



Empowering Knowledge: Elsevier and Open Science



Who we are and what we do





Elsevier is part of the RELX group













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Risk

Leading global provider of information solutions in the fields of science, technology, health

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Elsevier is a driver of knowledge, with nearly 200 years of heritage

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66 in Locations

24
Countries



Over **6,800**Staff worldwide



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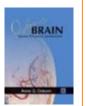












ScienceDirect Head

We provide

over 25% of the world's

of the world's med

Covering ALL medical specialties

Headquarters in AMSTERDAM



... and a world leader in data processing and analytics



20 years

of experience in managing big data

Flagship Products







HPCC High performance computing cluster



Our HPCC supercomputer sorts billions of records within sub-seconds

and stores

2 Petabytes of data

150m patient data sets in US

6m patient data sets in Germany



Sophisticated data mining and advanced analytics: Elsevier Medical Graph

Extensive expertise in data security healthcare big data



Open Science





What is open science?

Open Science describes a way of working which makes research either more **open** or more **collaborative** or more **transparent**.



More Open

 More outputs of research are available without charge to the end user and/or less restrictive user reuse rights





More Collaborative

 Research activities include other stakeholders, including the public



More transparent

 The research process is made clearer, more discoverable and more reproducible ELSEVIER Open Science

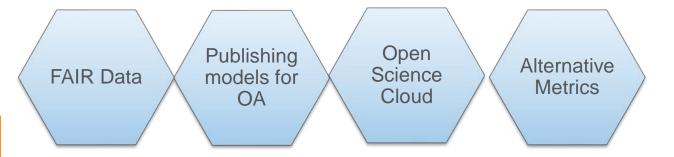
Global approaches to OS



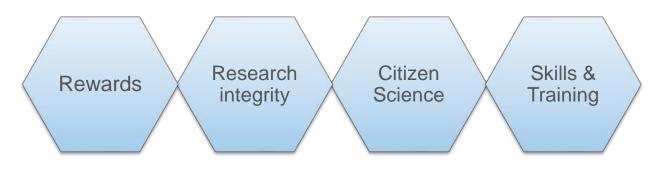


EC policy priorities

- EOSC
- FAIR data
- Altmetric
- Open Access



Open Science Policy Platform



ELSEVIER Open Science

Global approaches to OS



- Open Access policy
- Open Data Concordat
- Industrial Strategy



- 5th Basic Plan, 2016-2020
- JST and JSPS OA policies
- Japan Science Cloud under discussion



- OSTP memo
- NIH Data Science Initiative
- NAS



More Open





What is open access (OA)?

- Free and permanent access to scholarly research for everyone
- Referred to as Public Access in the US

Gold open access

- Final version of an article is immediately accessible to everyone
- Cost of publishing is recovered upfront
 - Typically as an Article Publishing Charge (APC)

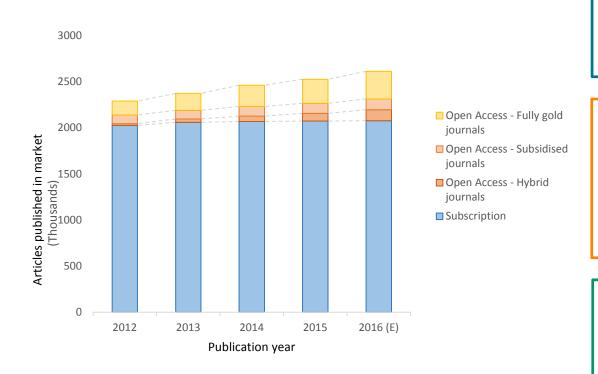
Green open access:

- A version of a subscription article is made available open access
 - Usually after an embargo period
 - Normally a draft copy of the article but can also be the final version



Total article growth by journal business model

In 2016 there were an estimated 2.1 million subscription and 0.5 million open access articles published worldwide.



Subscription content

• 80% share of total articles in 2016

Open access content

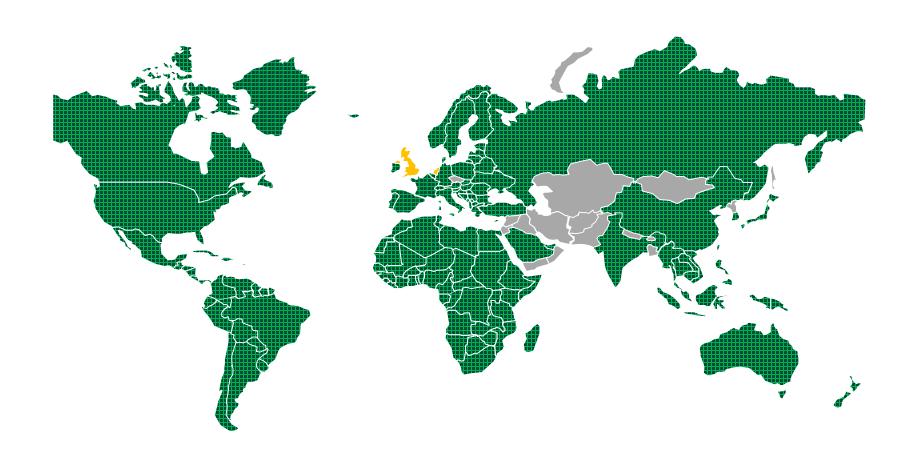
- APC based open access articles is 16% share of total content in 2016
- All gold open access, including subsidized articles, is 20% share of total content.

Elsevier perspective

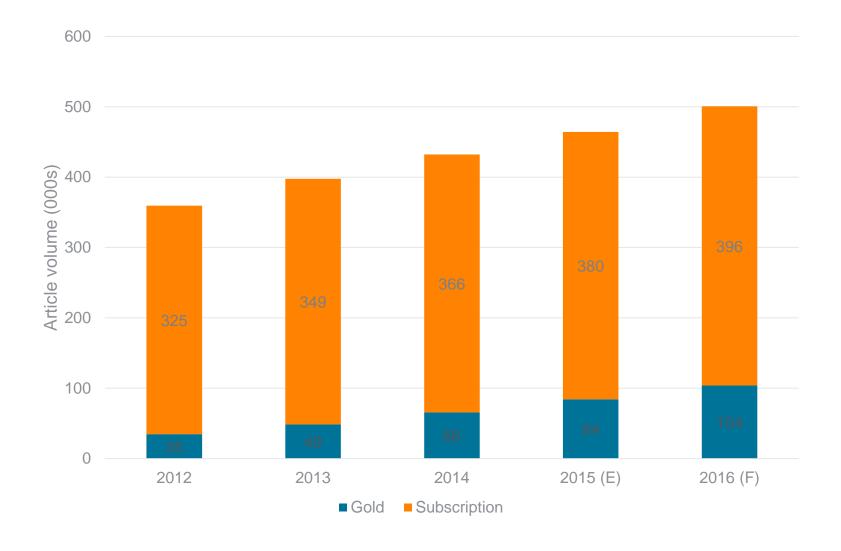
- In 2016, Elsevier published around 480,000 articles
- Includes over 25,000 open access articles

Source: Elsevier internal Open Access market tracking

Global perspective on OA



China and OA: a global snapshot



ELSEVIER Open Science

Elsevier and open access

Gold open access

- 2nd largest gold open access publisher
- Publish over 170 fully open access journals
- Publish over 1,850 hybrid journals
- Published over 25,000 open access articles in 2016
- Choice of either a commercial (CC BY) or non-commercial (CC-BY-NC-ND) user license.
- Article publishing charges (APCs) range from \$150- \$5000 (US Dollars)

Green open access

- Largest publisher enabler of green open access
- All 2500+ journals provide a green open access option
- Participate in CHORUS and support pilots with institutions and international funders
- Free API program to fuel repositories
- Share link service provides 50 days free access to recently published research
- Open archives in 108 journals, including Cell Press titles after 12 months

Fueling Institutional repositories: Free API program

Get metadata & abstracts

Search API can extract the metadata and abstracts of your affiliated authors to help populate your repository, enhance disoverability and create links or embed final version

Show the final version

Entitlements API** can ensure subscribed users see the final version and visitors can see the accepted manuscript hosted on your repository

Keep users on your IR

Article Retrieval API embeds the final article in your repository so subscribers don't leave your site to access the article

Make manuscripts public

Hosting permissions API can retrieve embargo end dates so you can make manuscripts automatically available to the public after embargo



Did you know?

Scopus customers can also integrate Scopus APIs to retrieve metadata and abstracts across all publishers

Please Note: **Minimum part of the program.

//dev.elsevier.com/tecdoc sd ir integration.html

ELSEVIER Open Science

CHCRUS

- A low cost solution that widens access, compliance, discovery, and preservation of peer reviewed articles
- Addresses critical pain points of cost and efficiency by:
 - Avoiding duplication of effort
 - Increasing compliance
 - Maximizing the benefit from existing, proven infrastructure
 - Transparent reporting and tracking for funders and institutions
- Currently operational for US federal agencies and piloting services in Japan and Australia
- Piloting services for Institutional Repositories

















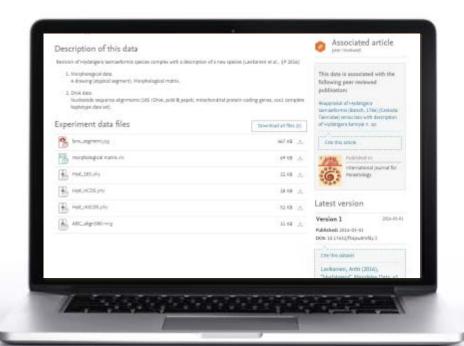
ELSEVIER 1 1



Storing research data

- Submitting authors can store research data in Mendeley data repository and link this to their article on ScienceDirect
- Open access, free—to-use repository
- Hosts all formats (raw, processed data, tables, code and software)
- 10GB free storage and CC0 license option
- Assigns data DOI to make it independently citable
- Partnership with DANS for long term storage and preservation

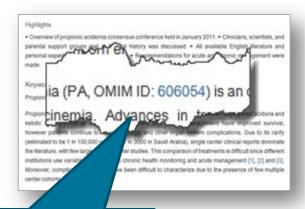




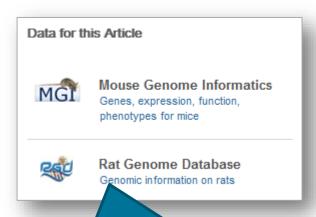


Linking articles to external data repositories

- Free Data-linking tool provides one click access to relevant stored data sets
- 50+ leading domain specific data repoistories
- Linking enabled by in-article accession numbers, data DOI's, or data banners



Linking through in-article data accession numbers

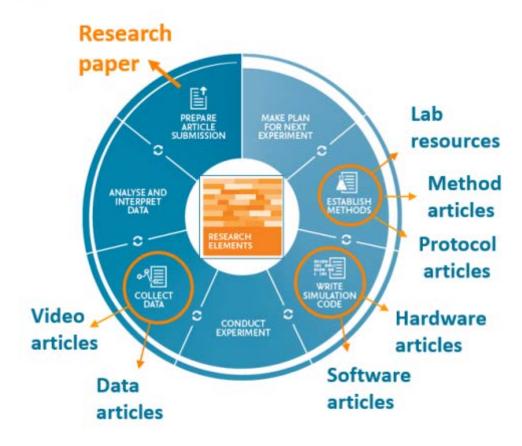


Database banners shown next to the article on ScienceDirect

See http://www.elsevier.com/databaselinking



Publishing data articles



- Offer researchers an easy channel to publish their research output, receive credit, and make research objects discoverable
- Dedicated sections in regular journals
- Specialized, fast and transparent peer-review process
- Co-submission service via regular journals for data articles
- Primarily Open Access, APCs of ~500 USD

Because no matter what field of research you are in, DATA, METHODS and SOFTWARE always matter

Open peer review reports

Pilot in 5 journals to experiment with publishing peer review reports as openly available research outputs with their own DOI.

Editors	Reviewers	Authors
 70% of those surveyed believe that reports are more in depth and constructive i.e. improved and more useful to authors, as a result of being made open Some concern it may make it harder to find reviewers. 	 Like the ability to get recognition Over 95% said publishing review reports didn't influence their recommendation nor would it influence them accepting further review invites for the journal. 	Generally positive about having open peer review reports next to their article Little impact on their journal choice, indeed slightly more likely to choose a journal offering this.

Forward look: Extend to other interested journals and provide more data about the peer review process on ScienceDirect

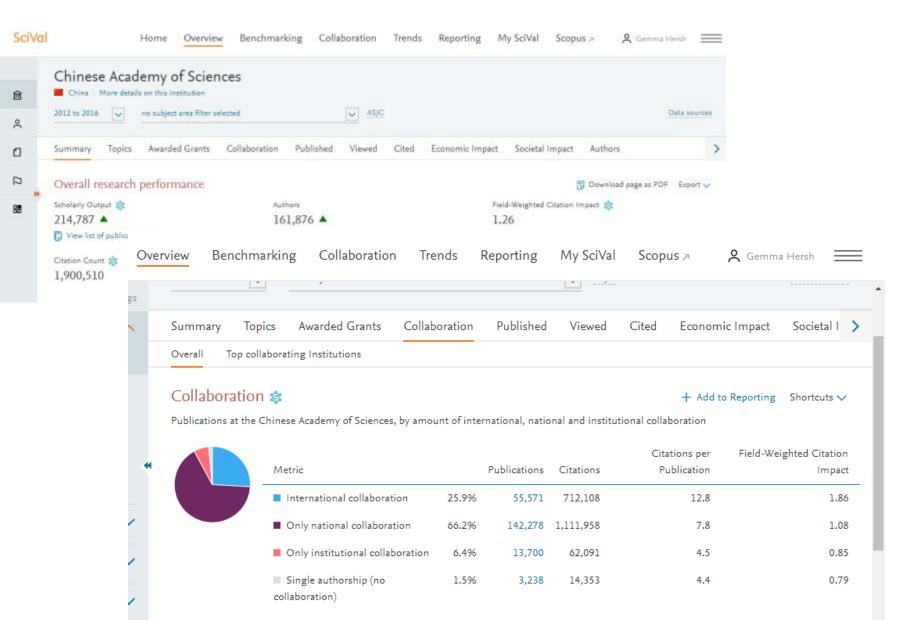


More Collaborative





Collaboration drives performance



SSRN – tomorrow's research today

- SSRN is devoted to the rapid worldwide dissemination of research and is composed of a number of specialized research networks.
- SSRN's eLibrary provides 761,906 research papers from 354,694 researchers across 30 disciplines.

Tomorrow's Research Today

Tomorrow's Research Today

SSRN's global reach provides the tools to disseminate innovative ideas through our online repository, making librarians' jobs easier and keeping academics up-to-date.

> SSRN provides the tools; your academic team enjoys the benefit.



Always Growing. Always Something New.

2.2M+



800K+



326K+



107M+



9.1M+



5.8M+



 $8.9M + \frac{1}{100}$





Who uses

- Signatory of STM principles on article sharing on SCNs
- Public metadata, links, lists
- Group sharing functionality
- Mendeley Stats

A Unique Scholarly Collaboration Network

About Mendeley

Mendeley is a Scholarly Collaboration Network (SCN) and best in class reference manager platform. Over 5 million users trust Mendeley to organize, share, collaborate on and discover the latest research.

Elsevier and Mendeley's combined capabilities allow the creation of a thriving global

Atlas: Recognizing & promoting societal impact

- Winning articles summarized in a lay summary by a scientific journalist and hosted on Atlas website
- Articles chosen by external advisory board
 - shortlist from Elsevier's 1800+ journals
 - Board members from NGOs across the world
- Author receive the Atlas award and have their article free to access on ScienceDirect





Atlas
Research for a better world

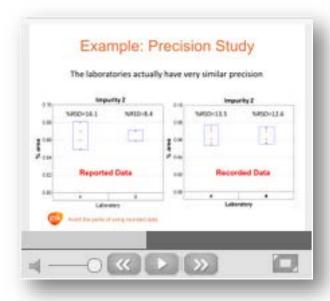
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- Can be embedded on websites or posted to YouTube etc. - a great way to promote the article and increase usage!¹



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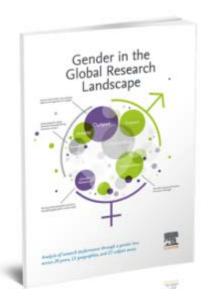
A more inclusive world of research

Home > Research Intelligence > Resource library > Gender in the Global ...

Gender in the Global Research Landscape Report

"As a steward of world research, Elsevier has a responsibility to promote gender equality in Science, Technology, Engineering, and Mathematics and advance understanding of the impact of gender, sex, and diversity in research. In this regard, Elsevier fully supports the United Nations' Sustainable Development Goal 5, "to achieve gender equality and empower all women and girls," and the Global Research Council's Statement of Principles and Actions Promoting the Equality and Status of Women in Research." – Ron Mobed, Elsevier CEO

Critical issues related to gender disparity and bias must be examined by sound studies. Drawing upon our high-quality global data sources,





More Transparent





Comprehensive Journal Data Guidelines



Research Data deposit and citation encouraged



Research Data deposit, citation and linking (or Availability Statement) encouraged



Research Data deposit, citation and linking (or Availability Statement) required



Research Data deposit, citation and linking required



Research Data deposit, citation and linking (or Availability Statement) required; Research Data peer reviewed prior to publication

https://www.elsevier.com/authors/author-services/research-data/data-guidelines

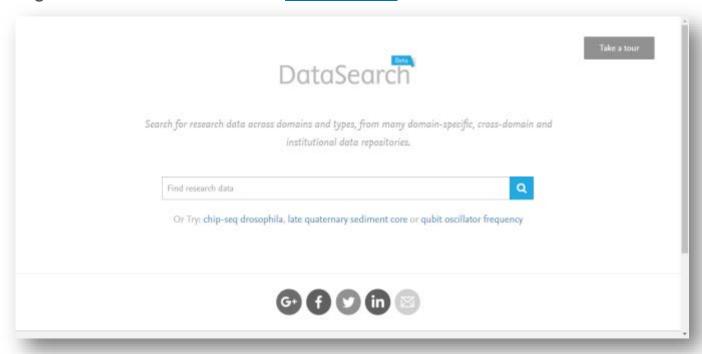
TOP GUIDELINES

TRANSPARENCY AND OPENNESS PROMOTION

DataSearch link from Scopus

Research data enhance the value of an article and aid reproducibility. Scopus is recognizing the importance of research data as both output and sourcing for articles.

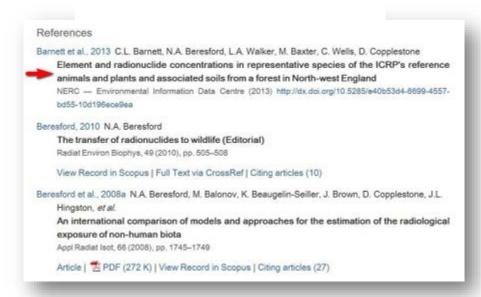
- Last March 2017, Scopus started a collaboration with <u>DLI Service</u> to find data related to any specific document.
- With this new release, Scopus is enhancing its involvement in research data by starting a new collaboration with <u>DataSearch</u>.



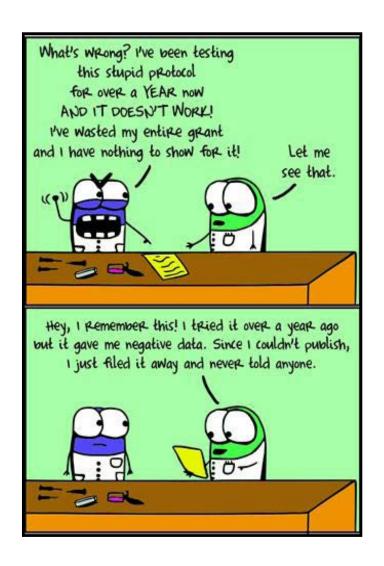
Implemented data citations

- Authors are encouraged to cite datasets
- Used to access a direct link to stored datasets and encourage data sharing
- Implemented the FORCE 11 data citation principles for all journals
- Data references contain different elements than article references
 - Require new fields to be added
 - Tags to distinguish between data and article references





Enhanced Reporting



- WHO calling for main findings submitted for publication - including negative findings
 - Launch of journal New Negatives in Plant Sciences
- Scientists need a clear framework to submit data for review and publication.
 - Launch journals Data in Brief and Genomics Data
- AllTrials calls for all clinical trials to be registered with full methods and summary results reported
 - Launch of journal Contemporary Clinical Trials Communications
 - Participation in new Crossref pilot to link published reports of clinical trials to the registered study

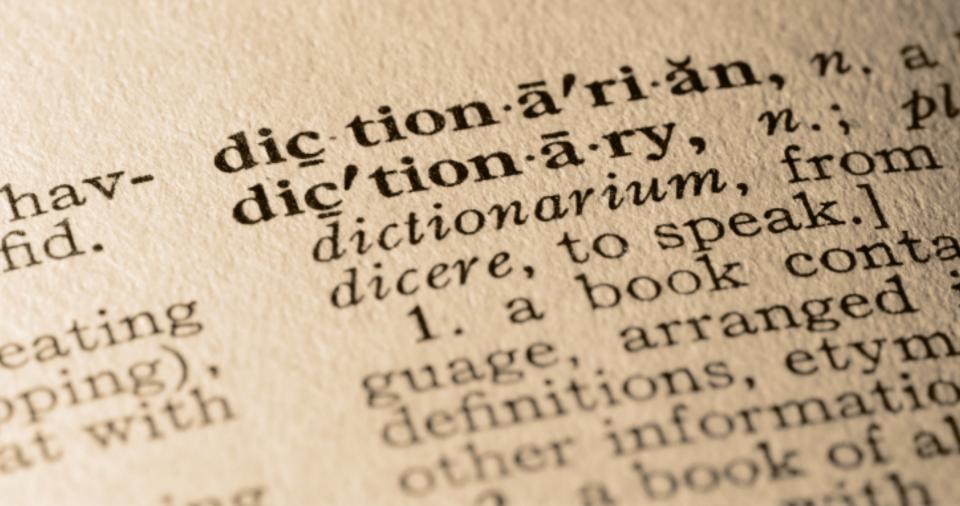
Elsevier and research metrics

Our Metrics Manifesto

- Need to use different metrics and common sense
 - Decisions should be based on both quantitative and qualitative input
 - Should always use at least two metrics (more than one way to 'excellence')
- The methodologies should be open, transparent, valid and replicable
- Definitions should be owned by the community
 - Need trust between the parties using metrics to evaluate



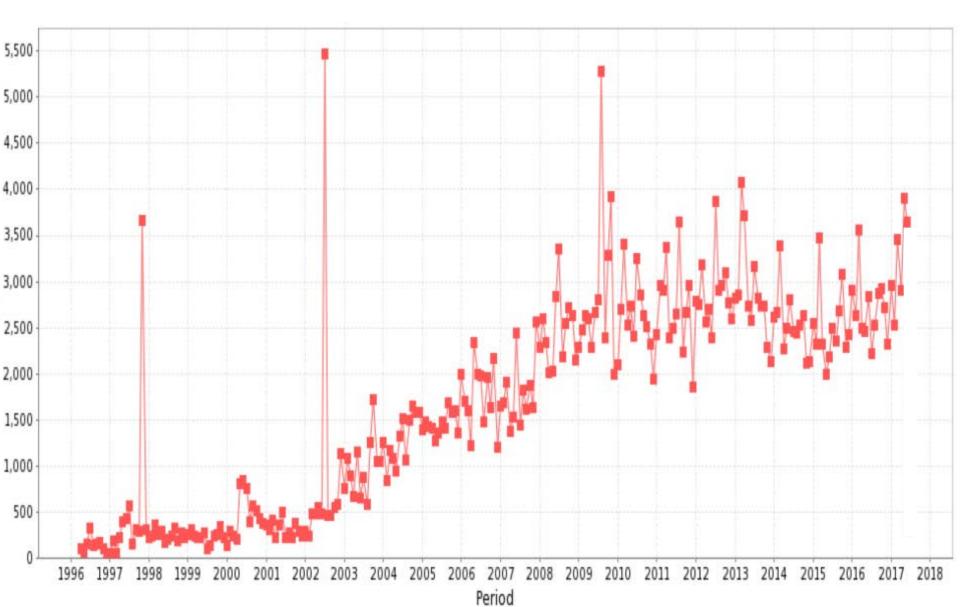




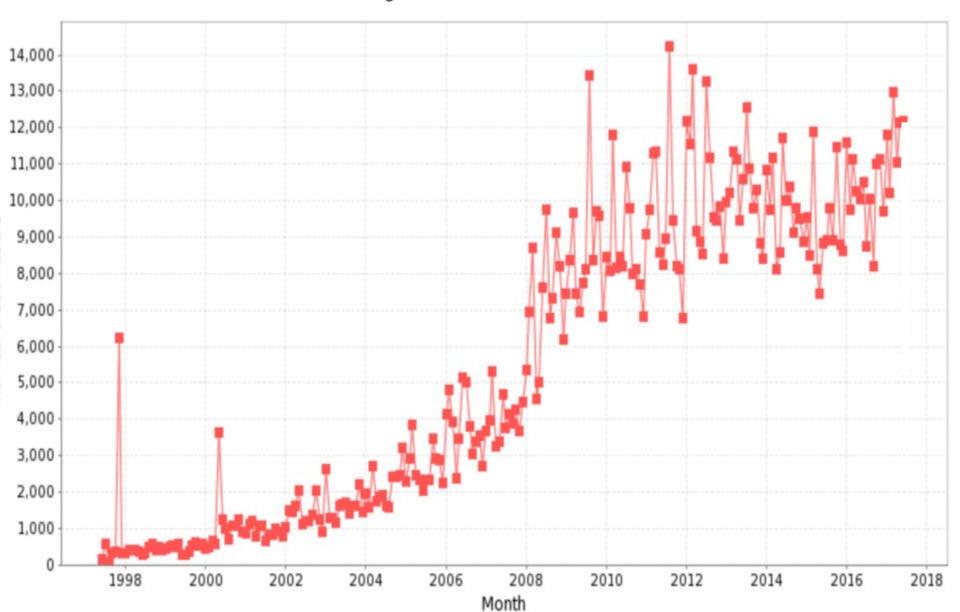
What does SSRN do?

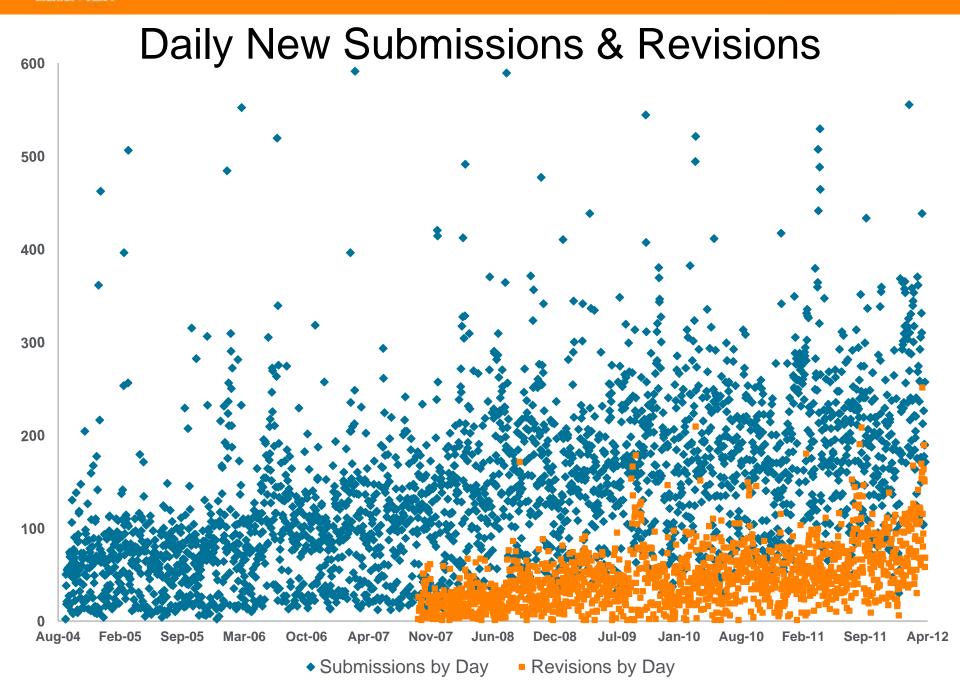
- online repository of non-refereed working and refereed accepted papers
- email/RSS alerts for new submissions and web access to all content
- non-exclusive license to post/distribute allows authors to retain copyright
- levels the playing field amongst researchers
- strongly support open/sharing for 20+ years

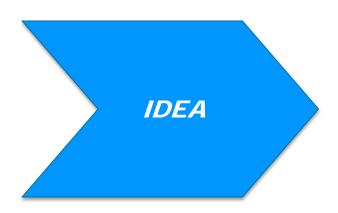
Monthly New Authors

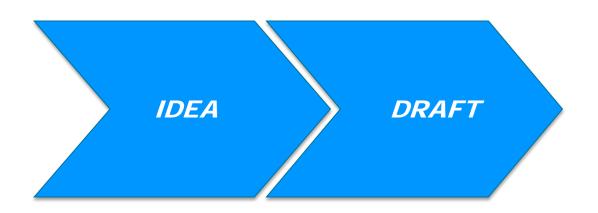


Monthly Submissions















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India Law ejournal @ 3,558 Papers
E Legal Scholarship Network @ 244,980 Papers
                                                                                                                          Indigenous Nations & Peoples Law ejournal @ 2,795 Papers
  * Law Research Centers Papers @ 6,461 Papers
                                                                                                                          Information Privacy Law ejournal @ 4,175 Papers
  # Law School Research Papers - Law & Economics @ 10,691 Papers
                                                                                                                          Insurance Law, Legislation, & Policy ejournal @ 2,373 Papers
  *Law School Research Papers - Legal Studies @ 60,759 Papers
                                                                                                                        * Intellectual Property Law ejournals @ 14,124 Papers
  * Law School Research Papers - Public Law & Legal Theory @ 19,249 Papers
                                                                                                                       # International Law & Trade ejournals @ 30,445 Papers
  # LSN Conferences & Meetings @ 4,448 Papers
                                                                                                                          Islamic Law & Law of the Muslim World ejournal @ 1,725 Papers
  *LSN Partners in Publishing Journals @ 10,867 Papers
                                                                                                                       # Law & Courts ejournal @ 9,816 Papers
  ELSN Subject Matter ejournals @ 238,236 Papers
                                                                                                                          Law & Culture ejournal @ 5,516 Papers
    * Administrative Law ejournals @ 10,870 Papers
                                                                                                                       * Law & Economics ejournal @ 10,244 Papers
       African Law ejournal @ 3,061 Papers
                                                                                                                          Law & Humanities ejournal @ 8,017 Papers
       Agricultural Law & Policy eJournal @ 334 Papers
                                                                                                                          Law & Literature eJournal @ 2,985 Papers
       Animal Law ejournal @ 714 Papers
                                                                                                                       * Law & Politics ejournal @ 7,732 Papers
    * Antitrust & Regulated Industries ejournals @ 11,217 Papers
                                                                                                                          Law & Positive Political Theory eJournal @ 1,925 Papers
       Artificial Intelligence - Law, Policy, & Ethics ejournal @ 523 Papers
                                                                                                                          Law & Psychology (Editor's Choice) eJournal @ 1 Paper
       Asian Law ejournal @ 6,930 Papers
                                                                                                                          Law & Psychology eJournal @ 4,089 Papers
       Bankruptcy, Reorganization & Creditors eJournal @ 3,803 Papers
                                                                                                                          Law & Religion ejournal @ 4,042 Papers
    * Biology & Law ejournal @ 1,048 Papers
                                                                                                                          Law & Rhetoric ejournal @ 2,716 Papers
    * Canadian Law ejournal @ 6,647 Papers
                                                                                                                       # Law & Society ejournals @ 86,919 Papers
       Clinical Law Teaching & Practice eJournal @ 637 Papers
                                                                                                                       # Law Educator: Courses, Materials & Teaching ejournal @ 2,689 Papers
       Comparative Law ejournal @ 11,496 Papers
                                                                                                                       * Law, Brain & Behavior ejournals @ 3,264 Papers
       Compliance & Risk Management ejournal @ 75 Papers
                                                                                                                          Law, Institutions & Development ejournal @ 5,043 Papers
    * Constitutional Law, Jurisprudence & Legal Philosophy ejournals @
                                                                                                                          Law, Norms & Informal Order ejournal @ 6,424 Papers
    38,303 Papers
                                                                                                                          Law, Policy & Economics of Technical Standards eJournal @ 556 Papers

    ★ Consumer Law ejournal ② 5,466 Papers

                                                                                                                          Law, Politics & the Media ejournal @ 1,908 Papers
       Contracts & Commercial Law ejournal @ 7,736 Papers
                                                                                                                          Legal Education eJournal @ 4,916 Papers
                                                                                                                          Legal Ethics & Professional Responsibility eJournal @ 4,858 Papers

    ★ Corporate, Securities & Finance Law ejournals ② 20,555 Papers

    * Criminal Law & Procedure ejournals @ 22,943 Papers
                                                                                                                          Legal History ejournal @ 11,052 Papers
                                                                                                                        ★ Legal Information & Technology ejournal ② 2,444 Papers
       Cybersecurity, Data Privacy & eDiscovery Law & Policy eJournal @ 863 Papers
                                                                                                                          Legal Writing ejournal @ 2,006 Papers
       Cyberspace Law - Student Authors ejournal @ 452 Papers
                                                                                                                          Legislation & Statutory Interpretation ejournal @ 6,077 Papers
       Cyberspace Law ejournal @ 7,801 Papers
                                                                                                                        Litigation, Procedure & Dispute Resolution ejournals © 13,416 Papers
       Democratization: Building States & Democratic Processes ejournal @ 2,186 Papers
                                                                                                                          National Security & Foreign Relations Law ejournal @ 7,484 Papers
       Disability Law ejournal @ 1,845 Papers
                                                                                                                          Nonprofit & Philanthropy Law ejournal @ 973 Papers
       Discrimination, Law & Justice eJournal @ 11,260 Papers
                                                                                                                          Property, Citizenship, & Social Entrepreneurism ejournal @ 2,090 Papers
       Economic Inequality & the Law ejournal @ 3,801 Papers
                                                                                                                          Property, Land Use & Real Estate Law ejournal @ 7,324 Papers
    # Education Law ejournal @ 2,647 Papers
                                                                                                                          Protected Lands Law & Policy ejournal @ 1,827 Papers
       Elder Law Studies ejournal @ 1,171 Papers
                                                                                                                          Regulation of Financial Institutions eJournal @ 7,405 Papers
    # Employment, Labor, Compensation & Pension Law ejournals @ 12,861 Papers
                                                                                                                          Remedies ejournal @ 1,510 Papers
    # English & Commonwealth Law eJournal @ 8,137 Papers
                                                                                                                          Reproductive Justice, Law & Policy ejournal @ 1,490 Papers
    # Environmental & Natural Resources Law ejournals @ 14,102 Papers
                                                                                                                          Risk, Regulation, & Policy eJournal @ 3,447 Papers
    # European Private & Public Law ejournals @ 20,312 Papers
                                                                                                                        ★ Sexuality & the Law ejournal ① 3,798 Papers
       Evidence & Evidentiary Procedure eJournal @ 3,419 Papers
                                                                                                                          State & Local Government ejournal @ 3,105 Papers

■ Experimental & Empirical Studies eJournals ① 8,842 Papers

                                                                                                                          Sustainability Law & Policy eJournal @ 2,883 Papers
       Family & Children's Law elournal @ 8,949 Papers
                                                                                                                       # Tax Law & Policy ejournals @ 12,785 Papers
       Federal Courts & Jurisdiction eJournal @ 3,141 Papers
                                                                                                                          Torts & Products Liability Law ejournal @ 6,637 Papers
       Fiduciary Law ejournal @ 1,635 Papers
                                                                                                                          Transitional Justice ejournal @ 1,306 Papers
       Food Law & Policy eJournal @ 1,304 Papers
                                                                                                                          Transnational Litigation/Arbitration, Private International Law, & Conflict of Laws eJournal @
       Forensic Economics eJournal @ 463 Papers
                                                                                                                        1,598 Papers
    # Health Law ejournals @ 14,221 Papers
                                                                                                                          Wills, Trusts, & Estates Law ejournal @ 2,126 Papers
       Housing & Community Development Law ejournal @ 1,553 Papers
                                                                                                                          Women, Gender & the Law ejournal @ 7,463 Papers
       Human Rights & the Global Economy ejournal @ 8,008 Papers
                                                                                                                          Women, Law, & Human Rights eJournal @ 1,741 Papers
       Immigration, Refugee & Citizenship Law elournal @ 5,701 Papers
                                                                                                                          Young Scholars Law ejournal @ 4,340 Papers
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Tomorrow's Research Today

Welcome to the SSRN Home Page.

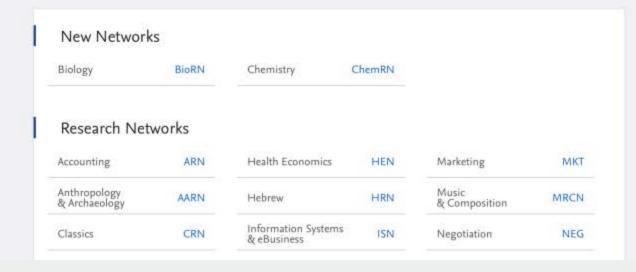
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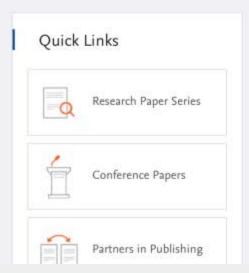
You can subscribe to our newsletter here >

Title, Abstract, Keywords & Authors

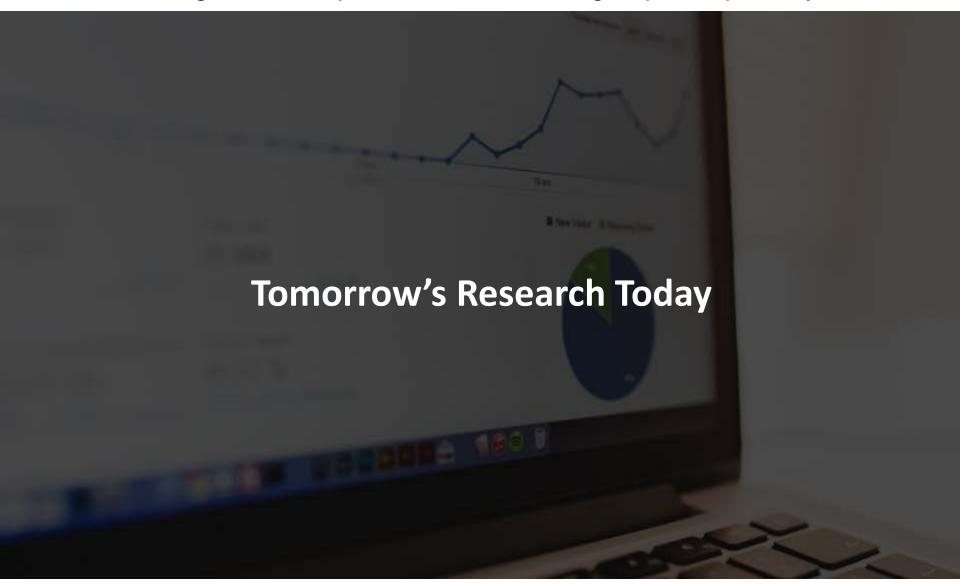
Advanced Search







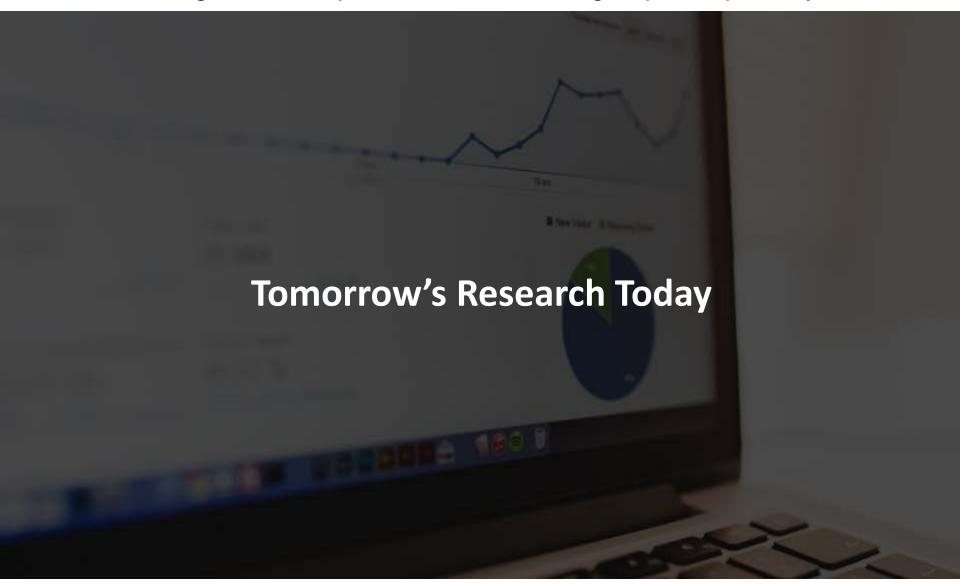
SSRN – Leading SS&H Preprint Server & Working Paper Repository



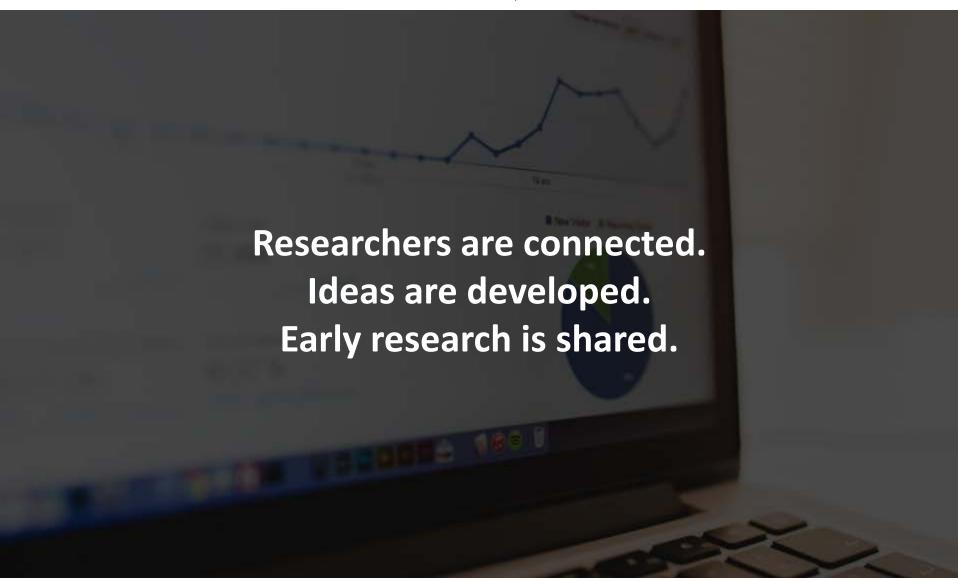
SSRN joined Elsevier to fill a gap



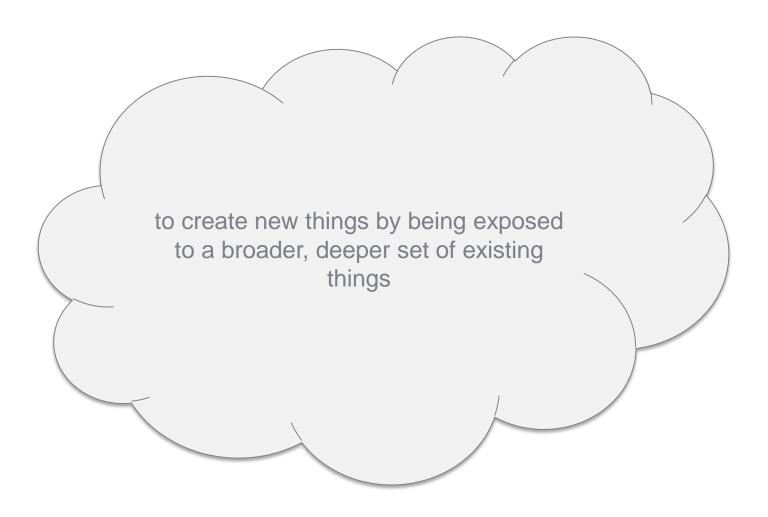
SSRN – Leading SS&H Preprint Server & Working Paper Repository



SSRN Platform – source of the new, new



Definition of Innovation



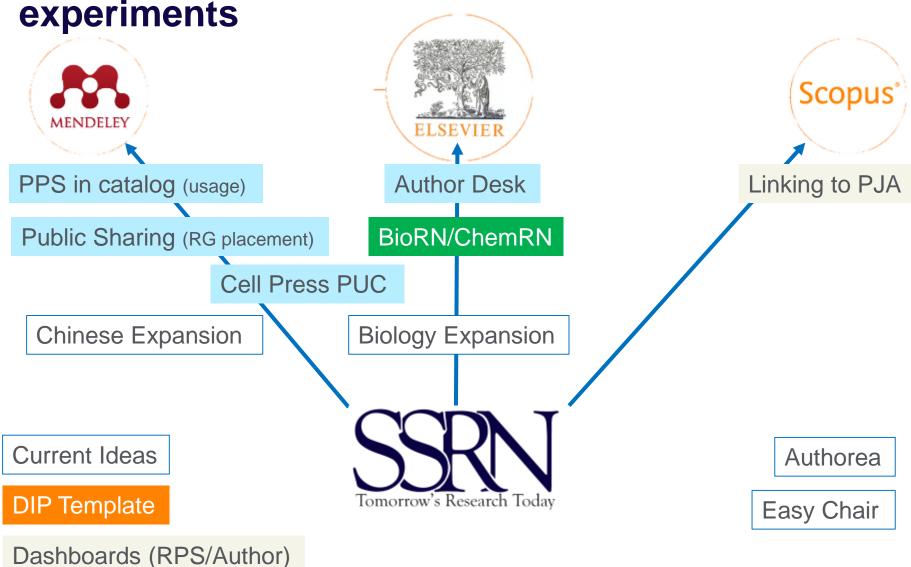




SSRN fills a gap for Elsevier?



SSRN connects with stakeholders through



More is simply more: thoughts on open access

PRESIDENT'S NOTES



Open access

http://ssrnblog.com/2017/10/22/more-is-simply-more-thoughts-on-open-access/

During Open Access Week, it's interesting to look at the proliferation of open access types and the associated terminology. It started simply with the Budanest Open Access Initiative in 2002:

Researchers from China SSRN share their research on SSRN



Top 10 Business Schools (Total Downloads)

School / Department	Authors	Papers	Downloads
The University of Hong Kong - Faculty of Business and Economics :: China	96	750	201,625
Tsinghua University - School of Economics & Management :: China	105	470	108,182
Peking University - Guanghua School of Management :: China	89	360	92,706
Cheung Kong Graduate School of Business :: China	21	163	84,501
China Europe International Business School (CEIBS) :: China	46	268	80,546
University of International Business and Economics (UIBE) :: China	102	245	26,800
Fudan University - School of Management :: China	50	137	22,527
Peking University - Shenzhen Graduate School of Business :: China	27	117	20,118
Shanghai Jiao Tong University (SJTU) - Antai College of Economics and Management :: China	49	123	18,730
Peking University - HSBC School of Business :: China	13	65	18,535



Source: SSRN Website

Researchers from Korea SSRN share their research on SSRN



Top 10 Business Schools (Total Downloads)

School / Department	Authors	Papers	Downloads
Korea University Business School (KUBS) :: Korea	53	221	76,540
Seoul National University - College of Business Administration :: Korea, Republic Of (south Korea)	30	150	57,650
KDI School of Public Policy and Management :: Korea, Republic Of (south Korea)	57	201	30,297
KAIST Business School :: Korea, Republic Of (south Korea)	48	128	22,249
Yonsei University, Seoul Campus, College of Business and Economics :: Korea	21	122	14,444
Korea Advanced Institute of Science and Technology (KAIST) - College of Business :: Korea, Republic Of (south Korea)	47	112	11,653
Sungkyunkwan University - School of Business Administration :: Korea, Republic Of (south Korea)	12	35	8,722
SolBridge International School of Business :: Korea, Republic Of (south Korea)	9	23	5,742
Gachon University - College of Business and Economics :: Korea	17	64	4,749
Hankuk University of Foreign Studies - College of Economics and Business :: Korea	8	19	4,018



Source: SSRN Website

Researchers from Japan SSRN share their research on SSRN



Top 10 Business Schools (Total Downloads)

School / Department	Authors	Papers	Downloads
Tokyo University of Science - School of Management :: Japan	4	30	7,911
Kobe University - Research Institute for Economics & Business Administration :: Japan	7	43	5,921
Kobe University - Graduate School of Business Administration :: Japan	21	42	4,894
Hitotsubashi University - Graduate School of Commerce and Management :: Japan	16	35	3,490
Hokkaido University - Graduate School of Economics & Business Administration :: Japan	17	57	3,331
Aoyama Gakuin University - Graduate School of International Management :: Japan	3	13	2,531
Hosei University - Graduate School of Business Administration :: Japan	1	13	2,432
University of Tsukuba - Graduate School of Business Sciences :: Japan	3	8	2,371
Keio University - Faculty of Business and Commerce :: Japan	10	30	2,143
Keio University - Graduate School of Business Administration :: Japan	4	13	1,986



Source: SSRN Website

ありがとうございました

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