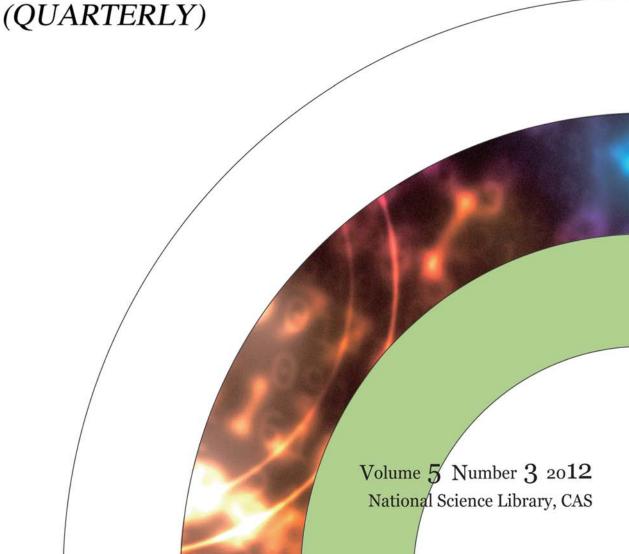
A Peer-reviewed International Scholarly Journal

中国文献情报(季刊)

CHINESE

JOURNAL OF LIBRARY AND INFORMATION SCIENCE



Chinese Journal of Library and Information Science (CJLIS)

(Quarterly)

Sponsored by the Chinese Academy of Sciences

Volume 5 Number 3, 2012

Chairman of Editorial Board

Jinghai LI

Chinese Academy of Sciences, China

Members of Editorial Board

Alex BYRNE

University of Technology, Sydney, Australia

Ching-Chih CHEN

Graduate School of Library & Information

Science, Simmons College, USA

Chuanfu CHEN

School of Information Management,

Wuhan University, China

Li CHEN

National Library of China, China

Anthony W. FERGUSON

Library of University of Hong Kong,

Hong Kong SAR, China

Changzhu HUANG Centre for Documentation & Information,

Chinese Academy of Social Sciences,

China

Michael A. KELLER

Stanford University, USA

Norbert LOSSAU

Niedersächsische Staats- und

Universitätsbibliothek Göttingen.

Germany

Claudia LUX

Zentral- und Landesbibliothek Berlin,

Germany

Paul W. T. POON

University of Macau International Library,

Macau SAR, China

Alice PROCHASKA

Yale University, USA

Jian QIN

School of Information Studies. Syracuse University, USA

Guchao SHEN

Department of Information Management,

Nanjing University, China

Gary E. STRONG

University of California, Los Angeles, USA

Jianzhong WU

Shanghai Library, China

Weici WU

Department of Information Management,

Peking University, China

Yishan WU

Institute of Scientific and Technical

Information of China, China

Charles C. YEN

National Science Library, Chinese Academy of Sciences, China

Haibo YUAN

National Science and Technology Library,

China

Marcia L. ZENG

School of Library and Information Science,

Kent State University, USA

Xiaolin ZHANG

National Science Library,

Chinese Academy of Sciences, China

Peter X. ZHOU

East Asian Library, University of California,

USA

Qiang ZHU

Library of Peking University, China

Editor-in-Chief

Xiaolin ZHANG

National Science Library.

Chinese Academy of Sciences, China

Academic Advisor

Charles C. YEN

National Science Library.

Chinese Academy of Sciences, China

Managing Editor

Jing CAO

National Science Library,

Chinese Academy of Sciences, China

Editorial Staff

Jing CAO, Lin PENG

National Science Library.

Chinese Academy of Sciences, China

Copyright@2012. All rights are reserved by Editorial Office of Chinese Journal of Library and Information Science (CJLIS), National Science Library, Chinese Academy of Sciences. Addresss: No. 33, Beisihuan Xilu, Zhongguancun, Haidian District, Beijing 100190, P.R. China. Tel: 86-10-82624454 or 86-10-82626611 ext. 6628. Fax: 86-10-82624454. E-mail: chinalibraries@mail.las.ac.cn. Website: http://www.chinalibraries.net.

Published by: National Science Library, Chinese Academy of Sciences

No. 33, Beisihuan Xilu, Zhongguancun, Haidian District, Beijing 100190, P.R. China

Edited by: Editorial Office of Chinese Journal of Library and Information Science (CJLIS)

No. 33, Beisihuan Xilu, Zhongguancun, Haidian District, Beijing 100190, P.R. China

Printed by: Beijing KEXIN Printing Co. Ltd., Beijing 102208, P.R. China. Tel: 86-10-62903036. Fax: 86-10-62805493 Editor-in-Chief: Prof. Xiaolin Zhang

Typesetting: Beijing Charlesworth Software Dev. Co. Ltd. (Beijing Modern Palace Building)

No. 20 Dongsanhuan, RD(South), Chaoyang District, Beijing 100022, P.R. China. Tel: 86-10-67791601. Fax: 86-10-67799806.

Distributed by: Editorial Office of Chinese Journal of Library and Information Science (CJLIS)

No. 33, Beisihuan Xilu, Zhongguancun, Haidian District, Beijing 100190, P.R. China

RMB ¥ 200/Issue, RMB ¥ 800/Volume domestically per year; US \$ 199/Volume outside of China (including air shipping) Subscription:

Distributional Code (邮发代号) 82-563

ISSN 1674 - 3393 Issue's Handling Editor: Jing CAO CN 11-5670/G2

Defining an open access resource strategy for research libraries: Part III—The strategies and practices of National Science Library

Xiaolin ZHANG[†], Xiwen LIU, Lin LI, Yan ZENG & Li-Ping KU

National Science Library, Beijing Headquarters, Chinese Academy of Sciences, Beijing 100190, China Received Nov. 11, 2012 Revised Nov. 13, 2012 Accepted Nov. 15, 2012

Abstract

Purpose: This paper describes the strategies and practices of National Science Library (NSL), Chinese Academy of Sciences (CAS) in promoting open access (OA) and developing OA resources.

Design/methodology/approach: Multi-facet frameworks are devised to guide the development of OA strategies and practices. Key OA initiatives are briefly described along the main aspects of the strategies as they contribute to implementation of the OA strategies.

Findings: NSL defined its role as the Chief OA Officer for CAS and a key OA promoter for China. Accordingly, NSL has engaged in multiple fronts of promoting OA, including development of OA strategies for CAS, establishment of itself as an OA knowledge & promotion center, development of the CAS IR system, and support for OA publishing by CAS authors.

Research limitations: OA is still evolving, so are the strategies and practices as many actions are experimental and explorative in nature. Open books, open data, and open educational resources are yet to be covered. Comparative studies are needed, so is the evidence-based impact analysis.

Practical implications: Institutions can adopt, adapt, or compare with examples and lessons learned are described here.

Originality/value: The multi-faceted frameworks, working principles, and lessons learned are based on NSL's practices which can be valuable to the overall OA development.

Keywords Open access; Strategy and policy; Open repository; Open publishing

CJLIS Vol. 5 No. 3, 2012 pp 1–11 National Science Library, Chinese Academy of Sciences

[ि]खा

[†] Corresponding author: Xiaolin Zhang (E-mail: zhangxl@mail.las.ac.cn).

1 Introduction

Open access is fast becoming a main part of scientific scholarly communication. Part I of this study^[1] summarized the fast growth of OA scholarly resources. The converging forces of open access development are making OA close to the tipping point of being the main stream.

However, we recognize the complexity in an OA world. There are disruptive changes and unexpected challenges, as analyzed in the Part II of this study^[2]. We can no longer rely on the traditional library or publishing models. We have to define, create, and compete for new roles and contributions to cope with the digital, open and networked environment. But we are facing uncharted territories with uncertainties and risks, and need make sure, their fair share of failures and dead ends.

There is a strong sense of urgency for libraries to take actions, not waiting for a failure-proof or trouble-free plan. On one hand, we see the fast progress of new paradigms of digital research and learning^[3,4], which call for an open knowledge infrastructure and services to support data-intensive scientific discovery. On the other hand, scholarly communities are pushing even stronger for OA. The Budapest Open Access Initiative (BOAI) recommendations^[5] call to set the default to open, and advocating the new goal that, "within the next ten years, OA will become the default method for distributing new peer-reviewed research in every field and country". The research funders are getting their acts together, too. Global Research Council Summit 2013^[6] will discuss actions to implement OA as the main stream mechanism for publicly funded research results, partly by transferring library subscription budgets to OA publishing funding.

Libraries have to be actively involved, otherwise will be left behind^[7]. If they act decisively and quickly, libraries can play important or even indispensible roles, by helping to guide the emerging paradigms for the benefits of research and society, utilizing the expertise they have to develop better policies and services, and competing for market leadership and rule setting. Many institutes are already experimenting with initiatives, as illustrated by activities in Coalition of Open Access Policy Institutions^[8], the Compact for Open Access Publishing Equity^[9], and the UK Open Access Implementation Group^[10]. The challenge is to re-context the library, to capitalize on the complexity and to shape the future, not just for themselves but for research and learning.



2 Reframing the needs and roles for libraries in an OA-world

NSL looks at the needs of OA from three different but closely related perspectives, as shown in Fig. 1. What is needed for and enabled by OA from research & learning institutes? It will be an open knowledge infrastructure (OKI) capable of supporting

data intensive discovery, embedded into research and learning processes. What is needed for and enabled by OA for scholarly communications? It may need a whole new set of measures for organizing, sustaining, evaluating, as to make best out the transformation. Then, what would be libraries' roles and services contributing to the transformation? Figure 1 itself is more a thinking tool than a definitive plan, but what is important here is to think 'out of box', out of just collections or search & retrieval of information items, out of being a passive and reactive partner or follower.

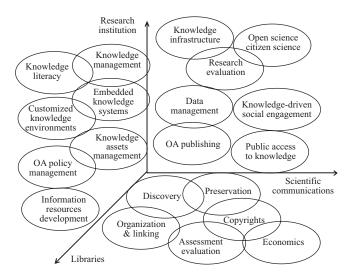


Fig. 1 Perspectives for libraries' roles in OA.

Starting from the perspectives, NSL re-purposes its roles in a coming OA world:

- The chief OA officer and chief OKI manager of CAS. The tasks include:

 1) Developer of OA strategies and policies for CAS; 2) developer and manager of key OA initiatives of CAS; 3) developer and manager of key underlining OKI components; 4) key coordinator in OA/OKI collaboration for CAS; and 5) chief advisor for OA/OKI strategies and policies for CAS institutes.
- A leading OA promoter and leading OKI developer for China. The tasks include: 1) Key developer of OA/OKI strategies and policies for Chinese R&L communities; 2) key developer of OA/OKI standards, services, systems for Chinese R&L communities; 3) key organizer, and coordinator of OA/OKI advocacy for Chinese R&L communities; and 4) key representative in political, cross-domain, and international dialogs on OA/OKI.



• A lading OA/OKI promoter for libraries. The tasks include: 1) A leading developer of OA/OKI strategies and policies for libraries; 2) a leading developer of OA/OKI standards, recommendations, services, systems for libraries; 3) a chief promoter, organizer, and coordinator of OA/OKI activities for libraries; 4) a leading representative in multi-stakeholder dialogs on OA/OKI for libraries; and 5) a leading test-bed for innovation and experimentation in OA/OKI services.

NSL aims for a proactive but yet prudent taking-up in its OA/OKI strategy, such as: 1) Taking full advantages of Internet and market forces; 2) engaging in proactive experimentation with emerging opportunities; 3) having options open, and preparing for multiple opportunities; 4) taking evidence-based steps; 5) keeping guard of possible vicious outcomes; 6) combining new moves with reforming old approaches; and 7) ensuring political support and economic sustainability. This is partly illustrated in Fig. 2, again more an explorative tool than a definitive plan.

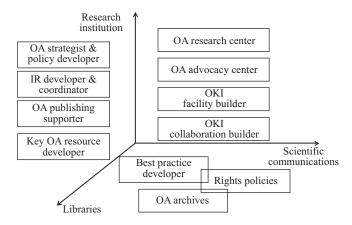


Fig. 2 NSL positioning in OA/OKI. Note: OKI, Open knowledge infrastructure.

3 Working as the chief OA strategy & policy developer



Figure 3 is the current framework of efforts in OA strategies and policies. We recognize multi-layered strategies and policies, and the needs for rich information and solid research. Several initiatives were started to support the role as the chief OA strategy and policy developer:

3.1 Tracking the trends

NSL has set up a team of staff and graduate students to monitor international development of OA. The results, including translations of important OA documents



Fig. 3 NSL framework for the OA strategy and policy.

and research, are reported in a monthly newsletter deposited into NSL IR for open access[11].

3.2 Research on major issues

NSL has been supporting staff research into the key issues of OA. So far, it produced major reports on trends in open access development^[12], OA policies and practices of traditional publishers^[13], rights management of IR content deposit and distribution^[14]. With the first China OA Week in October of 2012, NSL issued studies on OA publishing support policies of research funders and R&L organizations^[15], the criteria for selection and evaluation of OA journals^[16], and current state of OA journal publishing in China^[17]. Issues on copyright, information literacy, and e-publishing are also included in the OA research agenda.

3.3 Strategy & policy development

Armed with continuous research, NSL worked as the major researcher and drafter to help formulate the CAS OA Strategy Statement issued during the 8th Berlin Conference on Open Access in Beijing in 2010, declaring CAS' support for public access to publicly funded research, with plans for institutional repositories in CAS institutes, OA publishing experiments, and international collaboration in OA. NSL issued the first Chinese guidelines^[18] for IR deposit and distribution policies of publicly funded research. NSL's studies on OA publishing support policies and the criteria for evaluation of OA journals are being incorporated into NSL's work for recommendations for CAS and national policies.



3.4 Advocacy and promotion

NSL has set up an Open Access Promotion Portal to distribute news, reports, and research about OA^[19]. A series of OA-focused international conferences were

organized by NSL, including the 2005 International Conference on Trends and Strategies of Open Access to Scientific Information, the 2007 International Seminar on Knowledge Commons and Copyrights, and the 2010 8th Berlin Conference on Open Access. In 2012, NSL organized the first China OA Week with rich activities in presentations, panel discussions, and road shows of OA repositories and OA journals.

Further efforts will be focused on policy studies for governmental, funder, and CAS, in the areas of IR and OA publishing. A core team was established to sustain the work.

4 Support of OA publishing

Figure 4 gives the NSL framework of activities in support of OA publishing (where OAJ stands for OA journals). Current efforts concentrate on the following:

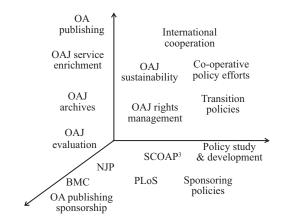


Fig. 4 NSL framework to support OA publishing. Note: OAJ, Open access journals.

4.1 Sponsoring CAS authors' OA publishing

NSL is the first Chinese institutional member for BioMed Central (BMC), to pay 50% of the article processing charge (APC) for any articles with a CAS corresponding author for all BMC OA journals, after an institutional discount. NSL insists on a negotiated discount to achieve higher cost-effectiveness in OA publishing with a committed central fund, requires co-payment from authors so they will be sensitive too to the levels of APCs, and demands additional services from BMC, including road-shows at institutes, provision of training materials, and reports on CAS submissions, publications, and usage data. A local archive of all BMC OA journals, already in operation, is also part of the NSL conditions for sponsorship. Along the



same line NSL sponsors CAS authors to publish in the OA journal *New Journal of Physics* (NJP), and includes NJP in its local archiving agreement with the Institute of Physics Press which publishes NJP. NSL is talking to other high impact full OA publishers for possible institutional sponsorship with the same requirements, but still refrains itself from hybrid OA publishing unless there is a transparent mechanism for reduction of subscription fees.

4.2 Sponsoring collective OA publishing initiatives

NSL signed, on behalf of CAS, the Expression of Interest to join the Sponsoring Consortium for Open Access Publishing in Particle Physics (SCOAP³)^[20]. NSL works with other SCOAP³ partners to transfer subscription funds to support OA publishing in high energy physics (HEP) to achieve full OA for peer-reviewed articles in HEP. NSL is now a member in both SCOAP³ Steering Committee and SCOAP³ Technical Working Group, and is coordinating major Chinese HEP authoring institutes to develop a national consortium for SCOAP^{3[21]}. NSL is willing to participate and contribute to similar efforts.

4.3 Experimenting with policies for supporting authors' OA publish

NSL recognizes the complicated challenges if the NSL sponsoring policy scales to the national level. NSL has conducted research on selection and evaluation of OA journals for authors and funders; rights requirements for depositing, re-use, and value-added services, etc., in OA publishing for authors, authoring institutes, and funders; and OA publishing sponsoring mechanisms that achieve better cost-effectiveness and more balanced APCs. Based on these and continuing research and experiments, NSL is also working on recommendations for possible national policy guidelines.

4.4 Experimenting with policies for supporting OA journals

The challenges to transform subscription journals into OA ones are real and imminent. As a publisher of 16 journal titles, NSL is at a unique position in study of the challenges by combining with its experience in sponsoring authors' OA publishing. Issues at hand may include the APC calculation models of OA journals, multi-channel income modes with value-added services without sole dependence on APCs, and improvement of operational efficiency by re-structuring the workflow and by development of value-added services. What is important here is to re-context journals really as a digital media and networked service platform.

In addition, NSL is engaging in cooperative policy development with international partners, in areas such as proactive licensing practices, good quality control requirements for OA journals, and good service requirements for full OA and hybrid OA journals.



5 Development of CAS IRs

One of the major efforts in NSL's promotion of open access is the development of institutional repositories for CAS institutes^[22]. NSL has purposed IRs not as a passive repository but an institutional knowledge management mechanism and knowledge service platform, as illustrated in Fig. 5. NSL started IR development in CAS institutes in 2007, and has now more than 70 IRs in operation and more than 20 IRs in construction^[23]. By October 2012, the number of full-text papers deposited are over 265,000 and the total downloads extend over 4 million while half of downloads occurred in 2012 alone. More than 20 papers each has attracted more than 200 international downloads. In the international registries like DOAR^[24] and ROAR^[25] CAS IRs count for more than two thirds of Chinese IRs.



Fig. 5 NSL IR development framework.

Several considerations stood out for the relative success of the CAS IR implementation:

- Focus on the institute, where the authority and effectiveness rest to mandate and support deposit, and where the impact of preservation and promotion are best felt and appreciated.
- Position IR for knowledge management to address the institutional concern for preservation and utilization of its own research output, and position IR for research impact management to answer the institutional need to promote its research results.
- Develop an integrated approach to IR, not just providing a free IR platform, but also helping institutes with tech assistance teams, implementation assistance teams, a policy team, and frequent training and consultation enhanced with an online support forum.



- Facilitate IR development with value-added services to authors and institutes, such as automatic author profiling and knowledge mappings within an institute or cross-institute.
- Support sustainable IRs by extending institutional library services into IR
 operations and institutional knowledge management, while the transformation
 of institutional libraries is facilitated at the same time. A key lesson learned is
 never to position IR development as just a library issue, an archiving issue, or
 even an OA issue alone.

One important factor contributing to the fast development of CAS IRs is the careful clarification of the copyright laws and regulations on management of intellectual properties of publicly funded research. A rights chain is built based on the clarification, as shown in Fig. 6 and documented in Ref. [14], to guide the understanding of the permissions and limitations of the rights for all stakeholders. In addition, a further analysis is applied as for the factors enhancing support for deposit and distribution, and to the factors alleviating resistance. Recommendations are given to measures strengthening those factors.

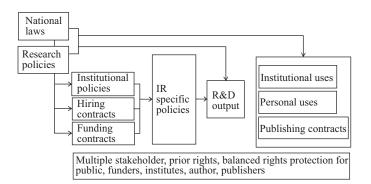


Fig. 6 NSL IR development framework.

6 Future work

NSL is committed to lead the OA revolution for research and for libraries. In addition to the efforts outlined above, NSL has been experimenting with harvesting and organizing open access conferences materials and educational resources, long term preservation of OA journals with full metadata and XML files, and linked open data engines to enable open exploration of open content. At the same time, NSL has taken the open way to promote OA, by issuing its IR software CSpace as an open source software^[26], and by initiating organizing two collaborative groups with other libraries to promote the arXiv repository^[27] and to coordinate efforts in IR



development^[28]. NSL will strengthen its OA strategies, policies, and implementations, to meet the challenges of the fast evolving OA environment.

NSL recognizes the disruptive nature of OA to traditional libraries^[29], and admits the uncertainties for itself in the OA world even with its current efforts. However, the complexity and risks are more reasons for initiative and strategic innovations. We cannot afford to wait because that is simply "opt out" in the time of great opportunities and "hand-over" our destiny in a competitive world. We take this time as ours to re-develop information services and to create and shape the future for the better of research, learning, and society.

References

- 2 Zhang, X.L., Li, L., & Liu X.W., et al. Defining an open access resource strategy for research libraries: Part I—The coming main streamlization of open access resources? Chinese Journal of Library and Information Science, 2011, 4(3/4): 1–11. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5416.
- Zhang, X.L., Zeng, Y., & Li, L., et al. Defining an open access resource strategy for research libraries: Part II—Challenges and responses. Chinese Journal of Library and Information Science, 2012, 5(2): 1–17. Retrieved on November 10, 2012, from http://ir.las. ac.cn/handle/12502/5313.
- 3 Hey, T., Tanslay, S., & Tolle, K., et al. (Eds.) The fourth paradigm: Data-intensive scientific discovery, 2009. Retrieved on November 10, 2012, from http://research.microsoft.com/enus/collaboration/fourthparadigm/.
- 4 The Royal Society. Science as an open enterprise. May, 2012. Retrieved on November 10, 2012, from http://royalsociety.org/policy/projects/science-public-enterprise/report/.
- 5 Ten years on from the Budapest Open Access Initiative: Setting the default to open. Retrieved on November 10, 2012, from http://www.opensocietyfoundations.org/openaccess/boai-10recommendations.
- Global Research Council. 2013 summit meeting. Retrieved on November 10, 2012, from http://www.globalresearchcouncil.org/meetings#berlin.
- 7 ACRL Research Planning and Review Committee. 2012 top ten trends in academic libraries. C&RL News, June, 2012: 311–320.
- 8 Coalition of Open Access Policy Institutions. Retrieved on November 10, 2012, from http://www.arl.org/sparc/about/COAPI/.
- 9 Compact for Open Access Publishing Equity. Retrieved on November 10, 2012, from http:// www.oacompact.org/compact/.
- 10 UK Open Access Implementation Group. Retrieved on November 10, 2012, from http://open-access.org.uk/.
- 11 Trends in library and information services: Open access. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/4152.
- 12 Zhang, X.L., Liu, L., & Li, L., et al. Significance, responsibility, and strategies of open access. Library and Information Service (in Chinese), 2009, 53(5): 28–33, 114. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/1029.



- 13 Li, L., & Zhang, X.L. Traditional publishers' open publishing. China OA Week, Oct. 22–24, 2012, Beijing. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5512.
- 14 Zhang, X.L., Zhang, D.R., & Li, L., et al. Rights management for content deposit and distribution. Journal of Chinese Library Society (in Chinese). 2012, 38(4): 46–54. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5261.
- 15 Zhang, X.L., Li, L., & Li, S.Y. International policies to support OA publishing. China OA Week, Oct. 22–24, 2012, Beijing. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5510.
- 16 Ku, L.-P., Zhang, X.L., & Li, S.Y. Evaluation and selection for open access journals. China OA Week, Oct. 22–24, 2012, Beijing. Retrieved on November 10, 2012, from http://ir.las.ac. cn/handle/12502/5515.
- 17 Chu, J.L., Li, L., & Shen, D. J., et al. Current state of OA publishing in China Based on a survey of STM journals by CAST. China OA Week, Oct. 22–24, 2012, Beijing. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5506.
- National Science Library. Policy guidelines for content deposit and distribution in institutional repositories. April, 2012. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5043.
- 19 Open Access Portal. Retrieved on November 10, 2012, from http://www.open-access.net. cn/
- 20 Sponsoring Consortium for Open Access Publishing in Particle Physics. Retrieved on November 10, 2012, from http://www.scoap3.org/.
- Zeng, Y., Zhang, X.L., & Zheng, J.C., et al. Introduction to SCOAP³. China OA Week, Oct. 22–24, 2012. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5508.
- Zhang, D.R., Zhu, Z.M. & Li, L., et al. Construction & promotion & service of CAS IR Grid. China OA week, Oct. 22–24, 2012. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5500.
- 23 Chinese Academy of Science IR Grid. Retrieved on November 10, 2012, from http://www.irgrid.ac.cn/.
- 24 The Directory of Open Access Repositories. Retrieved on November 10, 2012, from http://www.opendoar.org/.
- 25 The Registry of Open Access Repositories. Retrieved on November 10, 2012, from http://roar.eprints.org/.
- 26 CSpace: An open source institutional repository software. Retrieved on November 10, 2012, from https://github.com/cspace.
- 27 The China arXiv.org service group is set up. Oct. 22, 2012. Retrieved on November 10, 2012, from http://chinair.csdl.ac.cn/node/722253.
- The China IR implementation group is set up. Oct. 23, 2012. Retrieved on November 10, 2012, from http://chinair.csdl.ac.cn/node/722256.
- 29 Zhang, X.L., Zeng, Y., & Ku, L.-P., et al. Transformation of libraries' collection development models in the context of SCOAP³. Library and Information Service (in Chinese), 2012, 56(17): 42–47. Retrieved on November 10, 2012, from http://ir.las.ac.cn/handle/12502/5429.



Reference Citation Format

The format for citations in text and for bibliographic references follows GB/T 7714—2005. The citation should be ordered in number as it appears in the text of the submitted article.

• For journal article

Sun, Y., Li, B., & Qu, J.F. Design and implementation of library intelligent IM reference robot. New Technology of Library and Information Service (in Chinese), 2011, 205: 88–92. Fernández, M., Kadiyska, Y., & Suciu, D., et al. SilkRoute: A framework for publishing relational data in XML. ACM Transactions on Database Systems, 2002, 27(4): 438–493.

For book

Cox, T.F., & Cox, M.A.A. Multidimensional scaling. 2nd ed. Boca Raton, FL: Chapman & Hall/CRC, 2000.

Campbell, N. (Ed.) Usability assessment of library-related websites: Methods and case studies. Chicago: Library & Information Technical Association, American Library Association, 2001

Hearst, M.A. User interfaces and visualization. In Ricardo, B.-Y., & Berthier, R.-N. (Eds.), Modern Information Retrieval. New York: ACM Press, 1999:257–323.

For proceedings

Åström, F. Visualizing library and information science concept spaces through keyword and citation based maps and clusters. In Bruce, H., Fidel, R., & Ingwersen, P., et al. (Eds.) Proceedings of 4th International Conference on Conceptions of Library and Information Science. Greenwood Village, CO: Libraries Unlimited, 2002:185–197.

• For electronic journal article

Kurtz, M.J., Eichhorn, G., & Accomazzi, A., et al. The bibliometric properties of article readership information. Journal of the American Society for Information Science, 2004, 56(2): 111–128. Retrieved on May 3, 2005, from http://cfa-www.harvard.edu/~kurtz/jasist2.pdf.

Järvelin, K., & Ingwersen, P. Information seeking research needs extension towards tasks and technology. Information Research, 2004, 10(1): Paper No. 212. Retrieved on May 3, 2005 from http://informationR.net/ir/10-1/paper212.html.

• For electronic book

Crystal, A., & Ellington, B. Task analysis and human-computer interaction: Approaches, techniques, and levels of analysis. Proceedings of 10th American Conference on Information Systems, 2004: 1–9. New York. Retrieved on May 3, 2005 from http://www.ils.unc.edu/Nacrystal/AMC1504 crystal ellington final.pdf.

Velterop, J. Open access publishing and scholarly societies: A guide. Retrieved on January 25, 2006, from http://www.soros.org/openaccess/pdf/open_access_publishing_amd_scholarly societies.pdf.

• For thesis or dissertation

Zhang, X.L. Information-seeking patterns and behaviors of selected undergraduate students in a Chinese university. Doctor Dissertation. New York: Columbia University, 1992.



CJLIS Vol. 5 No. 3, 2012 pp 88–88 National Science Library, Chinese Academy of Sciences

http://www.chinalibraries.net

Submission Guidelines

Aims

Chinese journal of Library and Information Science (CJLIS), being sponsored by the Chinese Academy of Sciences (CAS) and published quarterly by the National Science Library of CAS, is a scholarly journal in the field of library and information science (LIS). Its aim is to provide an international communication link between researchers, educators, administrators, and information professionals.

With the publication of the research results both from China and from other foreign countries, the Journal *CJLIS* strikes a balance between theory and practice. With its goal to provide an open forum for Chinese and international scholars in this field to exchange their research results, *CJLIS* also offers new possibilities in the advancement of Chinese library operations. The *CJLIS* tries to establish a platform for LIS students, researchers and library staff all over the world to engage in intellectual dialog and also to improve library services so as to promote even more quickened and substantial development of LIS in China.

♦ Scope

Striving toward academic excellence, innovation, and practicality, the *CJLIS* mainly includes research papers both on the theoretical as well as on the practical fronts in all aspects of the field. More specifically, it includes but not limited to informatics, library management, information technology application, knowledge organization system, knowledge management, archives, permanent preservation of library resources, LIS education, and so on.

Refereeing Process

Articles and papers covering the topics or themes mentioned above, will be refereed through a double-blind peer review process

Editorial Advisory Board

The Editorial Board is composed of the nationally and internationally well-known scholars and researchers in the LIS field, the high quality of this Journal is thus reasonably assured.

Manuscripts Categories

As the first English-language academic journal on LIS published in Mainland China, the *CJLIS* will take a proactive attitude to trace and report the prevailing hot issues in the field around the globe as well as the more serious scholarly communications. As such, the submitted manuscripts are classified into constant categories and unfixed categories. In the former category, research papers, library practice and progress reports are the essential components. In the latter, book reviews, biographical sketches, anecdotes, reminiscence of prominent librarians and brief communications will appear occasionally.

Research papers represent original research work or a comprehensive and in-depth analysis of a topic. More than 3,000 words are considered as a proper length for such manuscripts, with an abstract between 100 to 200 words.

Library practice covers the latest development and application in any segment of library field work and information service. The length of the manuscript is preferred to be more than 3,000 words, with an abstract between 100 to 200 words.

Progress reports reflect the projects result or research progress on the key topics of the library and information science. Submissions of articles to this section are expected to be comprehensive and analytical, which may deepen the understanding of the discussed issue and stimulate further researches on the topics, or give a new perspective on future technological applications. The manuscript length should be within 10,000 words, with an abstract between 100 to 200 words.

Manuscripts Requirements

All papers can be submitted either in English or in Chinese (or both) with a double-line space. For the assurance that all the materials of the to-be-submitted are included, please check the following:

Title. Please give a brief biographical introduction to all contributing authors and their research background on a separated paper. For a better organization of the paper, please use the headings and subheadings.

Authors and affiliations. Please do not forget to write down the mailing address of each and every article contributors.

References. Be sure all the references used should be cited properly in both in-text and in bibliography. Particular attention should be paid to the proceedings. Do not forget adding the name(s) of editors of the compilation, as well as the name of the publishers. For the detailed information please request a copy of **Reference Citation Format**.

♦ Copyright

All submitted papers normally should not have been previously published nor be currently under consideration for publication elsewhere. For all the materials translated or obtained from other published resources, they should be properly acknowledged. All copyright problems should be cleared without any legal entanglements prior to the publication.

Notes for Intending Submissions

A guide for authors and other relevant information, including submitting papers online, is available at the website of the Editorial Office of the *CJLIS* (http://www.chinalibraries.net). For any questions, you can e-mail the Office or directly to:

Prof. ZHANG Xiaolin Editor-in-Chief of CJLIS

The CJLIS Editorial Office

National Science Library, Chinese Academy of Sciences

No.33 Beisihuan Xilu, Zhongguancun, Haidian District,

Beijing 100190, P.R. China

Tel: 86-10-82624454 or 86-10-82626611 ext. 6628

Fax: 86-10-82624454

E-mail: chinalibraries@mail.las.ac.cn Website: http://www.chinalibraries.net

♦ Subscription

For single-copy subscription in China: RMB \pm 200/Issue. For subscription outside of China, US \$ 199/Volume yearly (including air shipping)

CHINESE JOURNAL OF LIBRARY AND INFORMATION SCIENCE (QUARTERLY)

Volume 5 Number 3 2012

CONTENTS

Research Papers

- Defining an open access resource strategy for research libraries: Part III —The strategies and practices of National Science Library Xiaolin ZHANG, Xiwen LIU, Lin LI, Yan ZENG & Li-Ping KU
- 12 A view on big data and its relation to Informetrics Ronald ROUSSEAU
- 27 Person-specific named entity recognition using SVM with rich feature sets Hui NIE

- 47 A comparison of mapping strategies from DDC to CLC Fang LI & Yihua ZHANG
- 62 A study of information exchange through social networks in rural China Ya LIU
- 76 Is it time for wider acceptance of e-textbooks? An examination of student reactions to e-textbooks Ziming LIU

News

88 Reference Citation Format