

2019年北邮读书节“资源·获取·利用”系列讲座——

外文电子期刊全文数据库检索与利用（理工类）



信息咨询部

讲座内容

- **期刊相关知识**
- **综合性外文期刊全文库**
- **科学及工程技术领域主要期刊全文库**



期刊 (Journal)



- 定期或不定期连续出版的、有**统一的名称**、固定的开本、版式、有连续的序号、汇集了多位作者分别撰写的多篇文章，并由专门的机构编辑出版的**连续性出版物**。
- **国际标准连续出版物刊号(ISSN):**
由8位数字组成，如 ISSN 1003-3513 是各类连续出版物的**唯一识别性的代码**
- **国内统一刊号 (CN) :**
由登记号和分类号两部分组成，以 “/” 分隔。标准格式：
CN XX-XXXX/分类号，如：CN 11—1340 / G2

电子期刊

- 电子期刊（**Electronic Journal**）是指以数字形式存在，通过网络传播的期刊。
- 包括在网上出版发行的**纯电子期刊**（无印刷版，无ISSN，有**eISSN**）、**数字化期刊（现刊）**以及数字化的纸本期刊（**过刊**）及**预印本期刊**

例：Signal, Image and Video Processing

ISSN: 1863-1703 (print)

ISSN: 1863-1711 (online)

eISSN: 1863-1711

- 最早的纯电子期刊出现在20世纪70年代末至80年代初

SCIENCE OF THE TOTAL ENVIRONMENT		
影响因子		
4.9 5.102		
2016 5 年		
JCR® 类别	类别中的排序	JCR 分区
ENVIRONMENTAL SCIENCES	22/229	Q1
数据来自第 2016 版 Journal Citation Reports		
出版商		
ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS		
ISSN: 0048-9697		
eISSN: 1879-1026		
研究领域		
Environmental Sciences & Ecology		

学术期刊

- 是一种经过同行评审(Peer review)的期刊

内容主要以原创研究、综述文章、书评等为主，通常涉及特定学科领域。

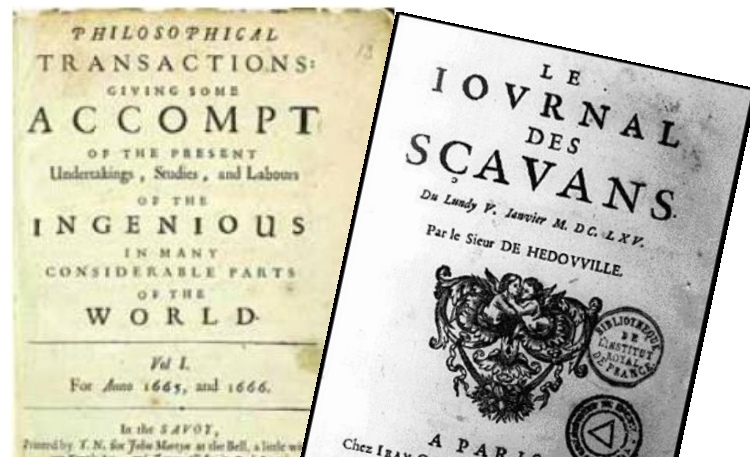
- 世界学术期刊的鼻祖（1665年创刊）

- 法国著名的文学与科学期刊《学者杂志》，首次采用Journal一词作为刊名，被许多专家认为是世界上第1份真正的期刊。后因干涉法律神学被禁

- 英国皇家学会出版会刊《哲学汇刊》，后改名为《皇家学会哲学汇刊》，至今仍在出版。

- 最著名期刊

- 英国《Nature》周刊
 - 美国《Science》周刊



世界四大名刊



Nature

Nature

- 2013年起订购nature周刊的电子版
- 2016年增订 《Nature Photonics》、《Nature Physics》
- Nature Communications 的免费访问。

期刊品质 (数据来源于JCR 2017)

期刊名称	具体网址	影响因子2017
Nature	www.nature.com/nature	41.577
Nature Photonics	www.nature.com/nphoton	32.521
Nature Physics	www.nature.com/nphys	22.727
nature Communications	www.nature.com/ncomms	12.353

核心期刊

- 某学科领域的核心期刊，是指那些发表该学科（或该领域）**论文较多、使用率**（含**被引率**、摘转率和流通率）较高、**学术影响**较大的期刊。
- 1931年著名文献学家**布拉德福**首先揭示了文献集中与分散规律，发现某时期**某学科 1/3 的论文刊登在 3.2% 的期刊上**；
- 1967年联合国教科文组织研究了二次文献在期刊上的分布，发现 **75% 的文献出现在 10% 的期刊中**；
- 1971年 SCI 的创始人**加菲尔德**统计了参考文献在期刊上的分布情况，发现 **24% 的引文出现在 1.25% 的期刊上**。
- 这些研究表明期刊存在“核心效应”，从而衍生了“核心期刊”概念

核心期刊体系

— 国际

- **EI 工程索引** Engineering Index
- **SCI 科学引文索引** Science Citation Index
- **SSCI 社会科学引文索引** Social Science Citation Index
- **CPCI-S 科技会议文献引文索引** Conference Proceedings Citation Index
-

— 国内

- 中国科学院文献情报中心 “中国科学引文数据库 (**CSCD**) 来源期刊”
- 南京大学中国社会科学研究评价中心 “中文社会科学引文索引 (**CSSCI**) 来源期刊”



引文索引作用:

- 新兴学科、交叉学科及其他复杂课题的文献检索;
- 揭示科学发现之间的内在联系, 预测科学技术的发展方向;
- 评价文献的价值以及科技人员、科研机构的工作成绩和水平。

期刊影响因子 (Impact Factor)

- IF是国际上通行的期刊评价指标。

JCR期刊引证报告——SCI、SSCI收录期刊影响因子

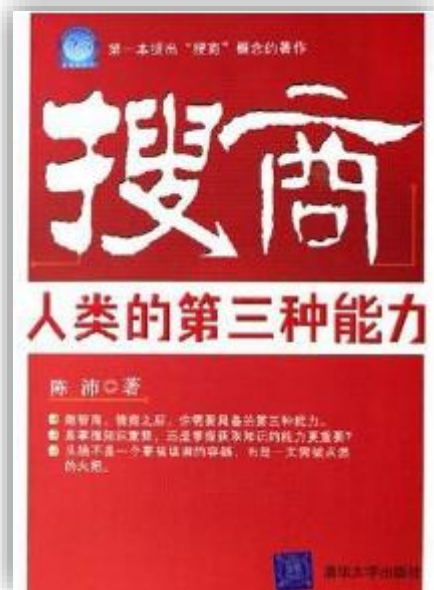
JCR 期刊分区数据在线平台 (中科院)

中国引文数据库：复合影响因子、综合影响因子

- IF即某期刊前两年发表论文在该报告年份中被引用总次数除以该期刊在这两年内发表的论文总数。

例如：1992年某期刊的影响因子 $IF(1992年) = A / B$

其中， A = 该期刊1990至1991年所有文章在1992年中被引用的次数；
 B = 该期刊1990至1991年所有文章数。



搜商 $SQ = K/T(C)$

K = Knowledge 知识

T = Time 时间

C = 搜商指数 (社会平均知识获取能力)

掌握获取知识的能力比掌握知识更为重要

‘快鱼吃慢鱼’时代,高搜商人才更具竞争力

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Core

JSTOR

Clarivate
Analytics
WILEY

ELSEVIER

专业数据库的优势

(与Google、Baidu等搜索引擎相比)

- 对资源的充分发掘和利用，能提供更多相关**准确**的检索结果、**权威**性的文献信息
- 可以与**全文**链接
- 更直接、更有序、更全面。

数据库类型

- 中文
- 外文

- ☐ 全文数据库
- ☐ 文摘索引库

- ☐ 期刊
- ☐ 会议
- ☐ 电子书
- ☐ 学位论文
- ☐ 标准
- ☐ 专利
- ☐
- ☐ 综合



电子期刊全文库来源途径

- **由大型出版社提供**

以某个大型出版社出版的期刊为主，如：Science、Nature
来源期刊稳定，更新及时，有预出版论文。

- **由数据库集成商提供**

由某个数据库集成服务商将众多出版社的期刊整合在同一个检索平台上提供服务。

如中文三大库，Ebsco

资源丰富，但涉及授权问题，因此来源期刊不十分稳定
存在滞后问题，许多期刊可同时被多个数据库重复收录。



信息资源 ▲

读者服务 ▼

学科服务 ▼

入馆指南 ▼

纸质资源

• 书刊

• 标准

• 学位论文

电子资源

• 数据库导航

• 机构知识库

• 特色馆藏

• 电子图书

• 期刊

• 会议

• 学位论文

• 电子标准

• 多媒体

• 随书光盘

• 试用数据库

• 公网资源

• 工具与软件

• 使用说明

主页 > 数据库导航

按字顺浏览数据库: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [中文库](#) [外文库](#) [全部库](#) [试用数据库](#)

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资源名称	资源类型	学科	更多资源信息
Cambridge Journal回溯数据库	期刊	计算机	介绍 NEW
计算机类单订电子期刊	期刊	计算机	介绍 NEW
“读览天下”阅读平台	期刊	人文社科	介绍 NEW
SPIE数据库	期刊/会议论文	综合	介绍 NEW
万方数字资源	期刊/学位/会议论文	综合	介绍

电子资源及其使用



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Beijing University of Posts and Telecommunications Library

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入馆指南 ▾

借阅规则

校园VPN

借阅情况查询

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移动阅读

图书续借

移动短信服务

馆际互借

文献推荐

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论文提交

馆藏目录

电子书刊

学位论文

标准

期刊会议

多媒体

综合

所有题名 ▾

直找馆藏纸本图书、期刊

检索

说明：直找馆藏纸本书刊等资源，常用链接有[随书光盘](#)、[新书通报](#)；直找全国高校馆藏，请使用[E读](#)。

图书馆业务服务部门开放时间

部门	周一、周二、周四、周五				周三			周六		周日	
时间	08:00-11:30	11:30-13:30	13:30-17:00	17:00-22:00	08:00-11:30	11:30-18:30	18:30-22:00	08:00-11:30	11:30-22:00	08:00-11:30	11:30-22:00
新书借阅室											
样本书阅览室											
中心书库											
中文期刊阅览室											
外文书刊借阅室											
多媒体阅览室											
其他部门											
宏福借阅室	周一	周二	周三	周四	周五	周六	周日				

图表说明：

书刊检索

借阅信息

图书预约

图书续借

科技查新

查收查引

VPN访问

中文资源

外文资源

购书推荐

电子图书

期刊会议

多媒体

QQ实时咨询

随书光盘

移动阅读

管理快捷图标

最新公告 最新资源

- 图书馆关于办理2018届研究生毕业离校手续的通知 2018-03-21
- 讲座通知——深度解密IEEE数据库：科研检索与学... 2018-03-19
- **Springer Nature 2018 在线培训开始了！** 2018-03-19
- IEEE Xplore MOOC 2018春季课程开课啦！ 2018-03-13
- 《北京邮电大学ESI学科排名动态快报（2018年1... 2018-03-13
- BALIS原文传递暂停服务的通知 2018-03-08
- BALIS馆际互借暂停服务的通知 2018-03-08

电子资源及其使用

输入认证信息:

- 门户: libvpn.bupt.edu.cn
- 用户名: 学号/职工号;
- 密码: 同校园网上网认证 (如果没有修改过, 初始密码为个人身份证号码后六位)

如有使用问题, 可以拨打校园网服务热线 62283039 咨询。

二、配置客户端软件

在设置选项页面, 可以看到有三个需要输入信息的地方。其中, 用户名和密码两项与校园网上网认证的一致。如果需要在校外访问图书馆相关电子资源, 填写 libvpn.bupt.edu.cn。如下图所示:

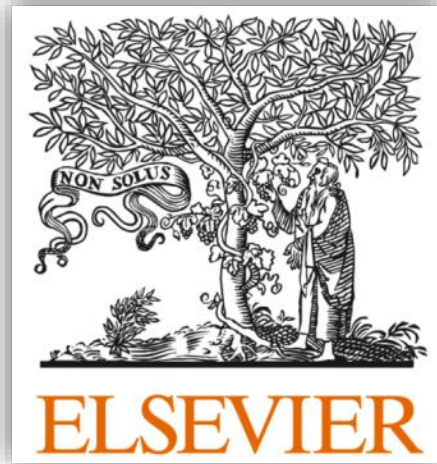


The screenshot shows the GlobalProtect client configuration window. The title bar reads 'GlobalProtect'. Below the title bar is a navigation bar with four tabs: '主页' (Home), '详细资讯' (Detailed Information), '主机资讯' (Host Information), and '疑难排解' (Troubleshooting). The '主页' tab is selected. The main content area contains three input fields: '门户' (Gateway) with the value 'libvpn.bupt.edu.cn', '用户名' (Username) with the value '2010812186', and '密码' (Password) with masked characters '*****'. Below these fields are two buttons: '连接' (Connect) and '清除' (Clear). At the bottom left, the status is displayed as '状态: 没有连接' (Status: Not connected). Below the status is a section for '警告/错误' (Warnings/Errors).

四大综合性学术期刊库



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- 计算机科学(195)
- 地球和行星学(161)
- 能源和动力(98)
- 工程与技术(324)
- 材料科学(217)
- 数学(126)
- 物理学和天文学(175)

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- 生物化学/遗传学/分子生物学(433)
- 环境科学(189)
- 免疫学和微生物学(182)

- 神经科学(189)

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- 护理与卫生保健(204)
- 药理学/毒理学/制药科学(164)
- 兽医学 (70)

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- 艺术与人文(58)
- 商业/管理/会计学(142)
- 决策科学(77)
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Telematics and Informatics, Volume 34, Issue 8

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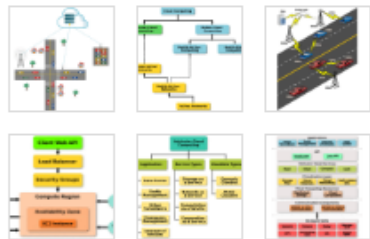
SD简单检索

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Outline

[Abstract](#)[Keywords](#)[1. Introduction](#)[2. Vehicular networks](#)[3. Cloud Computing](#)[4. Mobile Cloud Computing](#)[5. Vehicular Cloud Computing](#)[6. Mathematical modeling of traffic flow for vehicu...](#)[7. Discussion and research directions](#)[8. Conclusion](#)[Acknowledgments](#)[References](#)[Vitae](#)[Show full outline](#)

Figures (6)



Tables (10)

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Computer Networks

Volume 135, 22 April 2018, Pages 171-189

Review article

Vehicular cloud computing: Architectures, applications, and mobility

Azzedine Boukerche^a, Robson E. De Grande^b

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<https://doi.org/10.1016/j.comnet.2018.01.004>

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Abstract

Intelligent [transportation systems](#) are designed to provide innovative applications and services relating to [traffic management](#), as well as to facilitate the access to information for other systems and users. The compelling motivation for employing underutilized onboard resources for transportation systems and the advancements in management technology for Cloud computing resources has promoted the concept of Vehicular Clouds. This work gathers and describes the most recent approaches and solutions for Vehicular Clouds, featuring [applications, services, and traffic](#) models that can enable Vehicular Cloud in a more [dynamic environment](#). We have considered a large number of applications and services that showed relevance in the scope of the transportation system, benefiting its management, drivers, passengers, and pedestrians. Nevertheless, the high traffic mobility imposes as a significant challenge in implementing a Vehicular Cloud on continually changing [physical resources](#). The dynamics of the environment bring fundamental issues and increase the complexity of building this new type of Cloud. By analyzing the existing traffic models, we found that Vehicular Cloud computing is technologically feasible not just in the [static environment](#), like a parking lot or garage where vehicles are stationary, but also the [dynamic scenarios](#), such as highways or [streets](#) where vehicles move.

Recommended articles

Vehicular cloud networks: Challenges, architect...
Vehicular Communications, Volume 9, 2017, pp...

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A survey on vehicular cloud computing
Journal of Network and Computer Applications, ...

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Design and analysis of stochastic traffic flow mo...
Ad Hoc Networks, Volume 52, 2016, pp. 39-49

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Citing articles (7)

Efficient data handling in vehicular micro clouds
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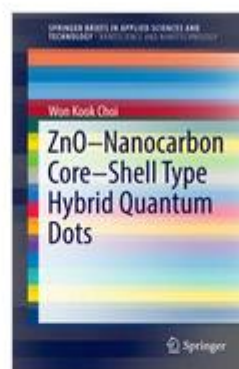
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☐ **Stochastic Blockmodeling and Variational Bayes Learning for Signed Network Analysis**

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```
1 %SSL_main
2 clear
3 Kmin=2;
4 Kmax=6;
5 A=load('../data/');
6 label=load('../data/GGSH_c.txt');
7 M=size(A,1);
8 Sr= SSL_K(A,Kmin,Kmax );
9 % compute NMI
10 P=Sr +
```

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Samson Akintoye; Antoine Bagula; Yacine Djemaiel; Nouredine Boudriga
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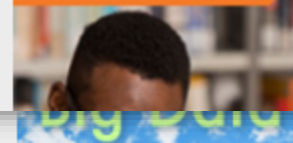
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Cloud Computing is the long dreamed vision of computing as a utility, where users can remotely store their data into the cloud so as to enjoy the on-demand high quality applications and services from a shared pool of configurable computing resources. By data outsourcing, users can be relieved from the burden of local data storage and maintenance. However, the fact that users no longer have physical possession of the possibly large size of outsourced data makes the data integrity protection in Cloud Computing a very challenging and potentially formidable task, especially for users with constrained

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Abstract:

Cloud Computing is the long dreamed vision of computing as a utility, where users can remotely store their data into the cloud so as to enjoy the on-demand high quality applications and services from a shared pool of configurable computing resources. By data outsourcing, users can be relieved from the burden of local data storage and maintenance. However, the fact that users no longer have physical possession of the possibly large size of outsourced data makes the data integrity protection in Cloud Computing a very challenging and potentially formidable task, especially for users with constrained computing resources and capabilities. Thus, enabling public auditability for cloud data storage security is of critical importance so that users can resort to an external audit party to check the integrity of outsourced data when needed. To securely introduce an effective third party auditor (TPA), the following two fundamental requirements have to be met: 1) TPA should be able to efficiently audit the cloud data storage without demanding the local copy of data, and introduce no additional on-line burden to the cloud user; 2) The third party auditing process should bring in no new vulnerabilities towards user data privacy. In this paper, we utilize and uniquely combine the public key based homomorphic authenticator with random masking to achieve the privacy-preserving public cloud data auditing system, which meets all above requirements. To support efficient handling of multiple auditing tasks, we further explore the technique of bilinear aggregate signature to extend our main result into a multi-user setting, where TPA can perform multiple auditing tasks simultaneously. Extensive security and performance analysis shows the proposed schemes are provably secure and highly efficient.

Published in: INFOCOM, 2010 Proceedings IEEE

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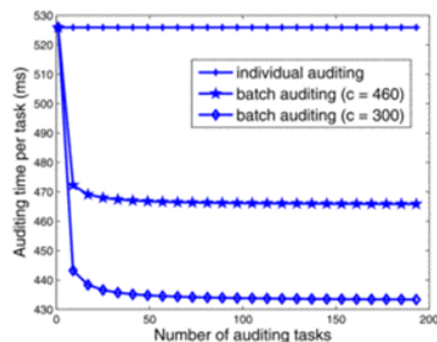
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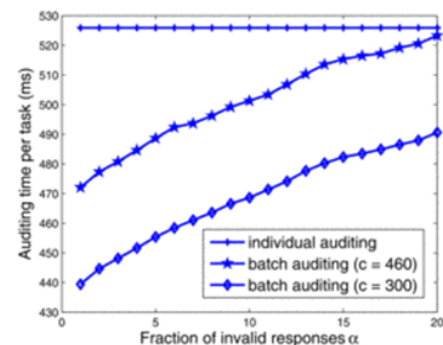
The architecture of cloud data storage service

Fig. 2:



Comparison on auditing time between batch auditing and individual auditing. Per task auditing time denotes the total auditing time divided by the number of tasks.

Fig. 3:



Comparison on auditing time between batch auditing and individual auditing, when α -fraction of 256 responses are invalid. Per task auditing time denotes the total auditing time divided by the number of tasks.



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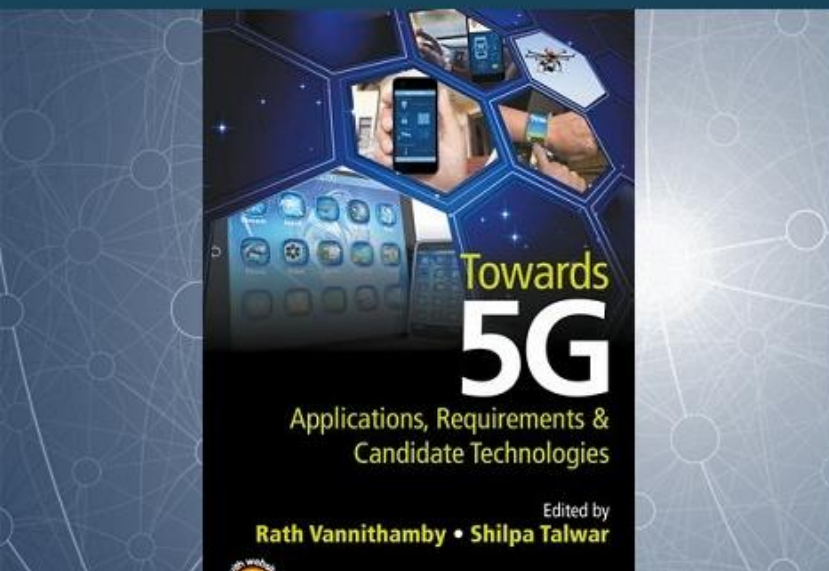
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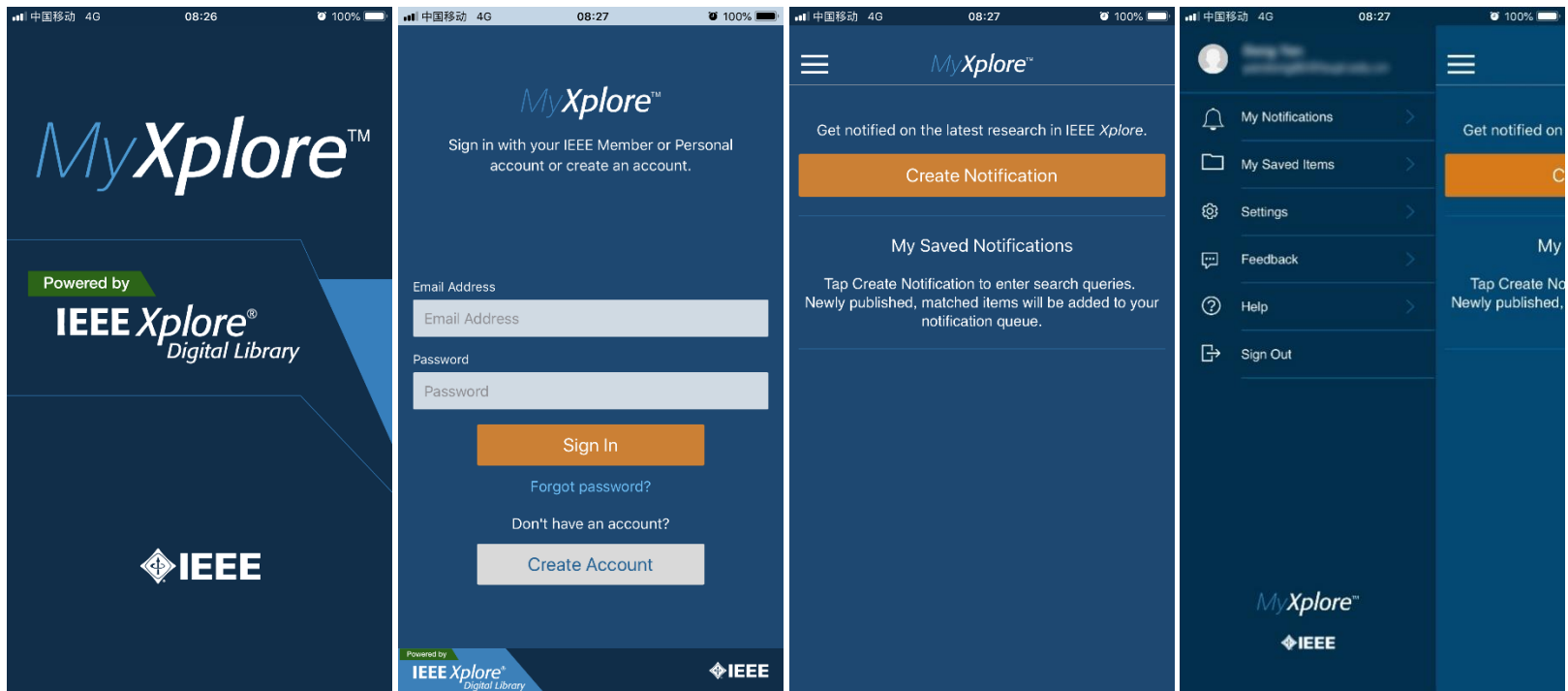
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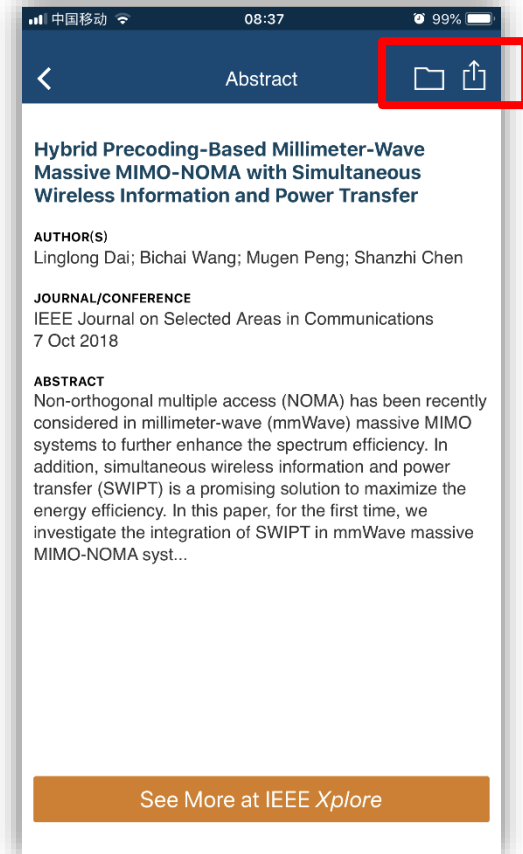
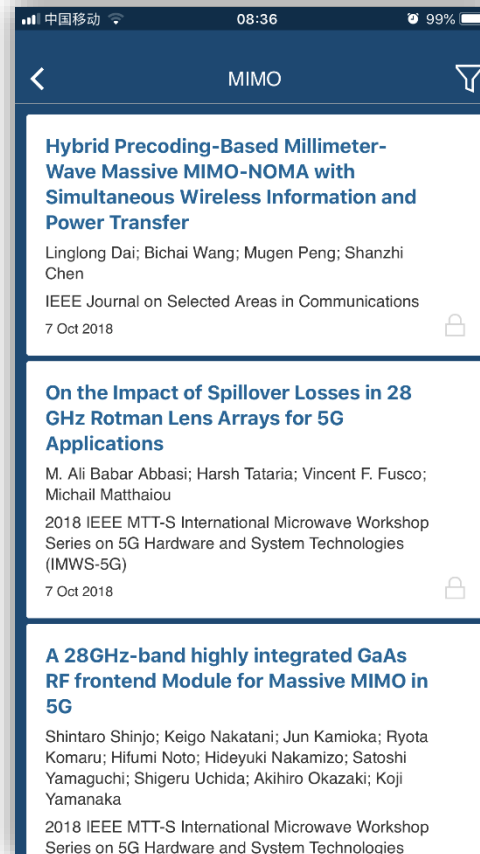
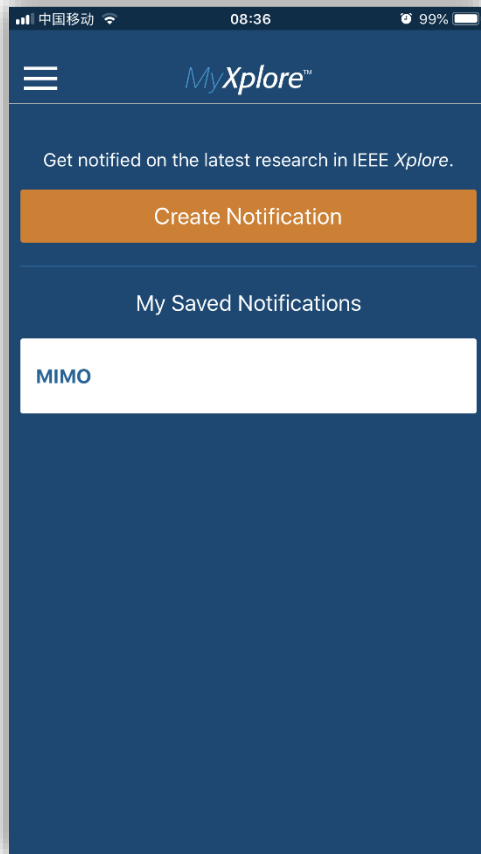


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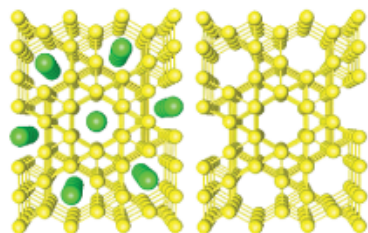
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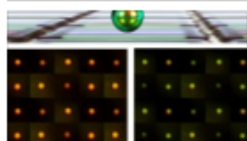
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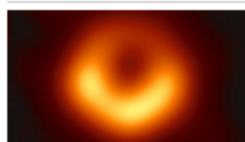
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周二	周四
第7讲：万方新平台——带你玩转学术文献 主讲：万方数据北方销售区培训师 崔霞 时间：5月7日(周二) 15:30—16:30 地点：西土城校区图书馆414培训室	第8讲：外文电子期刊全文数据库检索与利用（社科类） 主讲：北邮图书馆 闫冬 时间：5月9日(周四) 15:30—16:30 地点：西土城校区图书馆414培训室
第9讲：外文电子期刊全文数据库检索与利用（理工类） 主讲：北邮图书馆 方瑜 时间：5月14日（周二）15:30—16:30 地点：西土城校区图书馆414培训室	第10讲：学位论文的检索与利用 主讲：北邮图书馆 张海霞 时间：5月16日（周四）15:30—16:30 地点：西土城校区图书馆414培训室
第11讲：Emerald期刊助力科研，快人一步！ 主讲：Emerald培训师 杨培振 时间：5月21日（周二）15:30—16:30 地点：西土城校区图书馆414培训室	第12讲：足不出户获文献——学术文献的多渠道获取 主讲：北邮图书馆 李玲 时间：5月23日（周四）15:30—16:30 地点：西土城校区图书馆414培训室
第13讲：破除思维定势，走上科研之路 主讲：SpringerNature培训师 乔昆鹏 时间：5月28日（周二）15:30—16:30 地点：西土城校区图书馆414培训室	第14讲：Internet免费学术资源的检索与利用 主讲：北邮图书馆 侯瑞芳 时间：5月30日（周四）15:30—16:30 地点：西土城校区图书馆414培训室



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