

# ACS (AMERICAN CHEMICAL SOCIETY) 이용매뉴얼

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# 1. 출판사 소개

ACS (미국화학회, American Chemical Society)

· 출판사 URL : <http://www.acs.org>

1876년에 설립, 세계 130개 이상 국가의 15만 이상 회원들로 구성  
학술단체로서 화학 분야의 연구뿐만 아니라 Journals 및 eBook을 출판

· ACS의 역할



화학 및 과학 전  
분야 발전에 기여



과학 교육 및  
환경/사회적 공공  
정책 지원



개인 커리어 개발  
지원



대중을 위한 교육



미래 화학자들을  
위한 지원



ACS 멤버십으로  
화학의 혁신 및  
발전 촉진

- 홈페이지 : <http://pubs.acs.org>
- **ACS Journals** : 농업, 생화학, 분석화학, 핵화학, 의화학, 유기화학, 물리화학 등 화학 및 과학 전반의 주제분야를 다루는 80종 이상의 우수 전자저널 제공
- **ACS Legacy Archives** : 과거, 현재, 미래 화학 연구의 중요한 자료인 1996년 이전 ACS 전자저널 아카이브 제공
- **ACS eBook**
  - 1) **Advances in Chemistry(1949-1988)**
  - 2) **Symposium Series(1974-Current)**
  - 3) **ACS In Focus** : 모든 수준 독자들의 새로운 과학주제와 핵심기술에 대한 빠르고 근본적인 이해를 돕고, 노련한 과학자의 지식과 역량 성장을 위한 자료 제공
- **ACS Reference Works**
  - 1) **ACS Reagent Chemical** : 화학물질 품질, 순도 및 관련 사양, 절차에 대한 참고 자료집 분석, 산업 및 연구 실험실에서 필수 구비하는 500여 가지의 시약과 시약의 표준 등급, 화학 물질에 대한 사양 및 테스트 절차에 대한 정보 제공
  - 2) **ACS Guide to Scholarly Communication** : 학술 간행물의 인용 표준 방법 포함, 미국화학회 출간 화학 관련 학술지 작성을 위한 표준 논문작성 지침서

### 3. ACS 이용방법

#### · 메인 화면

ACS ACS Publications C&EN CAS

ACS Publications  
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Discover trusted, authoritative, and inspiring research from outstanding, peer-reviewed journals

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Advanced Search

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[Analytical Chemistry](#) [Organic and Organometallic](#)

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Access through institution | Log In

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키워드 검색 및 상세 검색

주제분야별 콘텐츠 브라우즈



## · 저널 메인 화면

ACS Publications  
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Journal of the American Chemical Society

The flagship journal of the American Chemical Society with broad coverage in all areas of chemistry.

Editor-in-Chief: Robert Waymouth  
Editors & Editorial Board: [List of names]  
2 Year Impact Factor: [Value]

Volume 146, Issue 51  
December 25, 2024

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**Triphenylphosphine Oxide-Derived Anolyte for Application in Nonaqueous Redox Flow Battery**  
Emily R. Mahoney, ... and Christian A. Malapit\*  
January 7, 2025

**Isolation of Inner-Sphere Complexes of Samarium**  
Todd N. Poe, ... and Thomas J. Meyer  
January 7, 2025

**alkane monooxygenase (AlkB)**

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- ▶ **List of Issues** : 과거부터 현재까지 연도별로 issue 리스트 제공
- ▶ **ASAP Articles** : 가장 최근 출판된 아티클
- ▶ **Current Issue** : 최근 출판된 issue의 원문 리스트 제공
- ▶ **Authors** : 저자들 manuscripts 준비부터 제출까지의 guideline 제공 (출판사마다 상이)
- ▶ **About the Journal** : 해당 저널 및 editor 정보, profile 등 제공

## · 저널 메인 화면 – 주제분야별 브라우징

The screenshot shows the ACS Publications website interface. At the top, there are navigation links for ACS, ACS Publications, C&EN, and CAS, along with a search bar and user options like 'Find my institution' and 'Log In'. The main header features the ACS Publications logo and the text 'Most Trusted. Most Cited. Most Read.' Below this, the 'Journal of the American Chemical Society' (JACS) is highlighted as the flagship journal, with a description of its scope and impact factor. A 'Submit Manuscript' button is prominently displayed. Below the journal information, there are navigation tabs for 'List of Issues', 'ASAP Articles', 'Current Issue', 'Authors', and 'About the Journal'. The 'ASAP ARTICLES' section is also visible, with a note that articles are edited and published online ahead of issue. A red dashed box highlights a section titled '주제 분야 별 하위 카테고리 선택을 통한 특정 분야에 관련 콘텐츠 열람' (View related content in a specific field through selection of sub-categories by subject area). This section is titled 'Browse by Subject' and includes a list of 'All Subject Areas' (Physical chemistry, Inorganic chemistry, Cross-disciplinary concepts, Organic chemistry, Materials science) and a detailed view of 'Physical chemistry' sub-categories (Chemical structure, Molecules, Quantum mechanics, Spectroscopy, Surface science). The 'Quantum mechanics' sub-category is further detailed with article counts: Excited states (697), Electronic structure (474), Potential energy (415), Tunneling (284), and Quantum yield (247). A 'See All (55419)' button is provided for the Physical chemistry section, and a 'See All (5919)' button is provided for the Quantum mechanics section.

## · eBook 메인 화면

The screenshot shows the ACS eBooks website interface. On the left, a sidebar lists content types: All Types, Journals, Books and Reference (highlighted with a red box), News, and Curated Content. The main content area features a list of series: ACS Guide to Scholarly Communication, ACS In Focus (highlighted with a red box), ACS Reagent Chemicals, ACS Symposium Series (highlighted with a red box), Advances in Chemistry, and Medicinal Chemistry. Below this is a detailed view of the ACS Symposium Series, including a search bar, navigation links (About ACS eBooks, Get Access, Recommend to Your Librarian), and a description of the series. At the bottom, a 'Find a Book' section is highlighted with a red box, showing filters for 'By Year' (set to 2024), 'By Sponsoring Divisions', and 'By Subject', along with a search icon and a result count '(Showing results 1-10 of 10)'. A callout box on the left explains the 'Find a Book' search options.

**CONTENT TYPES**

- All Types
- Journals
- Books and Reference**
- News
- Curated Content

ACS Guide to Scholarly Communication

**ACS In Focus**

ACS Reagent Chemicals

**ACS Symposium Series**

Advances in Chemistry

Medicinal Chemistry

ACS Publications  
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Search text, DOI, authors, etc.

My Activity Publications

**ACS SYMPOSIUM SERIES** eBooks

The ACS Symposium Series, part of the ACS eBooks, are the high-quality, peer-reviewed eBooks developed from ACS technical divisions' symposia. Each chapter is carefully authored by an expert in the field, and the collection of chapters edited by an internationally recognized leader in the field. The series covers a broad range of topics including agricultural and food chemistry, cellulose and renewable materials, chemical education, organic chemistry, polymer chemistry, materials, and many others.

eISSN: 1947-5918 | ISSN: 0097-6156

**Find a Book**

By Year By Sponsoring Divisions By Subject

2024 (Showing results 1-10 of 10)

- ▶ **Find a Book** : eBook 타이틀 검색
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- ▶ **By Sponsoring Divisions** : 후원 부서/단체 관련 eBook 조회
- ▶ **By Subject** : 분야별 eBook 조회

# 3. ACS 이용방법

## · eBook 타이틀 화면

The screenshot shows the ACS Publications website interface. At the top, there is a navigation bar with 'ACS Publications', 'C&EN', and 'CAS' links, along with a search bar and 'Find my institution' and 'Log In' options. The main content area features the book cover on the left, the title 'Nano-Hybrid Smart Coatings: Advancements in Industrial Efficiency and Corrosion Resistance' in the center, and navigation links for 'PREVIOUS BOOK', 'NEXT BOOK', and 'VIEW ALL BOOKS' on the right. Below the title, there is a section for 'Title, Copyright, Foreword' which includes the DOI, publication date, and a 'Free to Read' label. A red dashed box highlights the 'Sample Chapter 무료 보기 가능' (Sample Chapter Free View Available) text, and another red box highlights the 'VIEW ALL BOOKS' link.

ACS Publications  
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Search text, DOI, authors, etc.

My Activity Publications

**NANO-HYBRID SMART COATINGS**  
ADVANCEMENTS IN INDUSTRIAL EFFICIENCY AND CORROSION RESISTANCE  
KUMAR & THAKUR

Download Cover

# Nano-Hybrid Smart Coatings: Advancements in Industrial Efficiency and Corrosion Resistance

Editor(s): Ashish Kumar<sup>1</sup> and Abhinay Thakur<sup>2</sup>  
Volume 1469  
Publication Date (Web): June 18, 2024  
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eISBN: 9780841296961  
DOI: 10.1021/bk-2024-1469

< PREVIOUS BOOK  
> NEXT BOOK  
VIEW ALL BOOKS

<sup>1</sup> Nalanda College of Engineering, Bihar Engineering University, Department of Science, Technology and Technical Education, Government of Bihar, Bihar, India  
<sup>2</sup> Division of Research and Development, Lovely Professional University, Phagwara, Punjab, India

**Comprehensive Guide to Nano-Hybrid Smart Coatings.** The global cost of corrosion is estimated at US \$2.5 trillion, or 3.4% of global GDP. Traditional coatings fall short of protecting against corrosion, but the emergence of nano-hybrid smart coatings

+ Read more

**Title, Copyright, Foreword**

i-v  
DOI: 10.1021/bk-2024-1469.fw001 **Free to Read**  
Publication Date (Web): June 18, 2024

First Page PDF

**Sample Chapter 무료 보기 가능**

## · Basic Search

The screenshot shows the ACS Publications website homepage. At the top, there is a navigation bar with links for ACS, ACS Publications, C&EN, and CAS. On the right side of the navigation bar, there are links for 'Access through institution' and 'Log In'. Below the navigation bar, the ACS Publications logo is displayed with the tagline 'Most Trusted. Most Cited. Most Read.'. To the right of the logo, there are dropdown menus for 'Read', 'Publish', 'Subscribe', and 'Help'. The main content area features a large banner with the text 'Power your research and learning' and 'Discover trusted, authoritative, and inspiring research from outstanding, peer-reviewed journals'. A search bar is prominently displayed in the center of the banner, containing the placeholder text 'Search text, DOI, authors, etc.' and a magnifying glass icon. A red dashed box highlights the search bar, and a callout box with the Korean text '키워드 검색 및 상세 검색' (Keyword search and detailed search) points to the search bar. Below the search bar, there is a link for 'Advanced Search'. The background of the banner features a molecular structure visualization.

### Browse by Subject

[Agricultural and Food Chemistry](#)

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Chemistry](#)

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## · 검색 결과

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ACS Publications C&EN CAS

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Publications

검색 결과 콘텐츠 유형, 아티클 주제분야, Publication Date, Topic 등으로 분류 가능

현 검색 저장 (Save this search)과 새 결과 업데이트 알람 설정 가능

RESULTS: 1 - 20 of 5547

검색 결과 내 재 검색

REFINE SEARCH

PER PAGE: 20 50 100

SORT: RELEVANCE

Relevance 또는 Date으로 분류 가능

1 2 3 4 5 6 7

Article  
Performance Improvement of Lithium Manganese Phosphate by Controllable Morphology Engineering  
Hui Guo, Chunyang Wu, Longhui Zhao  
Inorganic Chemistry 2015, 54, 2, 667-674 (Article)  
Publication Date (Web): January 5, 2015  
DOI: 10.1021/ic5026075

아티클 Abstract, 전문, PDF 보기 및 해당 화면 이동

Abstract Full text PDF

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기관 구독 콘텐츠 표시

ABSTRACT

화면이동 없이 해당 아티클 Abstract 열람 가능

Capacity (mAh g<sup>-1</sup>)  
Ratio of H<sub>2</sub>PO<sub>4</sub>/MnSO<sub>4</sub>

Inorganic Chemistry

Article  
Nano-Engineered Multiblock Copolymer Nanoparticles via Reversible Addition-Fragmentation Chain Transfer Emulsion Polymerization  
Thiago R. Guimarães, Murtaza Khan, Rhiannon P. Kuchel, Isabel C. Morrow, Hideto Minami, Graeme Moad, Sébastien Perrier, and Per B. Zetterlund\*  
Macromolecules 2019, 52, 8, 2965-2974 (Article)  
Publication Date (Web): April 3, 2019

PENTABLOCK NANO-ENGINEERED PARTICLE

## · 원문 페이지

ACS ACS Publications C&EN CAS

Search text, DOI, authors, etc.

*Inorganic Chemistry* > Vol 54/Issue 2 > Article

Subscribed

ARTICLE | January 5, 2015

### Performance Improvement of Lithium Manganese Phosphate by Controllable Morphology Tailoring with Acid-Engaged Nano Engineering

Hui Guo<sup>†</sup>, Chunyang Wu<sup>†‡</sup>, Longhuan Liao<sup>†</sup>, Jian Xie<sup>†‡</sup>, Shichao Zhang<sup>§</sup>, Peiyi Zhu<sup>||</sup>, Gaoshao Cao<sup>†‡</sup>, and Xinbing Zhao<sup>†‡</sup>

**View Author Information** ▾

Open PDF Supporting Information (1)

**Abstract**

Olivine-type lithium manganese phosphate (LiMnPO<sub>4</sub>) considered as a promising cathode for next-generation Li-ion batteries. Preparation of high-performance LiMnPO<sub>4</sub> still remains a great challenge because of its intrinsically low Li-ion/electronic conductivity. In this work, significant performance enhancement of LiMnPO<sub>4</sub> has been realized by a controllable acid-engaged morphology tailoring from large spindles into small plates. We find that acidity plays a critical role in altering the morphology of the LiMnPO<sub>4</sub> crystals. We also find that size decrease and plate-like morphology are beneficial for the performance improvement of LiMnPO<sub>4</sub>. Among the plate-like samples, the one with the smallest size shows the best electrochemical performance. After carbon coating, it can deliver high discharge capacities of 104.0 mAh g<sup>-1</sup> at 10 C and 85.0 mAh g<sup>-1</sup> at 20 C. After 200 cycles at 1 C, it can still maintain a high discharge capacity of 106.4 mAh g<sup>-1</sup>, showing attractive applications in high-power and high-energy Li-ion batteries.

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▶ **해당 아티클 열람 건수, Altmetric, Citation 된 건수**

Article Views	Altmetric	Citations
1126	1	27

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**Recommended Articles**

Electrochemical Performance and In Situ Phase Transition Analysis of Iron-Doped Lithium Manganese Phosphate  
June 13, 2024 | *Energy & Fuels*  
Yiting Wang, Yaqi Deng, Yiwen Liu, Xinyi Sun, Yigang Wang, Hang Liu, Haosh...

Optimizing the Electrochemical Performance of Olivine LiMn<sub>x</sub>Fe<sub>1-x</sub>PO<sub>4</sub> Cathode Materials: Ongoing Progresses and Challenges  
May 23, 2024 | *Industrial & Engineering Chemistry Research*  
Enhao Xu, Xiaobo Sun, Wei Lv, Fangbing Li, Ruixing Li, Wenlong Cai, Hao Wu...

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1. 장애 원인: 1) 네트워크 장애 2) 출판사 서버장애 3) 미구독 콘텐츠 접속 4) IP Block

### 2. 증상 및 대처방법

1) ACS 및 다른 출판사 홈페이지가 모두 접속되지 않는 오류

→ 기관의 네트워크 장애입니다.

2) ACS 홈페이지만 접속이 되지 않는 오류 (예시 : Page Not found 오류)

→ ACS 홈페이지 업데이트 또는 일시적인 네트워크 오류일 수 있습니다. URL이 포함된 오류 화면 스크린샷 및 접속방법(기관 IP대역 내/외, 사용 브라우저 정보 등) 확인과 함께 신원데이터넷으로 연락하여 주십시오.

3) Full-text 클릭 시 기관 검색 또는 ID/PW를 묻는 창이 뜨는 오류

→ 기관 인증(IP대역)에 오류가 있거나 기관에서 미구독하는 콘텐츠 접속에 따른 오류일 수 있습니다.

(1) 오류 화면과 (2) <http://whatismyip.com/> 접속 후 나타나는 페이지를 URL 포함 캡처하여 신원데이터넷으로 전달하여 주시기 바랍니다.

\*접속한 저널명, 논문발행연도(ex: 1999), URL 등 상세 정보 공유 시 빠른 오류 확인이 가능합니다.

4) 특정 IP대역 원문 열람 불가 및 IP Block 안내 창이 뜨는 오류

→ 불법 프로그램 사용, 이용자 계정 해킹 또는 과도한 원문 열람 및 다운로드에 따라 IP대역 접속이 중지된 경우입니다.

해당 IP Block은 기관 담당자에게 eMail로 통보되며, IP Block을 확인한 이용자는 도서관 또는 신원데이터넷으로 연락하여 주십시오.

(차단된 IP 대역의 Access 복구를 위하여, 과다 다운로드에 대한 자세한 조사 내역과 과다 다운로드 예방을 위한 기관 내 사후조치를 명시한 사유서 등을 기관 담당자에게 요청할 수 있습니다.)

★ACS 이용자분들께서는 불법/대량 다운로드 프로그램/시스템 이용을 삼가 주시고  
단 시간 내 과도한 ACS Full Text 열람 및 다운로드를 자제하여 주시기 바랍니다.

**감사합니다**

**신원데이터넷**

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