

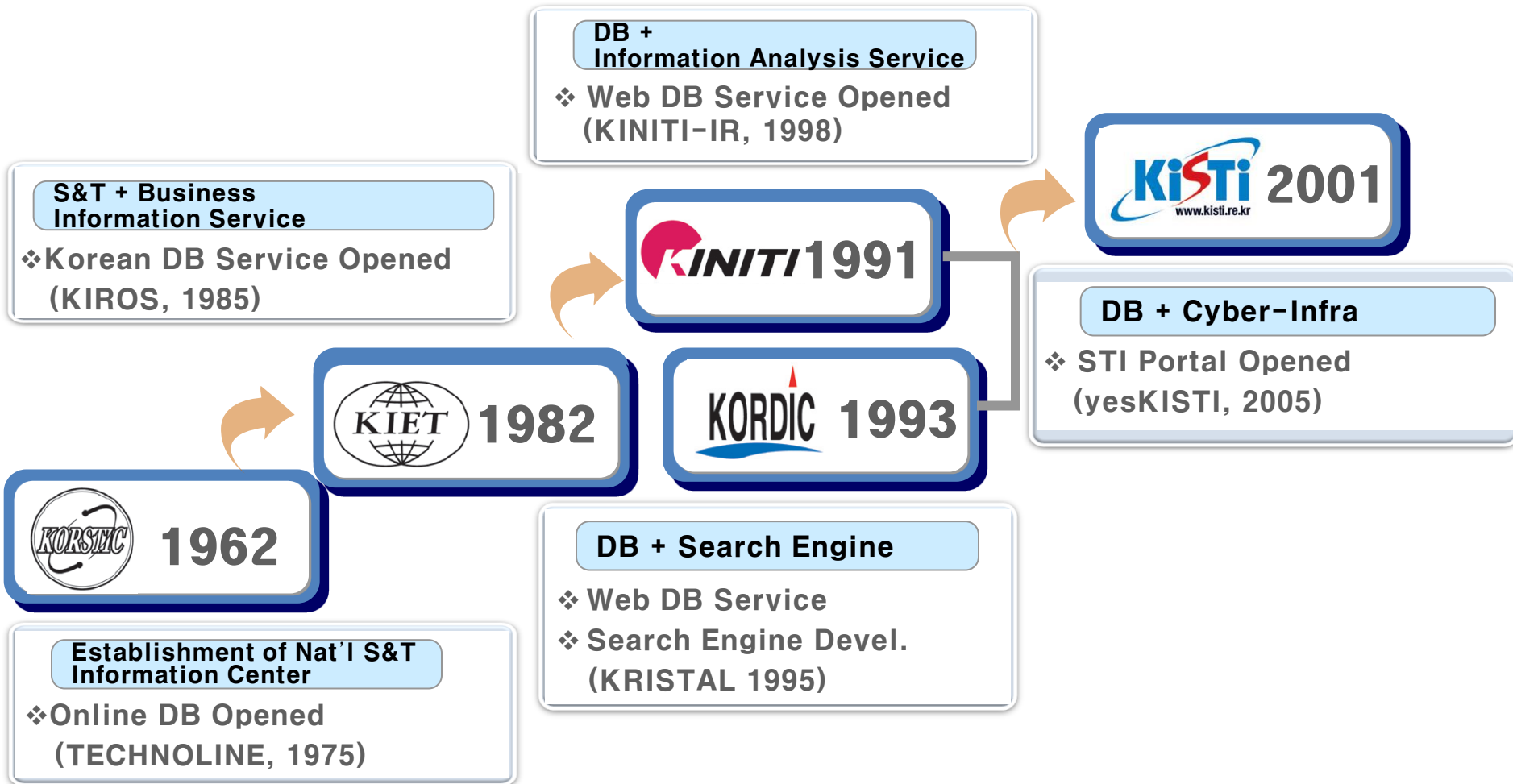
KISTI's Global Services of Korean Scientific Journals

August 22, 2015

Tae-Sul Seo

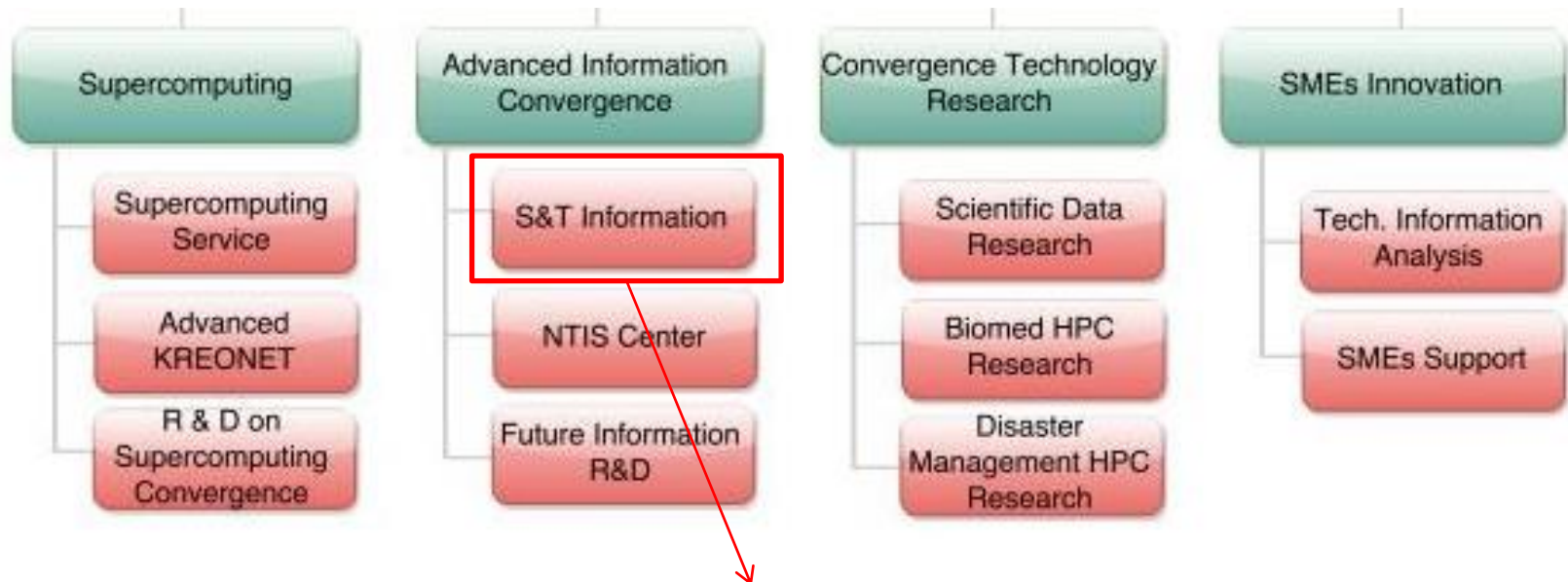
Korea Institute of Science and Technology
Information(KISTI)

About KISTI



About KISTI

- Korea Institute of Science and Technology Information
 - A Research Institute under umbrella of MSIP (Ministry of Science, ICT and Future Planning) of Korean Government



- Collection and management of S&T information and the development of its service system

Agenda

- **Background**
- **History**
- **Service**
- **Content**
- **Usage**
- **Vision**



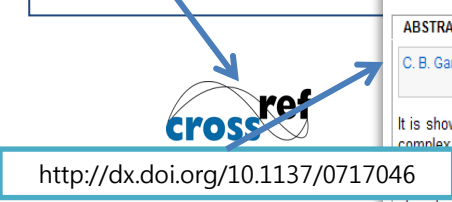
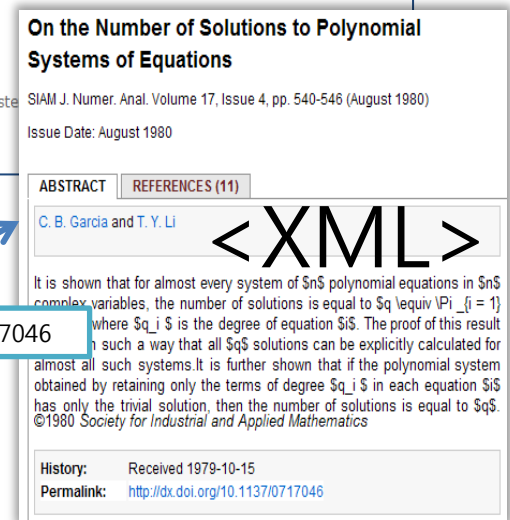
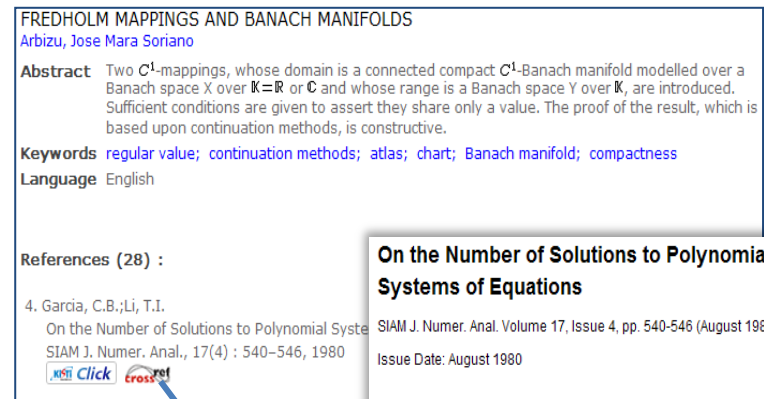
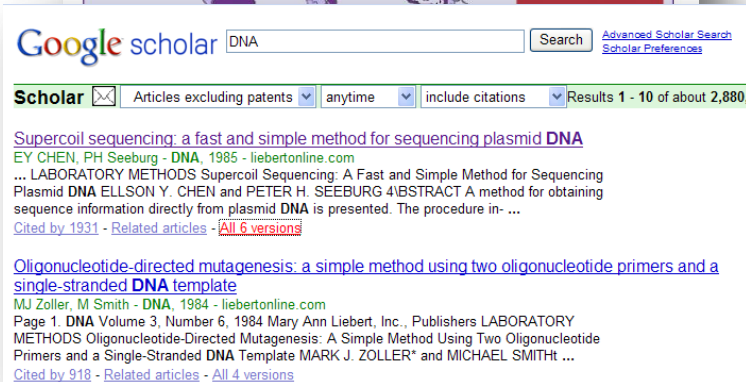
Background



Background

- Emergence of global services

- Increasing number of e-journal using DOI and XML



History

• Incubation

- 2007: Prototype development
- 2008: Model service development
 - Linked to WWS.org
- 2009~2010: Model service improvement
 - Landing pages to CrossRef/DOI



• Development

- 2011~2012: Regular service level
 - Split to KS and KSP








• Maturity

- 2013~: Increasing number of journals
 - Indexed by Google



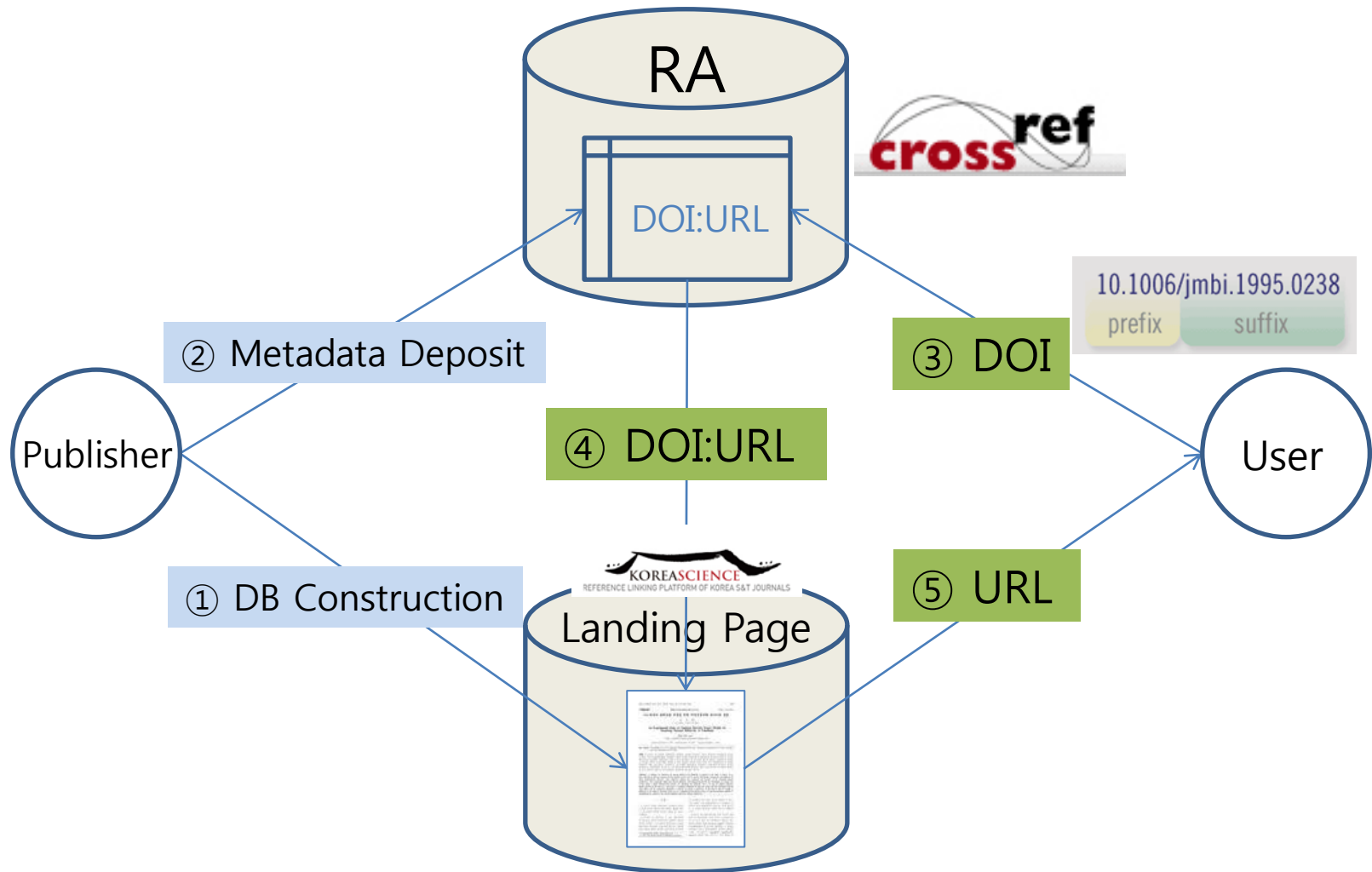
History

● Annals of KISTI's DOI Service

Dec. 2007	The first DOI assignment was performed as a sponsoring member representing scholarly societies in Korea.	
Jan. 2008	KoreaScience was opened to be a DOI landing page for Korean S&T journals.	
Mar. 2008	The first deposition of DOI XML was successfully performed.	
Jun. 2009	Cited-by-linking sign-up & Multiple resolution services were started.	
May 2010	Sign-up of CrossCheck , a plagiarism screening system	
Dec. 2011	143 journals	
Dec. 2012	272 journals	
Dec. 2013	347 journals	
Jul. 2015	430 journals	



Service



Service

DOI XML Deposit Format

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KoreaScience URL

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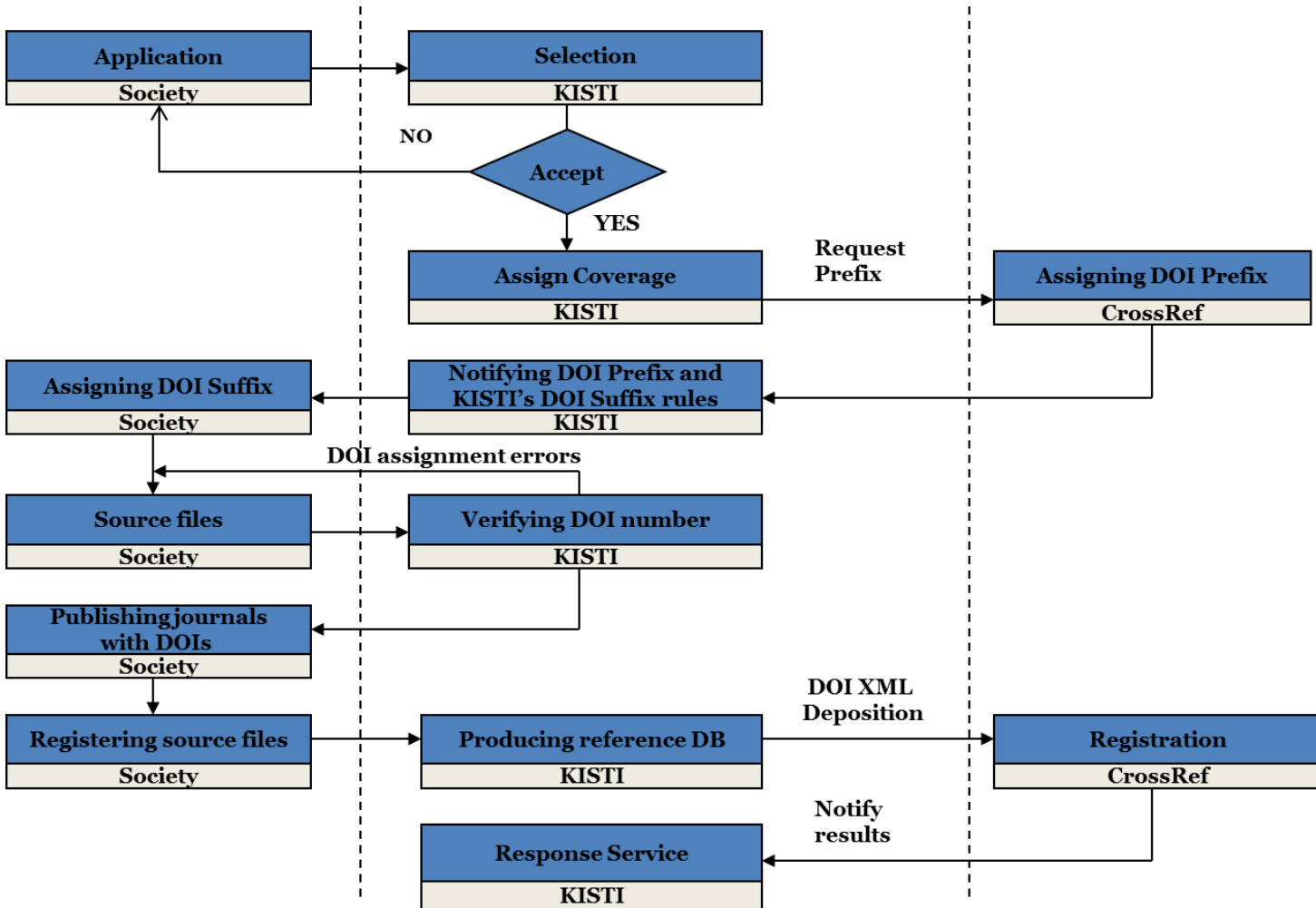
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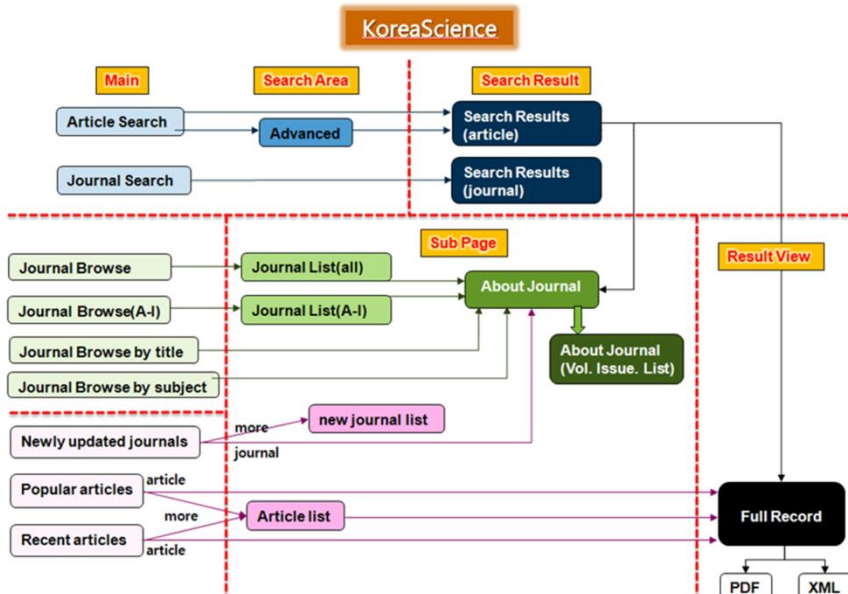
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Service



Service

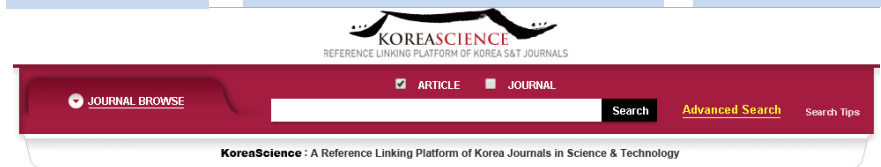
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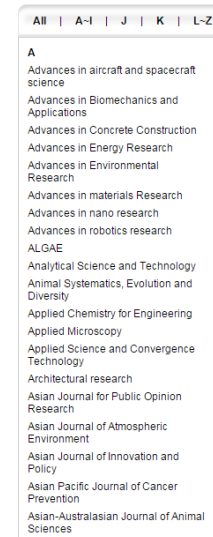
Journal Brows
By Alphabet
By Subject

Keyword Search (Journal/Article)
Popular Article
Recent Article

Dashboard
Notice
Related Links



Browse by Title



Newly Updated Journals



Popular Articles

- Korea's STEM Research Analysis Based on Publications in the Web of Science, 1968-2012
- A STUDY OF A NUCLEAR HYDROGEN PRODUCTION DEMONSTRATION PLANT
- Differential Roles of Vascular Endothelial Growth Factor Receptor-1 and Receptor-2 in Angiogenesis
- Baylis-Hillman Reaction and Chemical Transformations of Baylis-Hillman Adducts
- Recent Advances in the Innate Immunity of Invertebrate Animals

Recent Articles

- Effects of Aluminum Nanoparticles on Thermal Decomposition of Ammonium Perchlorate
- Instructional Influences of Explicit and Reflective Scientific Inquiry Learning Program about Nature of Scientific Inquiry
- Single-Crystal Structure of [Li₂...
- Analysis of Middle School Student Achievement Level in the National Achievement Test Focused on Chemistry
- Gender Differences among 9th Grade Student Achievement in the Science

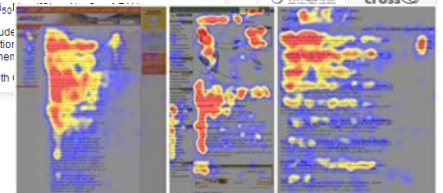
Statistics

As of Jul. 07, 2015

	Journals	Articles
DOI	422	182,423
SC(E)	32	55,314
SCOPUS	61	101,389

Notice

- Newly Added Journals 2015(Janu...
- Newly Added journals 2014
- Newly added journals(August-Se...
- Newly added journals(April~Jul...
- Newly added journals(January~M...



Service

All

KORASCIENCE
REFERENCE LINKING PLATFORM OF KOREA-SAT JOURNALS

JOURNAL BROWSE

HOME > Journal Browse > Browse by Title

Journal Browse 379 Journal(s) found

Print Email Excel

Browse by Title All | A-I | J | K | L-Z

Browse by Subject WoS SCOPUS

Journal	ISSN	Publisher	Coverage	Journal DOI	Language	Indexed in WoS SCOPUS
Advances in aircraft and spacecraft science	2287-528X	Techno-Press	2013	10.12989/aaas	English	
Advances in biomechanics and applications	2287-2094	Techno-Press	2013	10.12989/aba	English	
Advances in concrete construction	2287-5301	Techno-Press	2013	10.12989/acc	English	
Advances in Energy Research	2287-6316	Techno-Press	2013	10.12989/enr	English	
Advances in environmental research	2234-1722	Techno-Press	2012	10.12989/aer	English	
Advances in materials Research	2234-0912	Techno-Press	2012	10.12989/amr	English	
Advances in nano research	2287-237X	Techno-Press	2013	10.12989/anr	English	
Advances in robotics research	2287-4976	Techno-Press	2013	10.12989/arr	English	

Journal

Information

Volume & Issues 2013

ALGAE

- pISSN : 1226-2617
- eISSN : 2093-0860
- Journal DOI : 10.4490/algae
- Frequency : Quarterly
- Publisher : The Korean Society of Phycology
- Editor in Chief : Kwang-Young Kim

Volume 28, Issue 4 - Dec 2013

Volume 28, Issue 3 - Sep 2013

Volume 28, Issue 2 - Jun 2013

Volume 28, Issue 1 - Mar 2013

Aims & Scope ALGAE provides prompt publication of original works on phycology. Contributions may take the form of original research articles, review articles and book reviews. Research notes describing new techniques or equipment are welcome but they should include data that illustrate the usefulness of the technique. All aspects of fundamental and applied studies on algae are covered to provide common platform for the physiologist, cell biologist, oceanographer, geneticist and biochemist. ALGAE publishes articles on phylogenetics and taxonomy, ecology and population biology, physiology and biochemistry, cell and molecular biology, and biotechnology and applied phycology. This is an Open Access article distributed under the terms of the Creative Commons Attribution Non-Commercial License.

Publisher Information The Korean Society of Phycology

Language English

Subject Category

- WoS : Marine & Freshwater Biology
- SCOPUS : Agricultural and Biological Sciences (miscellaneous)

Indexed in

- WoS : Impact Factor(IF), Listed on April, 2013
- SCOPUS : Impact Factor(IF), Listed on May, 2013
- KSCIE : Impact Factor(IF), 0.236 in 2012

Article

Prostaglandin A_2 triggers a strong oxidative burst in *Laminaria*: a novel defense inducer in brown algae? Antonios, Gaquerel, Emmanuel, Strimtmatter, Martina, Salsau, Jean-Pierre, Potin, Philippe, Kupper, XML

An oxidative burst triggered by prostaglandin A_2 (PGA₂) in the brown alga keik *Laminaria digitata*, constituting the first such discovery in an alga and the second finding of an oxidative burst triggered by a prostaglandin in a living organism. This response is more powerful than the oxidative burst triggered by most other chemical elicitors in *Laminaria*. Also, it is dose-dependent and cannot be inhibited by diphenylene iodonium, suggesting that another source than NAD(P)H oxidase is operational in the production of reactive oxygen species. Despite the very strong oxidative response, rather few effects at other levels of signal transduction (15-hydroxy genome response) were observed. In contrast, the oxidative burst induced by PGA₂ in *Laminaria*, in a subsequent set of experiments in the

PDF

Keywords: Cytoper,

Language: English

Cited by: 21

References:

- Zar, J. H. 2003. Biostatistical analysis, 3rd ed. Prentice-Hall, Upper Saddle River, NJ, 826 pp.
- Arino, J. 2003. The deep roots of eukaryotes. Science 300:1703-1706.
- Baldridge, C. W. & Gerard, R. W. 1933. The extra respiration of phagocytosis. Am. J. Physiol. 103:235-236.
- Bestwick, C., Bolwell, P., Mansfield, J., Nicole, M. & Wojcik, P. 1999. Generation of the oxidative burst - scavenging for the truth. Trends Plant Sci 4:88-99.
- Bolwell, P., Davies, D. R., Genshi, C., Auh, C., Hetherington, G. W., & Mittler, B. B. 1998. Comparative biochemistry of the oxidative burst produced by rose and French bean cells reveals common mechanisms. Plant Physiol. 116:1379-1385.

Issue

in marine bacteria and red tide organisms in Korea Jeong, Hae Jin; issue 4, 2013, Pages 297-305 2013.28.4.297

2 Taxonomy and phylogeny of the genus *Cryptomonas* (Cryptophyceae, Cryptophyta) from Korea Choi, Bomi; Son, Misun; Kim, Jong Im; Shin, Woongghi; ALGAE, volume 28, issue 4, 2013, Pages 307-330 DOI: 10.4490/algae.2013.28.4.307

3 Ultrastructure of the flagellar apparatus in *Rhinomonas reticulata* var. *atrorosea* (Cryptophyceae, Cryptophyta) Nam, Seung Won; Go, Donghee; Son, Misun; Shin, Woongghi; ALGAE, volume 28, issue 4, 2013, Pages 331-341 DOI: 10.4490/algae.2013.28.4.331

4 Growth and ingestion rates of heterotrophic dinoflagellates and a ciliate on the mixotrophic dinoflagellate *Biecheleria cincta* Yoo, Yeong Du; Yoon, Eun Young; Lee, Kyung Ha; Kang, Nam Seon; Jeong, Hae Jin; ALGAE, volume 28, issue 4, 2013, Pages 343-354 DOI: 10.4490/algae.2013.28.4.343

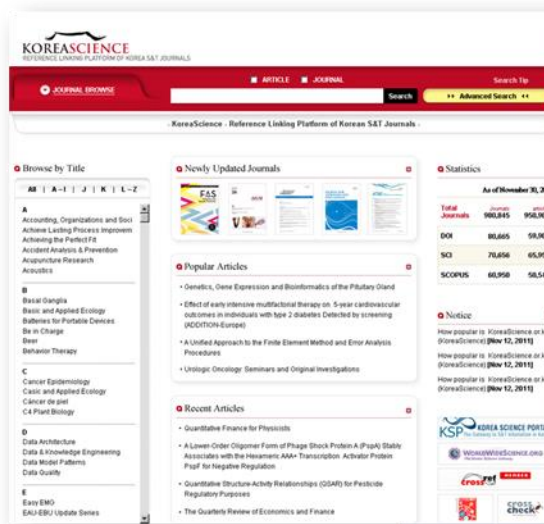
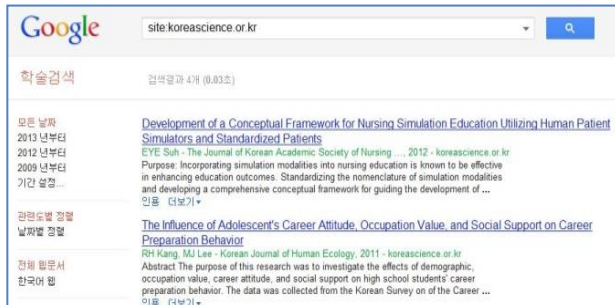
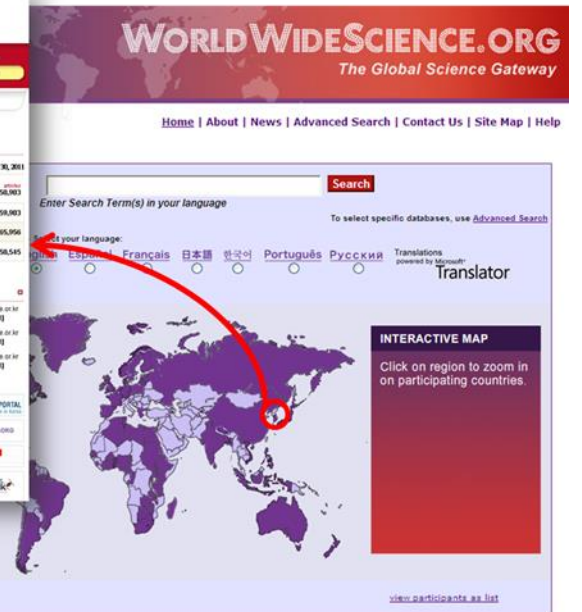
5 Photoacclimation strategies of the temperate coralline alga *Corallina officinalis*: a perspective on photosynthesis, calcification, photosynthetic pigment contents and growth Kim, Ju-Hyoung; Lam, Sao Mai N.; Kim, Kwang Young; ALGAE, volume 28, issue 4, 2013, Pages 355-363 DOI: 10.4490/algae.2013.28.4.355

6 Size determination of *Ecklonia cava* for successful transplantation onto artificial seaweed reef Kim, Young Dae; Shim, Jung Min; Park, Mi Seon; Hong, Jung-Pyo; Yoo, Hyun Il; Min, Byung Hwa; Jin, Hyung-Joo; Yanish, Charles; Kim, Jang K.; ALGAE, volume 28, issue 4, 2013, Pages 365-369 DOI: 10.4490/algae.2013.28.4.365

Service : KISTI's Role

- Activities as CrossRef co-sponsoring member
 - Assigning DOI prefix to Korean publishers
 - Participating in annual CrossRef meeting
 - DOI seminars for recruiting candidate DOI journals in Korea
- DOI-related services
 - DOI XML deposition
 - Operating landing pages (KoreaScience)
 - Resolving conflicts
 - Cited-by Service
 - CrossCheck Service

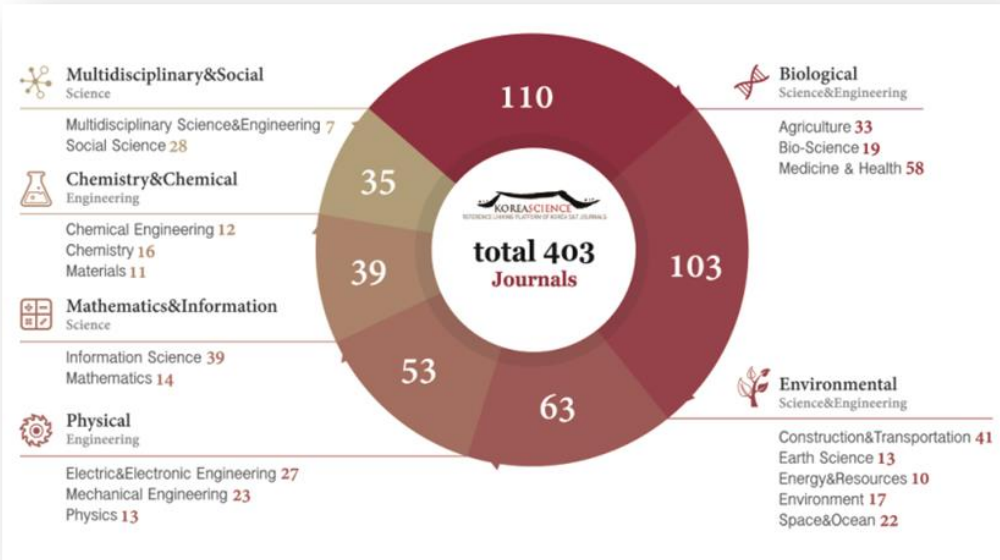
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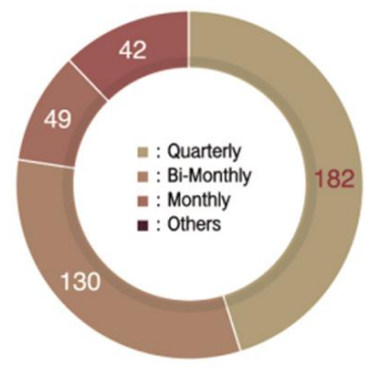
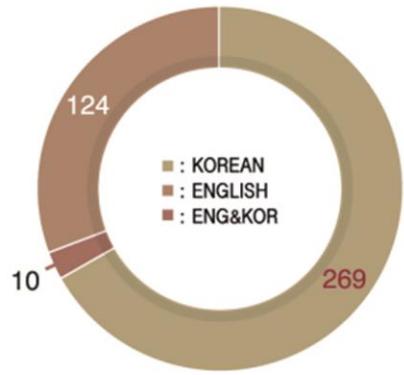
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WorldWideScience.org

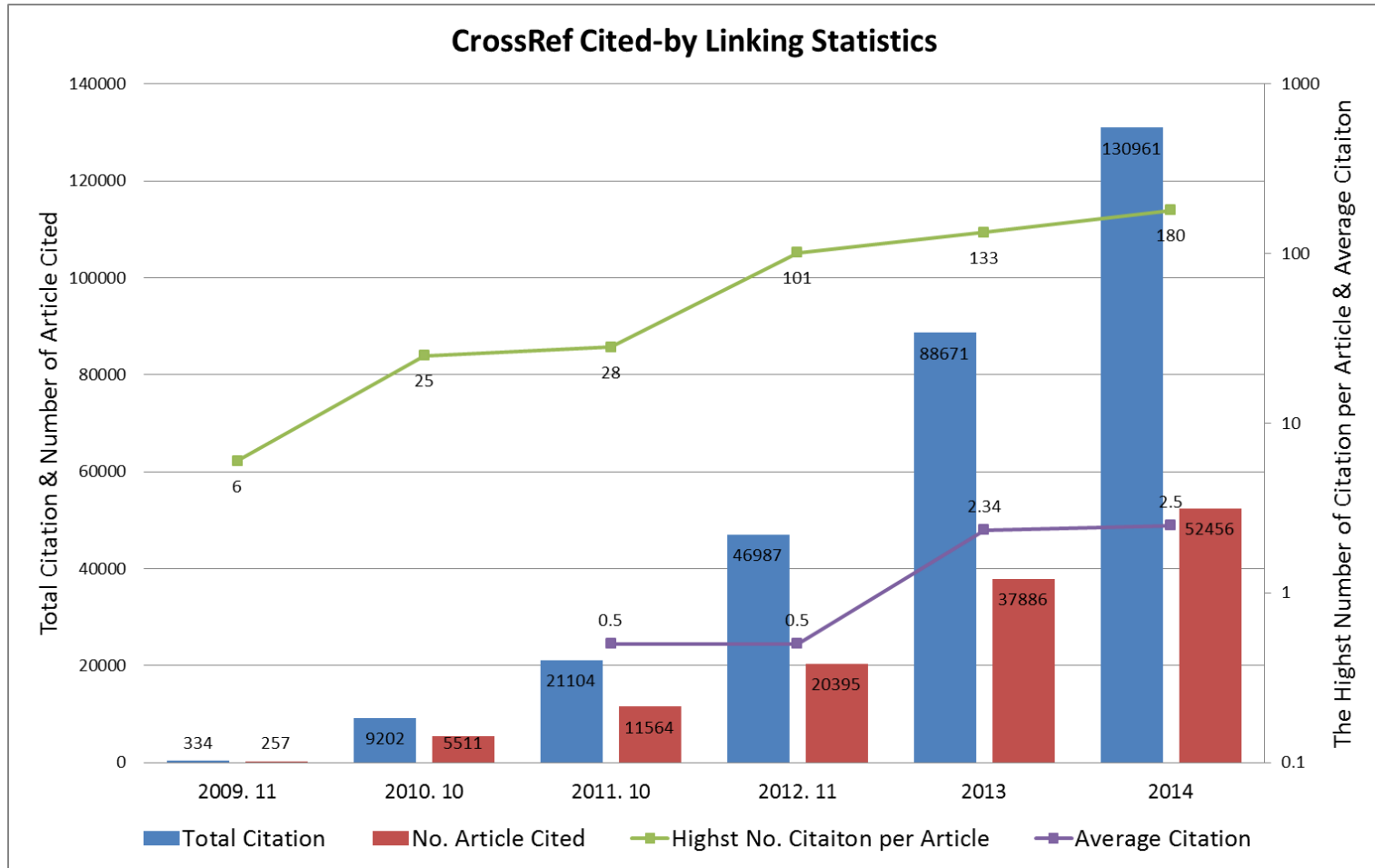
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Top 20 high SCI(E) IF journals

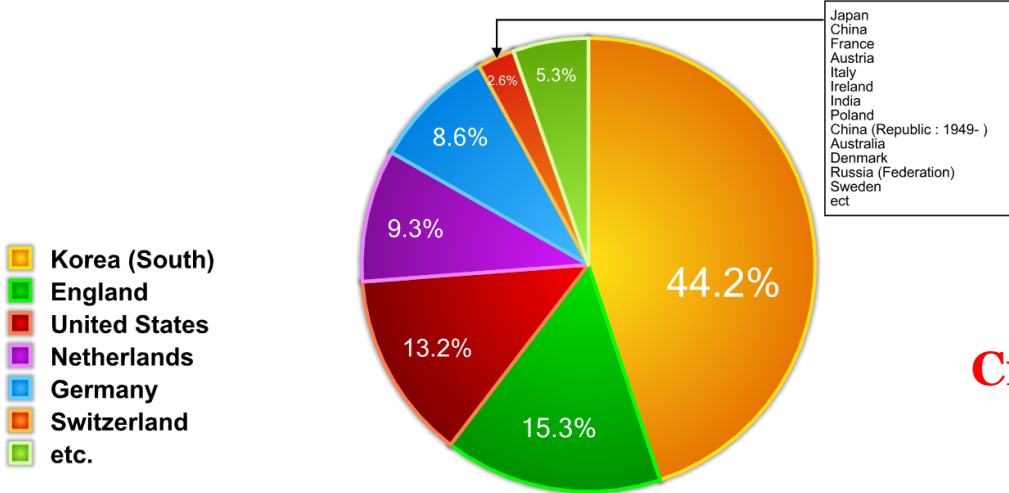


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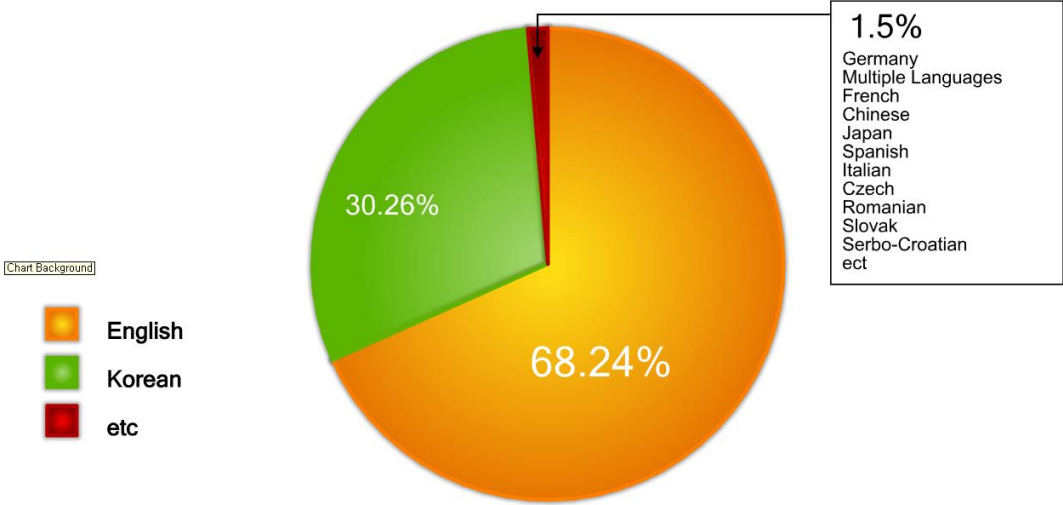


Usage

Citation (%) by Countries



Citation (%) by Journal Language



Vision

From Simple Linking To XML Publishing
Achieving a Premium Scholarly Communication System



Thanks.