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We promote, support and  
celebrate chemistry

The world's leading chemistry community, advancing  
excellence in the chemical sciences

# ROYAL SOCIETY OF CHEMISTRY

## 이용자 매뉴얼

<http://pubs.rsc.org/>

Last Update : FEB, 2018

# The Royal Society of Chemistry 소개

## 1) 학회 소개

: 1841년 설립된 비영리 학회로 전 세계 약 45,000명의 회원을 지니고 있는 유럽의 가장 큰 규모의 화학 학회

## 2) 주제

: 화학 전반 (무기화학, 물리화학, 유기화학, 나노화학, 분석화학, 일반화학, 식품화학, 재료 및 고분자화학, 응용 및 공업화학, 환경화학, 바이오분자화학)

## 3) 출판사 사이트 URL - <http://www.rsc.org/>

서비스제공 URL - <http://pubs.rsc.org/>

## 4) Access Coverage

: 2008년~현재 (타이틀 별 상이)  
(Journal Archive 1841년~2007년)



THE QUEEN'S AWARDS  
FOR ENTERPRISE  
INTERNATIONAL TRADE  
2013



ROYAL SOCIETY  
OF CHEMISTRY

# The Royal Society of Chemistry 소개

## 5) Gold 타이틀 종수

- Journal 43종
- Database 5종
- Magazine 1종
- Book Series 1종
- Annual Report(백파일) 1종

## 6) 무료제공

- ChemSpider (화학구조 검색 Database)
- Learning Chemistry (e-learning service)
- 2018년 신규저널 2종 (Materials Chemistry Frontiers, Sustainable Energy & Fuels)

## 6) 2016년 Impact Factor

- 저널 평균 인용지수 "6.2"
- 저널의 32% IF 5 이상, 70% IF 3 이상
- 저널 44종 중 SCIE 39종 등재 (SCI 23종)
- 'Chemical Society Reviews' IF 38.618



# RSC 서비스 제공 사이트 첫화면

아이콘 ≡ 클릭시  
전체 메뉴 리스트 팝업  
(이용자들을 위한  
정보 페이지로 빠른  
이동 가능)

컨텐츠 유형 별 페이지로 이동

Navigation bar with the following elements:

- Menu icon (hamburger icon) circled in red.
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- Search icon and text: Advanced
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- Text: 일반검색/고급검색 (General Search/Advanced Search)

## × Publishing

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## The Royal Society of Chemistry's Journals, Books and Databases

컨텐츠 유형 별 바로가기, 검색창, 리스트 이용 가능

### Our journals

View all journals



### Search our journals

eg Journal title, search term, author, DOI

### Jump straight to a journal

#### Analyst

1876 - Present

#### Analytical Methods

2009 - Present

## 출판사 소식

### About our publications

The Royal Society of Chemistry publishes 44 peer-reviewed journals, more than 1,500 print books and a collection of online databases and literature updating services.

Our international publishing portfolio covers the core chemical sciences including related fields such as biology, biophysics, energy and environment, engineering, materials, medicine and physics. As a not-for-profit publisher, we reinvest surplus funds back into the global scientific community, supporting our mission to advance excellence in the chemical sciences.

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We provide authors with the option to make their article gold open access in any of our journals. We have two full gold open access journals, *Chemical Science* and *RSC Advances*, and all our other journals are hybrid

# 일반검색

## Search results

1. 검색어 입력(아티클명, 타이틀명, 저자명, DOI, ISSN/ISBN 등)

2. 검색어와 연관된 저널/저널아티클/이북챕터 확인

Best matches

Journals (1)

**Chemical Society Reviews**  
1972 - Present

All (80617)   Articles (71342)   Chapters (9275)

Sort by relevance

3. 결과 내 재검색 가능

80617 items - Showing page 1 of 3225

Editorial

### Outstanding Reviewers for *Chemical Society Reviews* in 2016

We would like to take this opportunity to highlight the Outstanding Reviewers for *Chemical Society Reviews* in 2016, as selected by the editorial team for their significant contribution to the journal.



The article was first published on 11 May 2017  
*Chem. Soc. Rev.* 2017, 46, 2659-2659  
<http://dx.doi.org/10.1039/C7CS90038D>

5. 아티클 PDF 다운로드/HTML(웹사이트 상) 보기

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FILTERS APPLIED

Content Type - all

ARTICLE ACCESS

Open Access (3043)

AUTHOR

G. A. Webb (358)

D. Bryce-Smith (234)

E. W. Abel (226)

F. G. A. Stone (181)

4. 검색어와 연관된 아티클, 출판물의 저자/발행연도, 저널, 이북, 데이터베이스, 주제컬렉션으로 이동 가능

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### 1. 콘텐츠 유형 선택

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Reference Section  Include Reference  Exclude Reference (default)

Author (s)

Family Name

Given Name

Add Author

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e.g. Andrew

4. 저자 입력

Article/Chapter Title

e.g. Oxygen/Air Quality in Urban Environments

5. 아티클명/ 챗터명 입력

Article/Chapter DOI

10.1039/

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7. 출판연도 선택

Find

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### 고급검색 Tip

#### Advanced Search Tips

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#### Article / Chapter Title

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Advanced



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The Royal Society of Chemistry's

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Journal titles	Subject	Year
Current journals	All subjects	All years

### Current journals

#### Analyst

1876 - Present

#### Analytical Methods

2009 - Present

#### Biomaterials Science

2013 - Present

#### Catalysis Science & Technology

2011 - Present

#### Chemical Communications

1996 - Present

## About our journals

The Royal Society of Chemistry publishes 44 peer-reviewed journals that cover the core chemical sciences including related fields such as biology, biophysics, energy and environment, engineering, materials, medicine and physics.



# 저널 정보 및 발행이슈/아티클



## Chemical Society Reviews

Impact factor: 38.618 | Issues per year: 24 | Indexed in MEDLINE

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주제컬렉션 별 아티클 보기 가능

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(출판연도 및 페이지번호)

Year

e.g. 2018

Page

e.g. 45

Go

Find issues by year (1972 - Present)

2018 - vol. 47

연도별 이슈 보기  
(아카이브 포함)

Correction

### Correction: Nucleobases, nucleosides, and nucleotides: versatile biomolecules for generating fu

Fang Pu, Jinsong Ren and Xiaogang Qu

The article was first published on 16 Jan 2018

Chem. Soc. Rev., 2018, Advance Article

<http://dx.doi.org/10.1039/C8CS90006J>

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41 items

Correction

**Correction: Nucleobases, nucleosides, and nucleotides: versatile biomolecules for generating functional nanomaterials**

Fang Pu, Jinsong Ren and Xiaogang Qu

The article was first published on 16 Jan 2018  
*Chem. Soc. Rev.*, 2018, Advance Article  
<http://dx.doi.org/10.1039/C8CS90006J>

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13 Articles

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**Chemical Society Reviews**  
07 January 2018, Issue 1,  
Page 1 to 270

**Published Issues : 발행 호이슈 별 아티클, 커버, 비평 등 확인 및 다운로드**

16 items

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Profile

**Contributors to the emerging investigators issue 2018**  
*Chemical Society Reviews* profiles the Emerging Investigators featured in this issue.

From the themed collection: [2018 Emerging Investigators](#)

The article was first published on 16 Dec 2017

# 저널 아티클 페이지



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아티클의 Altmetric  
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Altmetric 1

Publication details

The article was received on 23 Mar 2017 and first published on 03 Jan 2018

Article type: Review Article

DOI: 10.1039/C7CS00213K

Citation: *Chem. Soc. Rev.*, 2018, Advance Article

BibTex

아티클 전문/일부  
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- Zehui Zhang
- George W. Huber

해당저자의 다른  
아티클 검색

## Catalytic oxidation of carbohydrates into organic acids and furan chemicals

Zehui Zhang\*<sup>a</sup> and George W. Huber\*<sup>b</sup>

[Author affiliations](#)

저자관련정보

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아티클의 제출일 및  
최초 출판일/ 아티  
클 유형/ DOI/ 인  
용다운로드

### Abstract

A wide variety of carbohydrates or carbohydrate derivatives, such as malonic acid, oxalomalonic acid, furancarboxylic acid, progress in the development of catalytic oxidation of an acidic site and acid, these reactions at a metal site. However, DFF or FDCA in the dehydration of carbohydrates, the second step was

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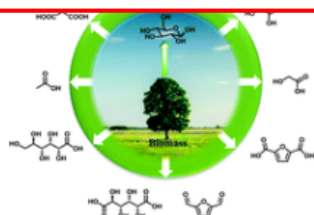
Any future updates will be listed below

Catalytic oxidation of carbohydrates into organic acids and furan chemicals  
Crossref DOI link: <https://doi.org/10.1039/c7cs00213k>  
Published:  
Update policy: [https://doi.org/10.1039/rsc\\_crossmark\\_policy](https://doi.org/10.1039/rsc_crossmark_policy)

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이선스 등 정보 확인 가능



## Chiral phosphoric acid catalysis: from numbers to insights

Overview of attention for article published in Chemical Society Reviews, January 2018



### About this Attention Score

In the top 25% of all research outputs scored by Altmetric

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### SUMMARY

### Twitter

**Title** Chiral phosphoric acid catalysis: from numbers to insights  
**Published in** Chemical Society Reviews, January 2018  
**DOI** 10.1039/c6cs00475j  
**Pubmed ID** 29355873  
**Authors** Rajat Maji, Sharath Chandra Mallojjala, Steven E. Wheeler  
**Abstract** Chiral phosphoric acids (CPAs) have emerged as powerful organocatalysts for asymmetric reactions... [show]

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The data shown below were collected

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- 1) Altmetric Attention Score(온라인상 관심도를 수치화)
- 2) 아티클에 대한 SNS(Tweeter, Facebook 등) 상 언급
- 3) 서지정보관리도구(Mendeley, CiteULike 등) 상 구독자 수



### Geographical breakdown

Country	Count	As %
United States	4	57%
United Kingdom	2	29%

### Demographic breakdown

Type	Count	As %
Members of the public	4	57%
Scientists	2	29%

# Books

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Book series

Issues in Environmental Science and Technology

52 books - Showing page 1 of 2

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이북의 소개, 저자  
및 편집자 정보

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If you have an idea for a book, please read through the following information and guidelines on how to submit a book proposal to the Royal Society of Chemistry.

# Books



## Marine Pollution and Human Health

Editors: R E Hester, R M Harrison

⊕ Preliminary content

**Preliminary content** 클릭 시  
속표지, 서문, 편집자, 기여자  
정보 등 보기 가능

Chapter 1

### Marine Environment and Human Health: An Overview

J. Icarus Allen

Pages 1 - 24

**챕터 PDF 다운로드**

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Chapter 2

### Waterborne Pathogens

Jill R. Stewart, Lora E. Fleming, Jay M. Fleisher, Amir M. Abdelzaher and M. Maille Lyons

Pages 25 - 67

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Chapter 3

### Estuarine and Marine Pollutants

James W. Readman., Eniko Kadar, John A. J. Readman and Carlos Guitart

Pages 68 - 94

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Chapter 4

### Harmful Algal Blooms

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\* Exclusive of taxes

This book contains 182 pages.

Publication details

<http://dx.doi.org/10.1039/9781849732871>

Print publication date: 29 Sep 2011

Copyright year: 2011

Print ISBN: 978-1-84973-240-6

PDF eISBN: 978-1-84973-287-1

Citation:

BibTex



Go

**인쇄출판일자/ 판권연도/ ISBN  
확인, 인용정보 다운로드**

**이북 및 저자에 대한 자세한 소개**

About this book

There is growing concern about the state of the world's oceans. The rapid growth of human populations in coastal regions has led to increasing dependence on marine resources. Beneficial features related to food supply and life style need to be balanced against the hazards

# Database

☰ Publishing Journals Books **Databases** 🔍

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Database 사이트로 이동

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- **MarinLit** (해양천연물 고급검색- 유료)
- **ChemSpider** (화합물 검색사이트-무료)

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### MarinLit ↗

A comprehensive database of the marine natural products literature, covering new and revised structures, synthesis, ecology and biological activities. Features flexible searching and powerful dereplication tools based on predicted and experimental data.



### The Merck Index\* Online ↗

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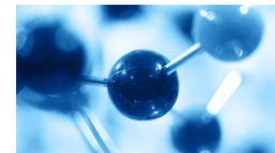
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#### Synthetic Reaction Updates ↗

Keep up to date with the latest developments in synthetic organic chemistry. Browse or search recent reactions and create custom email alerts based on your research interests.



#### Chemical Hazards in Industry ↗

Health and safety issues surrounding chemicals encountered in the chemical and related industries.

#### Laboratory Hazards Bulletin ↗

Comprehensive coverage of hazards encountered by laboratory workers. Includes waste management, occupational monitoring and legislation.

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**Publishing**  
Journals, books and databases

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ROYAL SOCIETY OF CHEMISTRY

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Natural Product Updates is a literature updating service keeping you current with recent developments in natural products chemistry. Covering a wide range of primary sources, Natural Product Updates includes the most important natural product articles published in the recent scientific literature, which are searchable by topic, natural source, biological activity and structure type. You can:

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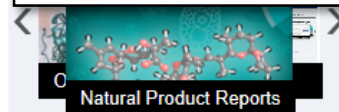
Sulfur-containing compounds from the roots of *Ferula latisecta* and their cytotoxic activities

Saba Soltani, Gholam-Reza Amin, Mohammad Hossein Salehi-Sourmaghi, Bernd Schneider, Sybille Lorenz, Mehrdad Iranshahi

*Fitoterapia*, 2018, 124, 108 – 112

Full text: <http://dx.doi.org/https://doi.org/10.1016/j.fitote.2017.10.012>

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# ChemSpider (무료)

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ROYAL SOCIETY OF CHEMISTRY

## ChemSpider

Search and share chemistry

Search ChemSpider

Simple Structure Advanced History

## Search ChemSpider

Matches any text strings used to describe a molecule.

Search

Systematic Name, Synonym, Trade Name, Registry Number, SMILES, InChI or CSID

### What is ChemSpider?

ChemSpider is a free chemical structure database providing fast text and structure search access to over 63 million structures from hundreds of data sources.

### Search by chemical names

- Systematic names
- Synonyms
- Trade names
- Database identifiers

### Search by chemical

- Create structure-based queries
- Draw structures in the web page
- Use structure files from your computer

- Literature references
- Physical properties
- Interactive spectra
- Chemical suppliers

### Advertisement

Building Blocks for Medicinal Chemists

Primary and Secondary Amines  
Boronic and Carboxylic Acids  
And More Chemical Classes



## Blog

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[Introduction to the new ChemSpider website](#)

[What's new with ChemSpider?](#)

[Linking from ChemSpider to the Crystallography Open Database](#)

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63 Million  
chemical structures

282  
Data sources

\* ChemSpider : 화학자 커뮤니티를 위한 RSC의 고유 화학구조 검색 DB (<http://www.chemspider.com/>)

- 1) 58,000,000개 이상의 화합물 구조(480개 이상 데이터소스)
- 2) 텍스트와 화합물 구조의 빠른 검색
- 3) 데이터 누적(Deposition) 및 보존(Curation)
- 4) Daily Update (데이터 및 링크)
- 5) 모바일 서비스 제공

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Home > Resources & tools

## Resources & tools

Find out what we offer to help save you time in the laboratory, at work or when you are studying at school or in university

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## LearnChemistry

Enhancing learning and teaching



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Enter your search phrase e.g. greenhouse effect worksheet

All resources except substances

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Highlights



GCSE science mapping



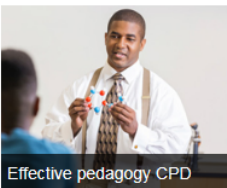
Starlight, with Tim Peake

Teach Training Scholars

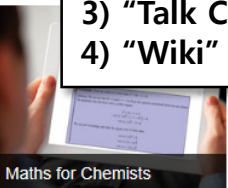
ITT Sc



Science ideas webs



Effective pedagogy CPD



Maths for Chemists



Periodic Table app

Chemistry in Health

Learn Chemistry : 화학분야 교수와 학생들에게 교육자료를 제공하는 e-learning 서비스 (매월 업데이트)

URL - <http://www.rsc.org/learn-chemistry>

- 1) RSC 출판물 및 화학용어, 화학관련 전세계 이슈 검색
- 2) 화학 관련 비디오, 시뮬레이션, 게임 등 제공
- 3) "Talk Chemistry" : 주요 커리큘럼 뉴스와 의견 개진
- 4) "Wiki" : RSC 출판물의 최신뉴스 및 교수와 학생들의 연구자료 공유

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 (<http://pubs.rsc.org/en/ealerts/rssfeed>)  
 - 관리자사이트 Librarians' Portal에서도 신청가능

**RSS Feeds**  
 RSS feeds allow you to keep up to date with our latest published content. Feeds are now available for Chemistry World News, general RSC news and journal Advance Articles.


News feeds and how to get started  
 Using RSC feeds on your website

**\* RSS Feed란?**  
 : Alert Service의 일종으로 웹 상에서 실시간으로 새로운 발행분의 정보를 확인

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1. RSS Feed 를 받고자 하는 저널 클릭

RSC - Green Chem. latest articles  
 자주 업데이트되는 콘텐츠를 가진 피드를 보고 있습니다. 피드에 가입하면 일반 피드 목록에 추가됩니다. 피드의 업데이트된 정보는 자동으로 사용자의 컴퓨터로 다운로드되며 Internet Explorer 또는 다른 브라우저에서 볼 수 있습니다. 피드에 대해 자세한 사항은...

 이 피드에 가입

2. '이 피드에 가입' 클릭 시 나타나는 팝업 창을 통해 가입 신청

이 피드 구독


이 피드 구독  
 피드를 구독하면 이 서비스는 즐겨찾기 센터에 자동으로 추가되고 최신 상태로 유지됩니다.

이름(N):

위치 지정(B):  피드

즐겨찾기 모음에 추가(A)

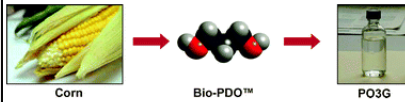
피드란?

즐겨찾기 피드 열려본 페이지 목록  
 RSC - Green Chem, latest articles

웹 화면 "피드" 탭에서 확인 가능

Renewably sourced poly(trimethylene ether glycol) by superacid catalyzed condensation of 1,3-propanediol

2010년 7월 21일 어제, 오전 9:00:00 | Mark A. Harmer →



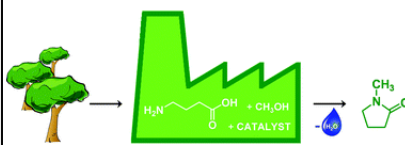
Corn → Bio-PDO™ → PO3G

In this paper we describe the synthesis of a new 100% renewably sourced monomer, 1,3-propanediol (PDO).

Mark A. Harmer, David C. Confer, Christian K. Hoffman, Scott C. J...  
 (from Green Chem.)  
 Mark A. Harmer, Green Chem., 2010, DOI: 10.1039/C002443K  
 To cite this article before page numbers are assigned, use the D...  
 The content of this RSS Feed (c) The Royal Society of Chemistry

Synthesis of biobased N-methylpyrrolidone by one-pot procedure

2010년 7월 21일 어제, 오전 9:00:00 | Tijs M. Lammens →



Biobased N-methylpyrrolidone was prepared by the cyclization of [gamma]-aminobutyric acid (obtained from glutamic acid) to 2-pyrrolidone and subsequent catalytic methylation of 2-pyrrolidone with methanol to N-methylpyrrolidone. This was done in a one-pot procedure.

# RSC 모바일서비스 이용안내

## 1) 모바일 사이트 URL : [pubs.rsc.org](http://pubs.rsc.org)

(2017년 10월부터 어플리케이션이 아닌 사이트 접속을 통한 모바일 서비스 제공)

## 2) 이용방법 : 출판사에 등록된 기관의 IP 내 무선인터넷 망을 통해 모바일사이트에 접속하여 이용

\* 기관 외 장소 - 오프라인 상 저장된 원문만 이용 가능

- 개인계정으로 로그인하여 무료저널의 Vol. 1~2만 확인 가능(기관구독분 이용 불가능)

## 3) 모바일 서비스 특징

- 모바일 브라우저에 최적화된 디스플레이
- 구독 중인 출판물 및 최신발행 무료저널 이용 가능
- HTML 및 PDF 형태의 원문 저장 및 보기(오프라인 작업 가능)
- Email, Twitter, Facebook를 통한 아티클 전송 및 공유





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