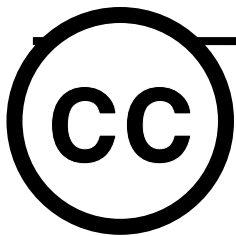
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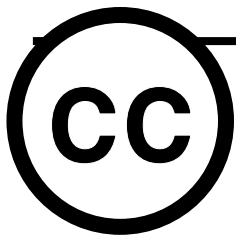
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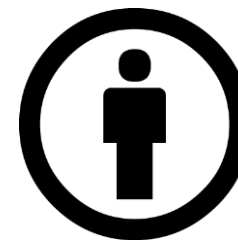
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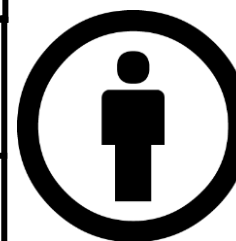




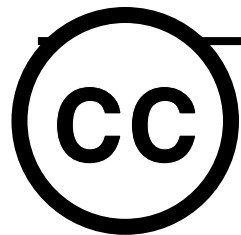
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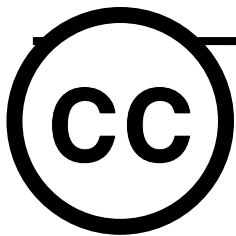
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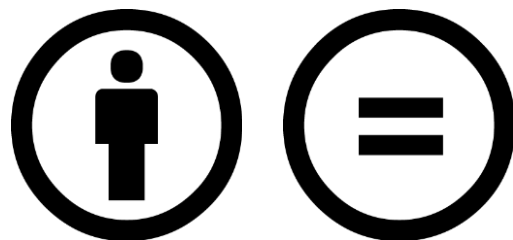
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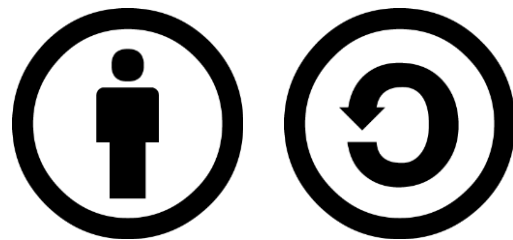
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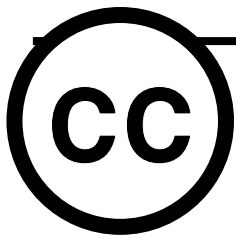
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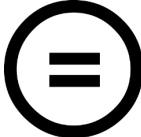









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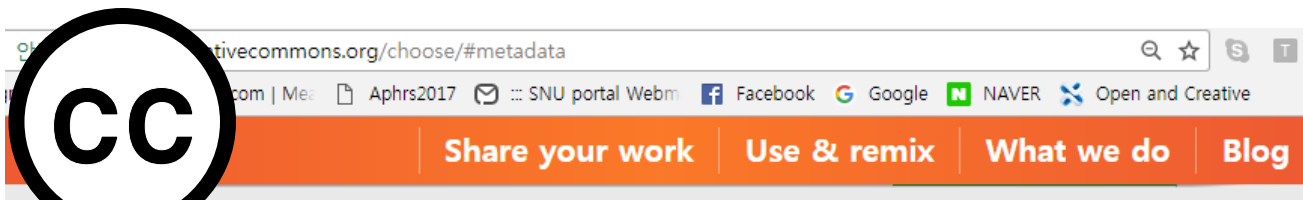
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☐ 예 ☐ 아니오 ☒ 예, 단 동일한 라이선스 적용

영리 목적 이용을 허락합니까?

☐ 예 ☐ 아니오

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**Title:** Influence of twin-twin transfusion syndrome on fetal cardiovascular structure and function: prospective case-control study of 136 mono chorionic twin pregnancies

**Author:** A A Karatza, J L Wolfenden, M J O Taylor, L Wee, N M Fisk, H M Gardiner

**Publication:** Heart

**Publisher:** BMJ Publishing Group Ltd.

**Date:** Sep 1, 2002

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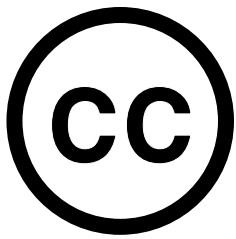
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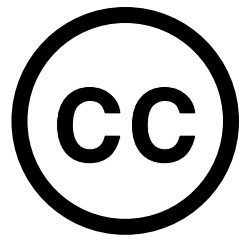
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# 오픈엑세스?

- BOAI(Budapest Open Access Initiative) 정의(2002)
  - 오픈엑세스: 인터넷 상에서 모든 이용자들이 재정적, 법적, 기술적 장애 없이 무료로 논문의 전문(fulltext)을 읽고, 다운로드하고, 복제, 배포, 인쇄, 검색, 링크할 수 있는 것
  - 비용장애(price barriers)와 허가장애(permission barriers)의 제거

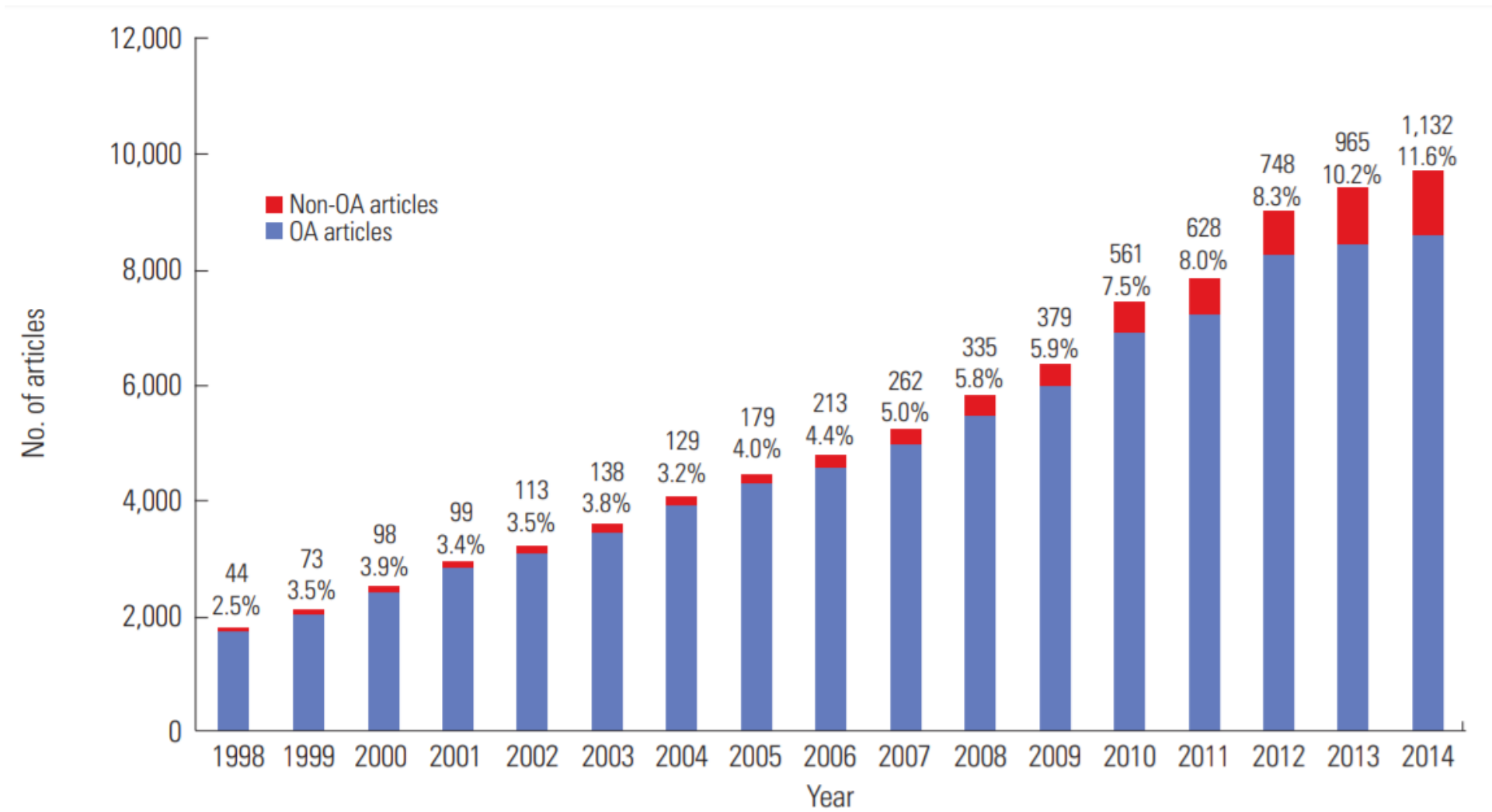
- 자유이용학술지 Open Access Journal (Gold Road)
  - 온라인을 기반으로 한 구독비용 없이 자유로운 이용이 가능한 학술지
  - Public Library of Science (PLOS)
  - Directory of Open Access Journals ([www.DOAJ.org](http://www.DOAJ.org))

- 기관저장소 Institutional Repository (Green Road)
  - 연구기관 생산 학술자료 저장 이용 서비스
  - Directory of Open Access Repositories [www.openoar.org](http://www.openoar.org)
  - Packages: DSpace, Eprints, etc

그렇지만. 오픈엑세스에 대한 반성과 구조조정이 필요합니다.



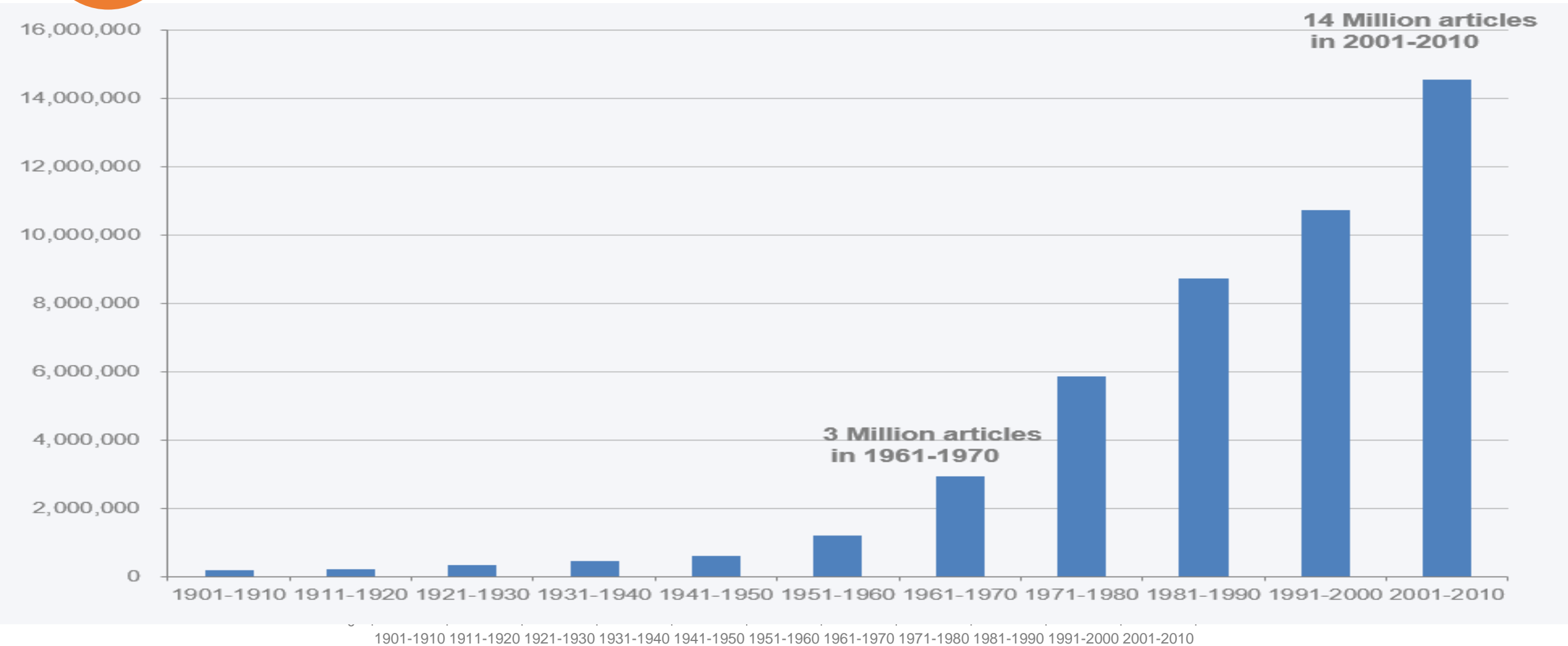
# No. of articles published by researchers of Seoul National University in the gold open access (OA) and non-OA journals in 1998 - 2014.





## Explosion of scholarly information

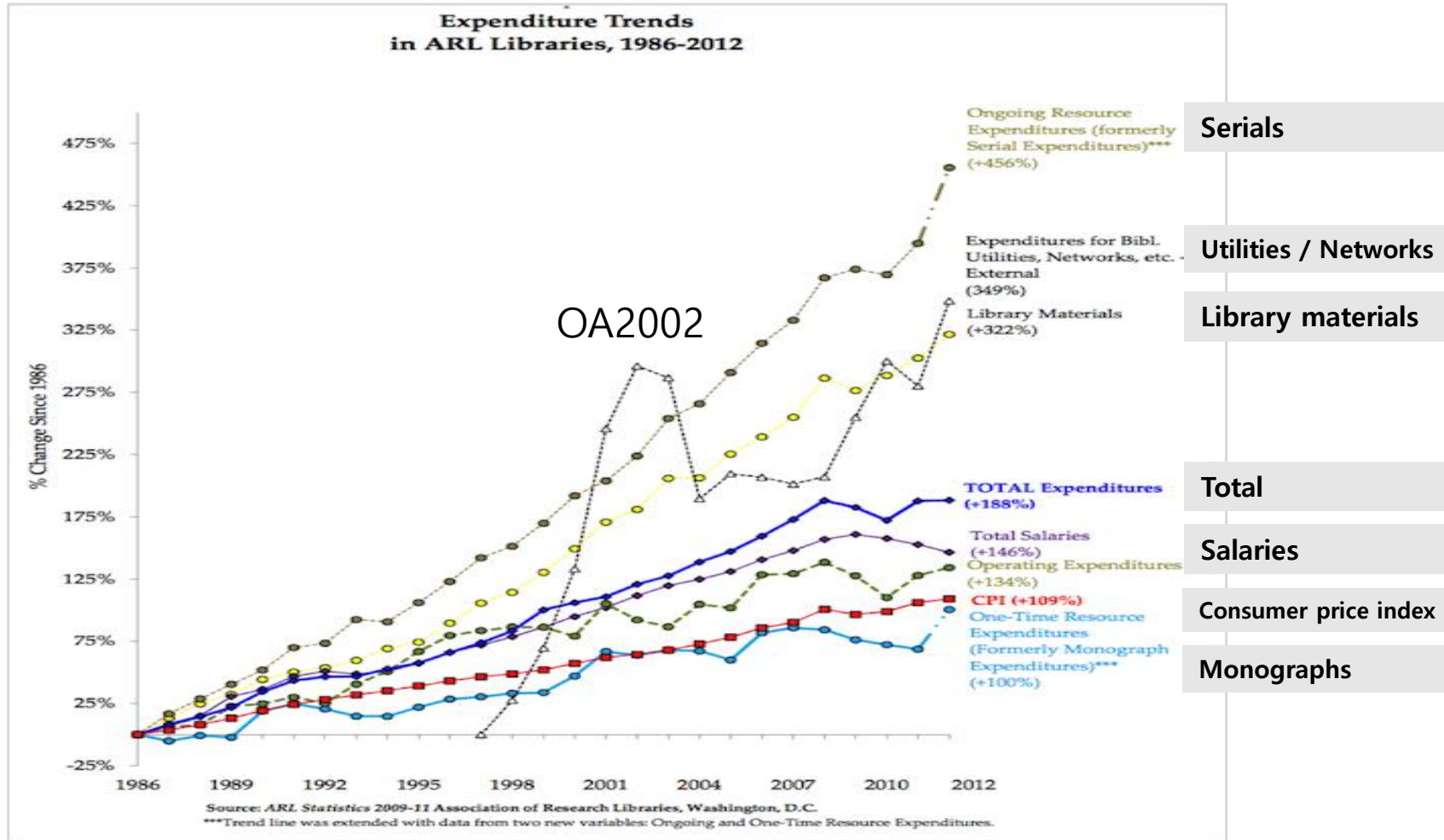
### No. of articles indexed by Web of Sciences



논문 팽창을 인간의 업적이라고만 평가할 것인가?

OA

Serials expenditure at Academic libraries: 5-7% increase every year.  
Higher rate compared to consumer price index or salaries.  
Open access 2002 did not change the growth rate.



연구자만 모르는 진실: 빛의 속도로 증가하는 연구비 유출!





## OA publishers founded many new journals from 2002: BMC, Hindawi

BMC Anesthesiology  
BMC Biochemistry  
BMC Bioinformatics  
BMC Biology  
BMC Biophysics  
BMC Biotechnology  
BMC Cancer  
BMC Cardiovascular Disorders  
BMC Cell Biology  
BMC Clinical Pathology  
BMC Complementary and Alternative Medicine  
BMC Dermatology  
BMC Developmental Biology  
BMC Ear, Nose and Throat Disorders  
BMC Ecology  
BMC Emergency Medicine  
BMC Endocrine Disorders  
BMC Evolutionary Biology  
BMC Family Practice  
BMC Gastroenterology  
BMC Genetics  
BMC Genomics  
BMC Geriatrics  
BMC Health Services Research  
BMC Hematology  
BMC Immunology  
BMC Infectious Diseases  
BMC International Health and Human Rights  
BMC Medical Education  
BMC Medical Ethics  
BMC Medical Genetics  
BMC Medical Genomics  
BMC Medical Imaging  
BMC Medical Informatics and Decision Making

BMC Medical Research Methodology  
BMC Medicine  
BMC Microbiology  
BMC Molecular Biology  
BMC Musculoskeletal Disorders  
BMC Nephrology  
BMC Neurology  
BMC Neuroscience  
BMC Nursing  
BMC Nutrition  
BMC Obesity  
BMC Ophthalmology  
BMC Oral Health  
BMC Palliative Care  
BMC Pediatrics  
BMC Pharmacology and Toxicology  
BMC Physiology  
BMC Plant Biology  
BMC Pregnancy and Childbirth  
BMC Proceedings  
BMC Psychiatry  
BMC Psychology  
BMC Public Health  
BMC Pulmonary Medicine  
BMC Research Notes  
BMC Sports Science, Medicine and Rehabilitation  
BMC Structural Biology  
BMC Surgery  
BMC Systems Biology  
BMC Urology  
BMC Veterinary Research  
BMC Women's Health  
BMC Zoology

Advances in Acoustics and Vibration  
Advances in Agriculture  
Advances in Artificial Intelligence  
Advances in Artificial Neural Systems  
Advances in Astronomy  
Advances in Bioinformatics  
Advances in Biology  
Advances in Botany  
Advances in Chemistry  
Advances in Civil Engineering  
Advances in Computer Engineering  
Advances in Condensed Matter Physics  
Advances in Decision Sciences  
Advances in Ecology  
Advances in Electrical Engineering  
Advances in Endocrinology  
Advances in Epidemiology  
Advances in Fuzzy Systems  
Advances in Hematology  
Advances in High Energy Physics  
Advances in Human-Computer Interaction  
Advances in Materials Science and Engineering  
Advances in Mathematical Physics  
Advances in Medicine  
Advances in Meteorology  
Advances in Multimedia  
Advances in Neuroscience  
Advances in Numerical Analysis  
Advances in Nursing  
Advances in Operations Research  
Advances in Optical Technologies  
Advances in OptoElectronics  
Advances in Orthopedic Surgery  
Advances in Orthopedics  
Advances in Pharmacological Sciences  
Advances in Physical Chemistry  
Advances in Power Electronics  
Advances in Preventive Medicine  
Advances in Psychiatry

Advances in Public Health  
Advances in Software Engineering  
Advances in Tribology  
Advances in Urology  
Advances in Virology  
Case Reports in Anesthesiology  
Case Reports in Cardiology  
Case Reports in Critical Care  
Case Reports in Dentistry  
Case Reports in Dermatological Medicine  
Case Reports in Emergency Medicine  
Case Reports in Endocrinology  
Case Reports in Gastrointestinal Medicine  
Case Reports in Genetics  
Case Reports in Hematology  
Case Reports in Hepatology  
Case Reports in Immunology  
Case Reports in Infectious Diseases  
Case Reports in Medicine  
Case Reports in Nephrology  
Case Reports in Neurological Medicine  
Case Reports in Obstetrics and Gynecology  
Case Reports in Oncological Medicine  
Case Reports in Ophthalmological Medicine  
Case Reports in Orthopedics  
Case Reports in Otolaryngology  
Case Reports in Pathology  
Case Reports in Pediatrics  
Case Reports in Psychiatry  
Case Reports in Pulmonology  
Case Reports in Radiology  
Case Reports in Rheumatology  
Case Reports in Surgery  
Case Reports in Transplantation  
Case Reports in Urology  
Case Reports in Vascular Medicine  
Case Reports in Veterinary Medicine





## Non-OA publishers also founded many new journals: Nature Publishing Group and others

Acta Pharmacologica Sinica  
American Journal of Gastroenterology  
American Journal of Gastroenterology Supplements  
BDJ Open  
BDJ Team  
Blood Cancer Journal  
Bone Marrow Transplantation  
BoneKEY Reports  
Bone Research  
British Dental Journal  
British Journal of Cancer  
Cancer Gene Therapy  
Cell Death & Differentiation  
Cell Death & Disease  
Cell Death Discovery  
Cell Discovery  
Cell Research  
Cellular & Molecular Immunology  
Clinical and Translational Gastroenterology  
Clinical & Translational Immunology  
Emerging Microbes & Infections  
European Journal of Clinical Nutrition  
European Journal of Human Genetics  
Evidence-Based Dentistry  
Experimental & Molecular Medicine  
Eye  
Gene Therapy  
Genes and Immunity  
Genetics in Medicine  
Heredity  
History of the journal Nature  
Horticulture Research  
Human Genome Variation  
Hypertension Research  
IBMS BoneKEY  
Immunology & Cell Biology  
International Journal of Impotence Research  
International Journal of Obesity  
International Journal of Obesity Supplements  
International Journal of Oral Science  
The ISME Journal

The Journal of Antibiotics  
Journal of Exposure Science and Environmental Epidemiology  
Journal of Human Genetics  
Journal of Human Hypertension  
Journal of Perinatology  
Laboratory Investigation  
Leukemia  
Leukemia Supplements  
Light: Science & Applications  
Microsystems & Nanoengineering  
Modern Pathology  
Molecular Psychiatry  
Molecular Therapy  
Molecular Therapy — Methods & Clinical Development  
Molecular Therapy — Nucleic Acids  
Molecular Therapy — Oncolytics  
Mucosal Immunology  
Nature  
Nature Arabic Edition  
Nature Astronomy  
Nature Biomedical Engineering  
Nature Biotechnology  
Nature Cell Biology  
Nature Chemical Biology  
Nature Chemistry  
Nature Climate Change  
Nature Communications  
Nature Digest  
Nature Ecology & Evolution  
Nature Energy  
Nature Genetics  
Nature Geoscience  
Nature Human Behaviour  
Nature Immunology  
Nature Materials  
Nature Medicine  
Nature Methods  
Nature Microbiology  
Nature Nanotechnology

Nature Neuroscience  
Nature Photonics  
Nature Physics  
Nature Plants  
Nature Protocols  
Nature research journals  
Nature Reviews journals  
Nature Reviews Cancer  
Nature Reviews Cardiology  
Nature Reviews Chemistry  
Nature Reviews Clinical Oncology  
Nature Reviews Disease Primers  
Nature Reviews Drug Discovery  
Nature Reviews Endocrinology  
Nature Reviews Gastroenterology and Hepatology  
Nature Reviews Genetics  
Nature Reviews Immunology  
Nature Reviews Materials  
Nature Reviews Microbiology  
Nature Reviews Molecular Cell Biology  
Nature Reviews Nephrology  
Nature Reviews Neurology  
Nature Reviews Neuroscience  
Nature Reviews Rheumatology  
Nature Reviews Urology  
Nature Structural and Molecular Biology  
Neuropsychopharmacology  
NPG Asia Materials  
npj 2D Materials and Applications  
npj Aging and Mechanisms of Disease  
npj Biofilms and Microbiomes  
npj Breast Cancer  
npj Clean Water  
npj Climate and Atmospheric Science  
npj Computational Materials  
npj Flexible Electronics  
npj Genomic Medicine  
npj Materials Degradation

npj Microgravity  
npj Molecular Phenomics  
npj Parkinson's Disease  
npj Precision Oncology  
npj Primary Care Respiratory Medicine  
npj Pollution Control  
npj Quantum Information  
npj Quantum Materials  
npj Regenerative Medicine  
npj Schizophrenia  
npj Science of Food  
npj Science of Learning  
npj Systems Biology and Applications  
npj Vaccines  
Nutrition & Diabetes  
Oncogene  
Oncogenesis  
Pediatric Research  
The Pharmacogenomics Journal  
Polymer Journal  
Prostate Cancer and Prostatic Diseases  
Scientific American  
Scientific American Mind  
Scientific Data  
Scientific Reports  
Scitable Genetics  
Signal Transduction and Targeted Therapy  
Spinal Cord  
Spinal Cord Series and Cases  
Translational Psychiatry

# 문제는?

- 인터넷의 원리가 작동하지 않나요?
- 논문 구독료의 경제 원칙이 작동하지 않나요?
- 우리 논문의 상대적 가치 하락

## 왜?

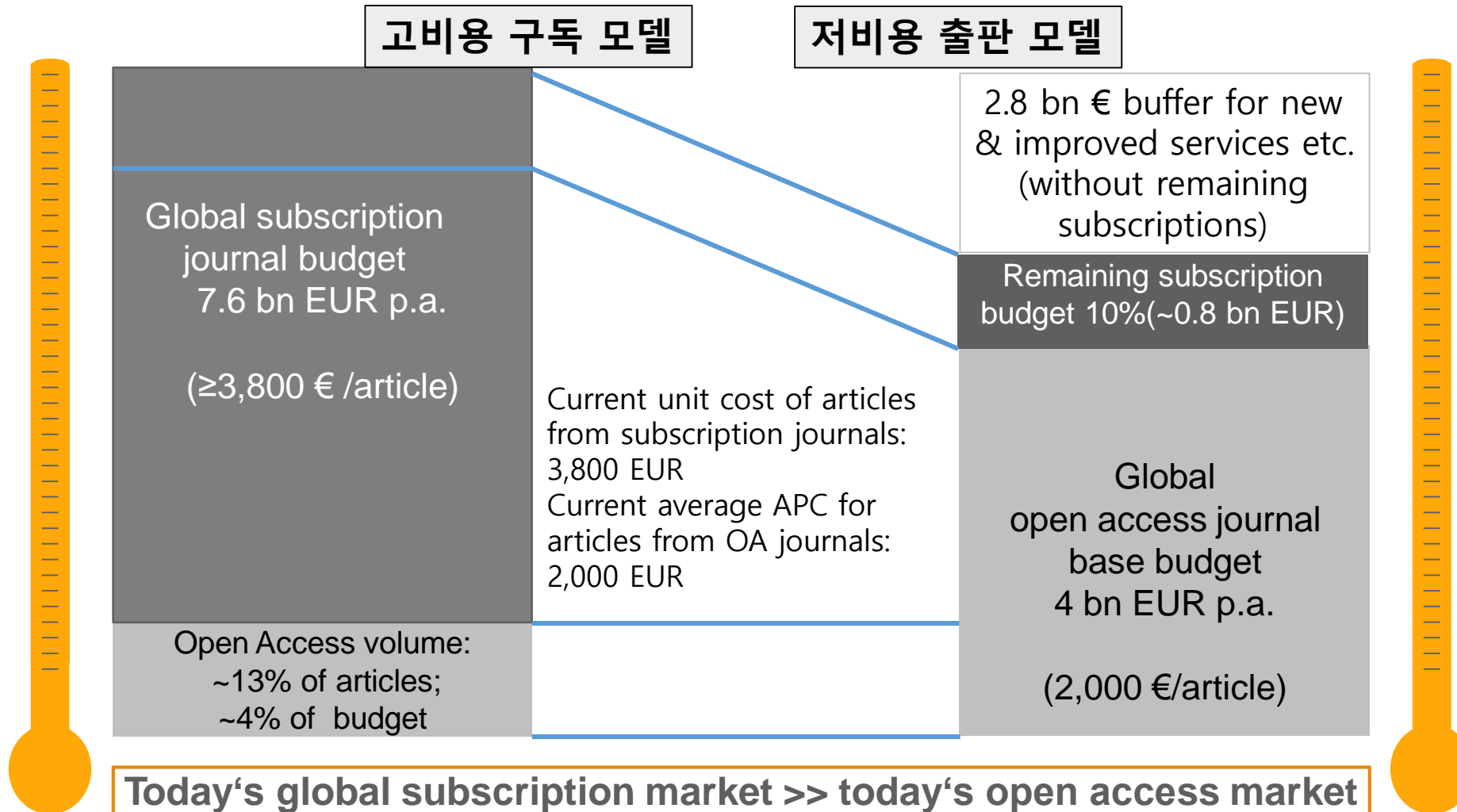
- 출판 논문의 폭발적인 증가가 근본 원인
- 연구자의 무관심, 저작권 포기 관행이 문제 증폭
- 도서관에 대한 자원 확충이 문제를 왜곡 심화

# 초심으로 돌아가자

- 논문 수를 늘리기 위해서 연구하나?
- 논문을 장롱 속에 감추려고 연구하나?
- 나는 진정 연구 논문의 주인인가?
- 내 저작권은 보호되고 있나?
- 소외되는 이웃은 누구인가?

생산자 중심의 논문 출판 → 소비자 중심의 지식 확산

# Transformation means re-allocation of budgets and conversion of journals and processes



# 5가지 해결 방안(1/5)

- (외국 저널의 고수익 출판 비즈니스 확대 차단):
  - 저널과 논문 수 증가를 억제!
  - 기존 유료 출판 저널의 오픈액세스 전환
  - OECD, GRC, OA2020 등 국제적 대응 노력에 동참

**Say “NO” to redundant journals.**

## Researchers' view

Access more articles  
Get more research budget  
Publish more articles

## Librarians' view

Subscribe to more journals  
Satisfy institutions' researchers

## Publishers' view

Publish more journals/articles  
Make more money

## Aggregators' view

Easier search and access

연구자는 논문 편수 늘리고

도서관은 더 풍성해지고

Publishing more journals  
Publishing more articles  
More citations

출판사도 좋은 수익 모델

양적 팽창으로 지식 확산

Vicious Cycle of Publishing Expansion

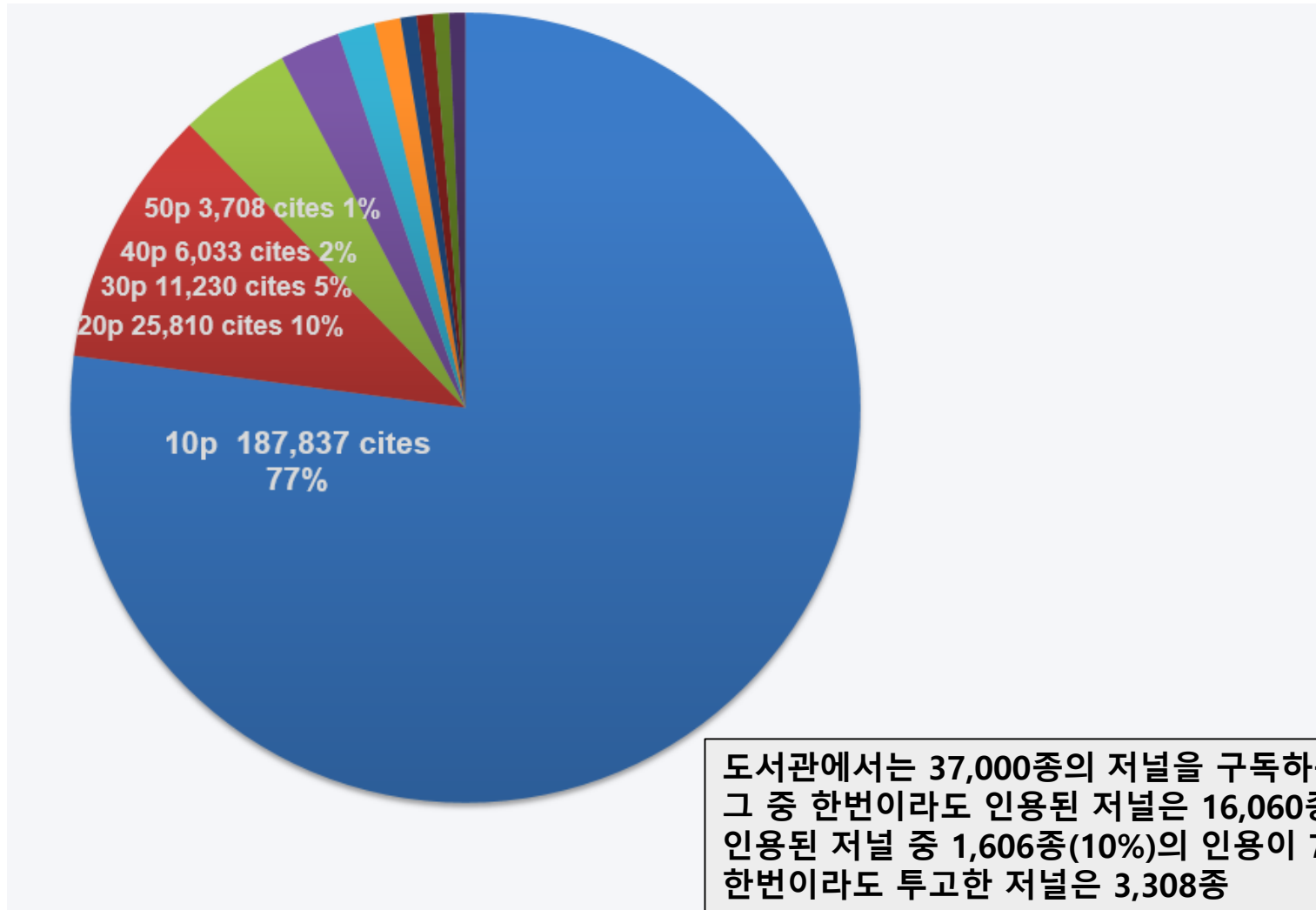
## 5가지 해결 방안(3/5)

- (도서관의 재정 지출 구도 수정):
  - 도서관 재정이 외국 출판사로 과다 지출되는 것은 정상적인 구도가 아니다!
- 도서관의 정상적인 자료 수집 정책 회복
  - 단행본 구입을 정상 수준으로 확대
  - 도서관 이용자를 위한 자료 분석 서비스 확대
  - 오픈 액세스 자료 이용 지원



# Analysis of cited references from 7,433 articles in SCI journals published by SNU researchers in 2014

A total of 7,433 articles cited 243,622 references from 16,060 journals.



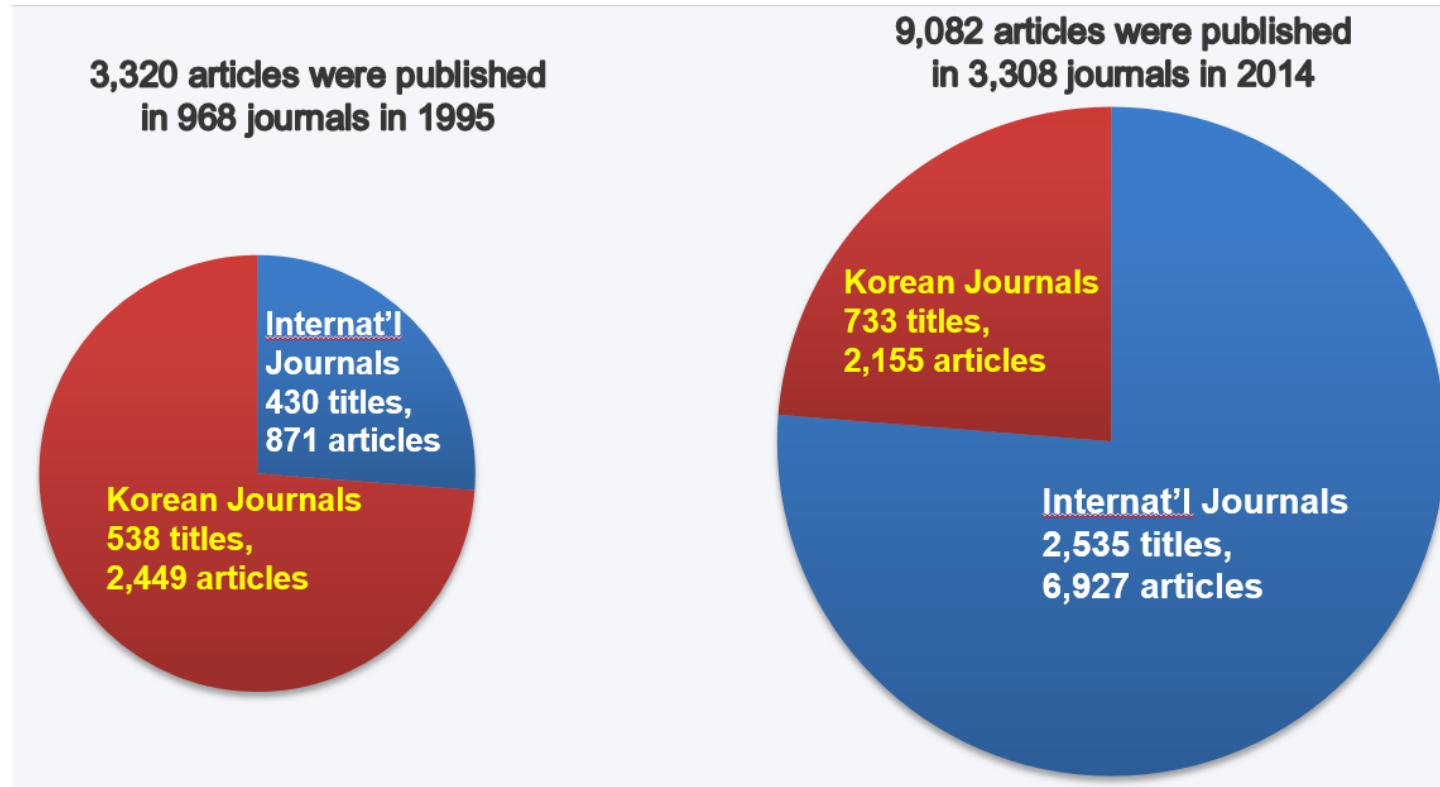


## 5가지 해결 방안(2/5)

- (국내 저널의 저비용 출판 확대):
  - 저비용으로 저널을 출판하는 국내 환경은 소중하다:  
보급과 확대
  - APC 인상하는 외국 출판사를 따라갈 필요가 없다.
  - 수록 논문 편수를 늘리는 것도 참아야 한다.
  - 모든 연구가 외국 저널에 실려야 하는 것은 아니다.

## 서울대학교 교수들의 논문 출판 (1995 → 2014)

No. of articles published by SNU authors in local or international journals

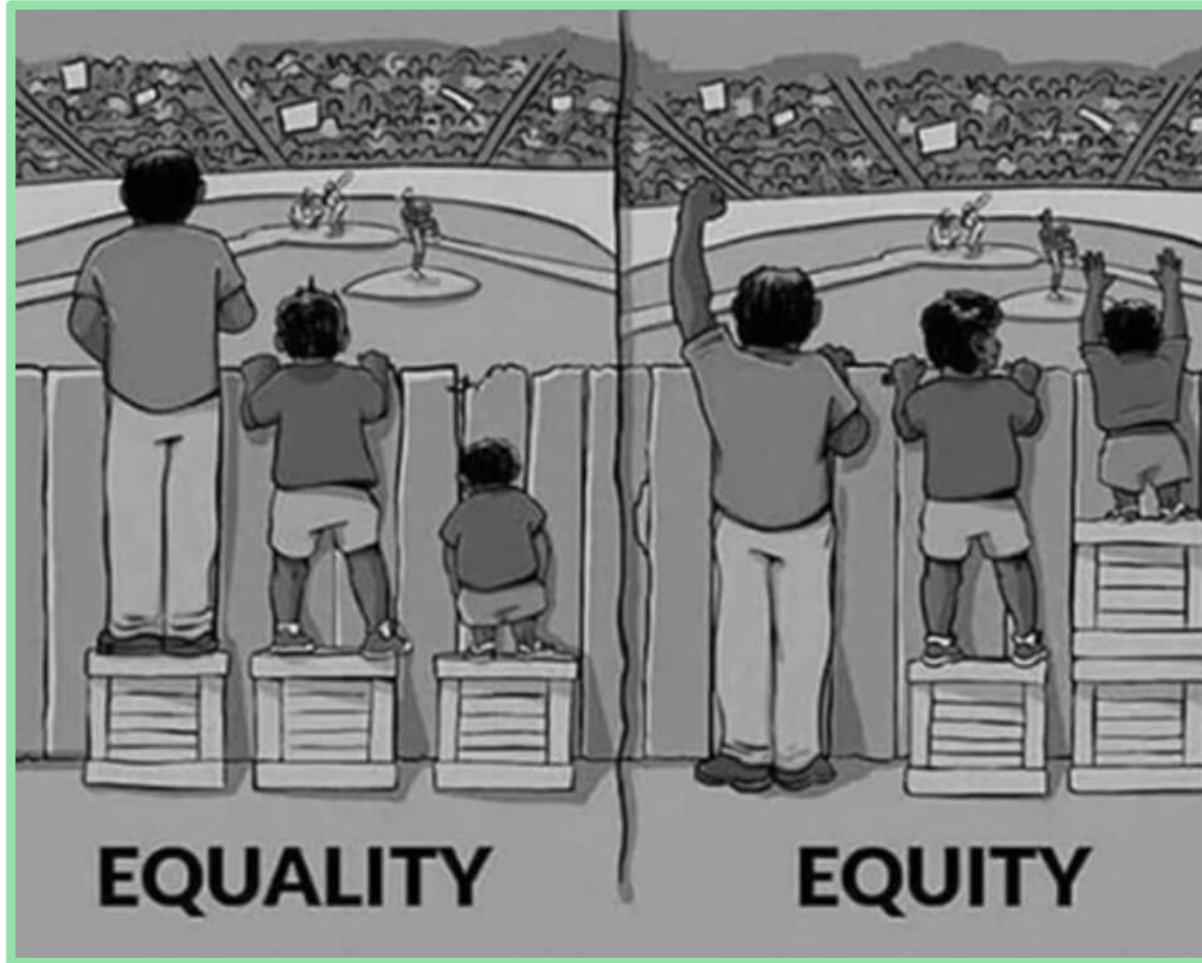


- 1) Articles in Korean journals: 2,449 → 2,155 (12% decreased)
  - 2) Articles in international journals: 871 → 6,927 (795% increased)
  - 3) Proportion of articles in international journals: 26.2% → 76.3%
- ※ Korean researchers published more in international journals than in Korean journals

외국 출판 저널에 논문을 내야만 평가를 받는 이 시대의 연구 현실이 정상인가?

# 5가지 해결 방안(4/5)

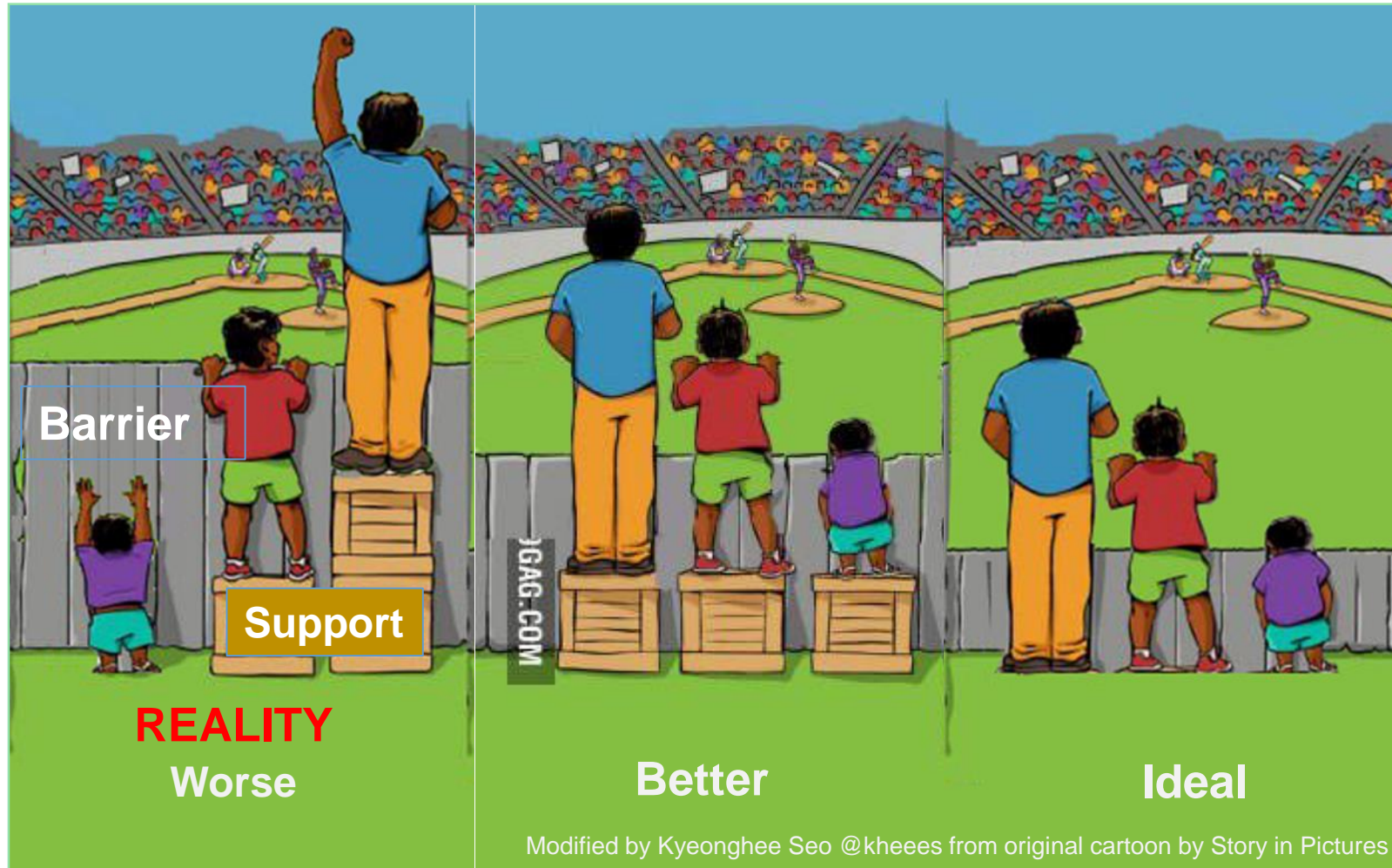
- (학술 연구 결과물 접근 - 장벽과 지원):
  - 학술 정보 접근에 대한 “장벽”은 낮추어야 한다.
  - 학술 지식 접근에 대한 “지원”은 공평해야 한다.
- 해결 방안:
  - 학술정보 검색 환경 개선
  - 오픈 액세스를 통한 보편적 지식 자원 확대
  - 개인 연구자의 유료 저널 구독 지원



Equality: is giving people the same thing/s.

Equity: is fairness in every situation

By Story in Pictures @storyinpicture <https://t.co/52oRXpCQag>



REALITY- The current situation is **worse** than equality but not the **worst**.

Open access is to reduce access barrier and to increase support by proper use of resources.

**Better:** Some reduction of barrier and some support is an option.

**Ideal:** Major reduction of barrier and free use of scholarly information is the ideal future.





## DOAJ Widgets

You can embed tools on your own site which interact with the DOAJ. There are two available:

- **Simple Search** - a search box which opens the DOAJ with your search text
- **Fixed Query** - embed a specific set of results from a pre-defined query to the DOAJ

More information about this feature can be found on the [widgets page](#).

## OAI-PMH

Our OAI-PMH service was updated in April 2015. In that update we reinstated the doajarticle metadata tag and provided more granularity to the data. The notes below have been updated to reflect this change.

DOAJ supports OAI-PMH feeds for both Journals and Articles, at different URL-s.

### Journal Feed

**Identify** - you can get to the base Identify endpoint here: <http://www.doaj.org/oai?verb=Identify>.

**ListSets** - DOAJ provides all its subject classifications as OAI-PMH sets, so you can harvest just those you are interested in. A full list of the sets can be found at <http://www.doaj.org/oai?verb=ListSets>.

**ListMetadataFormats** - DOAJ currently supports only `oai_dc`, which can be seen here: <http://www.doaj.org/oai?verb=ListMetadataFormats>.

The metadata held by DOAJ is mapped to Dublin Core in the OAI-PMH feed, with the following interpretations for each Journal field:

Dublin Core	Meaning within DOAJ
title	The title of the journal
identifier	The ISSN of the journal (both print and electronic) or a link back to the DOAJ record for this journal
subject	free-text keywords or formal subject classifications. Formal classifications are prefixed by their scheme (e.g. CLASSIFICATION:Science), except in the case of Library of Congress Classification. LCC subjects are denoted by an additional attribute on this element, <code>xsi:type="dcterms:LCSH"</code> .
language	The languages that can appear in this journal

10,528 Journals  
7,621 searchable at  
Article level  
122 Countries  
2,733,092 Articles

#### FAQs

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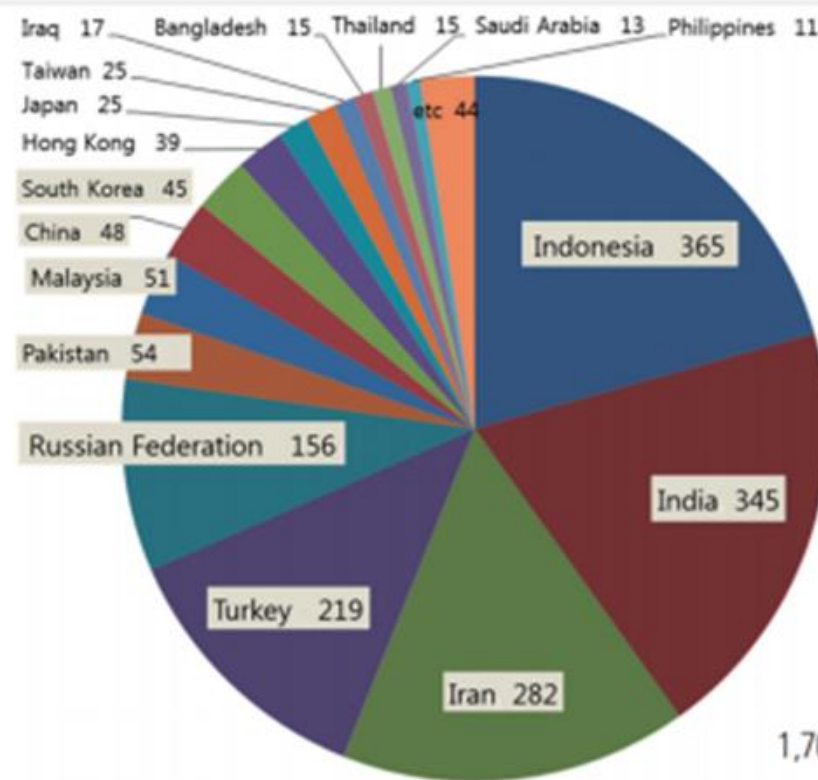
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SUPPORT  
DOAJ

## No. of Asian journals in the DOAJ (Directory of Open Access Journals)



Nepal	8
Qatar	7
Sri Lanka	7
Singapore	4
Georgia	3
Armenia	2
Azerbaijan	2
Korea, Democratic People's Republic of	2
Kyrgyzstan	2
Lebanon	2
Brunei Darussalam	1
Cambodia	1
Kazakhstan	1
Palestine, State of	1
Viet Nam	1

1,769 Open access journals from Asia

Seo JW et al. Equality, equity, and reality of open access on scholarly information. Science Editing 2017;4(2): 58-69. 5

The Directory of Open Access Repositories - OpenDOAR

Search for repositories | Search repository contents | List of repositories | Repository Statistics

OpenDOAR is an authoritative directory of academic open access repositories. Each OpenDOAR repository has been visited by project staff to check the information that is recorded here. This in-depth approach does not rely on automated analysis and gives a quality-controlled list of repositories.

As well as providing a simple repository list, OpenDOAR lets you search for repositories or search repository contents. Additionally, we provide tools and support to both repository administrators and service providers in sharing best practice and improving the quality of the repository infrastructure. Further explanation of these features is given in a project document Beyond the list.

The current directory lists repositories and allows breakdown and selection by a variety of criteria - see the Find page - which can also be viewed as statistical charts. The underlying database has been designed from the ground up to include in-depth information on each repository that can be used for search, analysis, or use of services like text-mining. The OpenDOAR service is incrementally developing the current service as new information is introduced. A list of Upgrades and Additions is available.

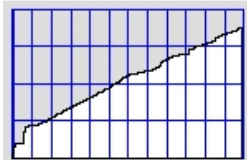
Developments will be of use both to users wishing to research papers and for service providers like search engines which need easy-to-use tools for developing services to suit specific user communities.

OpenDOAR is one of the SHERPA Services including JULIET, run by the Centre for Research Communications. Current development work is currently funded by JISC contributions from the CRC host organisation, the University of Nottingham.

OpenDOAR has also been identified as a key resource (K.B.Oliver & R.Swain, 2006 - PDF) and identified as a study by Johns Hopkins University. OpenDOAR was awarded the 2007 SPARC Europe Award for Scholarly Communications.

More information on the project is available on this site.

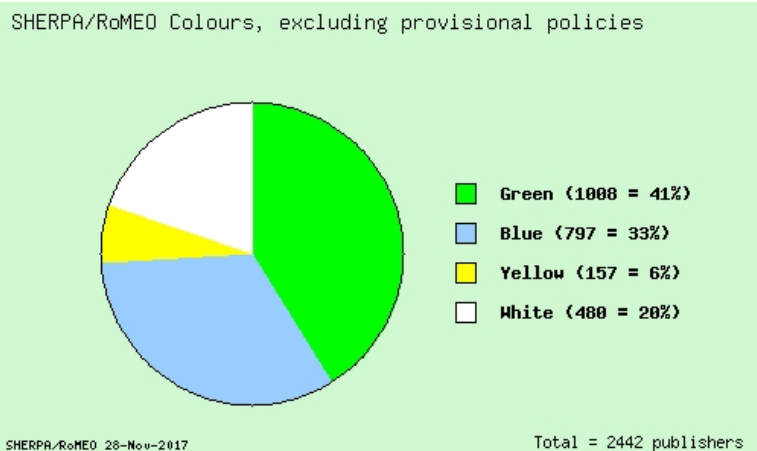
OpenDOAR has over 2600 listings!



Growth of the OpenDOAR Database

RoMEO colour	Archiving policy	Publishers	%
green	Can archive pre-print and post-print	1008	41
blue	Can archive post-print (ie final draft post-refereeing)	797	33
yellow	Can archive pre-print (ie pre-refereeing)	157	6
white	Archiving not formally supported	480	20

Summary: 80% of publishers on this list formally allow some form of self-archiving.



Publisher copyright policies & self-archiving

English | Español | Magyar | Nederlands | Português

Search

Journal titles or ISSNs Publisher names

Exact title starts with contains ISSN

Advanced Search Search Reset

Use this site to find a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.

Special RoMEO Pages

- RoMEO Statistics
- Application Programmers' Interface (API)
- Publisher Categories in RoMEO
- Definitions and Terms

Additions and Updates RSS1 Feed

- Royal College of Physicians of Edinburgh - Royal College of Physicians of Edinburgh - 16-Nov-2017
- Bio-Protocol - Bio-Protocol - 09-Nov-2017
- Open Journals - Open Journals - 31-Oct-2017

Other SHERPA Services

Search - Publisher copyright policies & self-archiving

English | Español | Magyar | Nederlands | Português

8 publishers found when searched for: Country: Korea, Republic of

Important: Although publishers have default policies, individual journals may have special permissions, especially if they involve other organisations or have paid open access options. Always run a journal title or ISSN search to check.

Publisher (linked to the full RoMEO details)	RoMEO Colour	Default Policies	Journal List
Ecological Society of Korea	Blue	Default Policies	Journal list
Korea Health Personnel Licensing Examination Institute	Blue	Default Policies	Journal list
Korea Institute for International Economic Policy (KIEP)	Green	Default Policies	Journal list
Korea Institute of Science and Technology Information (KISTI)	Blue	Default Policies	Journal list
Korean Academy of Medical Sciences	Blue	Default Policies	Journal list
Korean Pharmacopuncture Institute	Green	Default Policies	Journal list
Korean Society of Pathologists	Blue	Default Policies	Journal list
Sejong University, Sejong Institution, Center for International Economics	Blue	Default Policies	Journal list



Map of East Asia showing the number of mobile phone towers per 100,000 people in 2017. The map includes North Korea, South Korea, and Japan. Numbers are shown in blue circles for North Korea and yellow circles for South Korea and Japan. The map is sourced from Google and SK Telecom.

Country	Location	Number of Towers per 100,000 People
North Korea	Pyongyang (평양)	3
North Korea	Hamhung (함흥)	3
North Korea	Chongryon (청룡)	3
North Korea	Changwon (창원)	2
North Korea	Shanghai (상하이)	2
North Korea	Anhui (안hui)	2
North Korea	Shandong (산둥)	2
North Korea	Shaanxi (산시)	2
North Korea	Shaanxi (산시)	4
North Korea	Shaanxi (산시)	24
South Korea	Seoul (서울)	19
South Korea	Busan (부산)	4
South Korea	Ulsan (울산)	19
South Korea	Daegu (대구)	20
South Korea	Osaka (오사카)	47
Japan	Osaka (오사카)	57
Japan	Nagoya (나고야)	57
Japan	Saitama (사이타마)	6
Japan	Saitama (사이타마)	5
Japan	Saitama (사이타마)	12



# 5가지 해결 방안(5/5)

- (오픈 액세스 활성화 환경);
  - (저작권) 저작권에 대한 올바른 이해
  - (검색 엔진) 국내외 학술 논문의 통합 검색이 가능해야 한다.
  - (연구실적 평가) 연구 결과 평가 방식의 보완:  
생산자 중심에서 소비자 중심으로
  - (제도) 오픈 액세스에 대한 제도적 기반 조성
  - (협력) 국제 협력을 통한 오픈 사이언스 학술 협력 확대



# Thank You

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