
PNAS

(Proceedings of National Academy of Science)

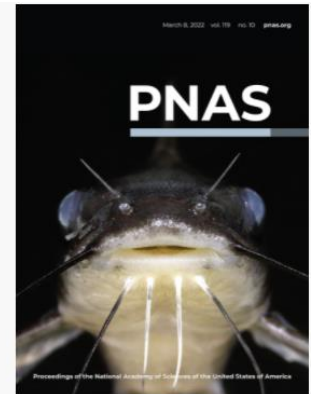
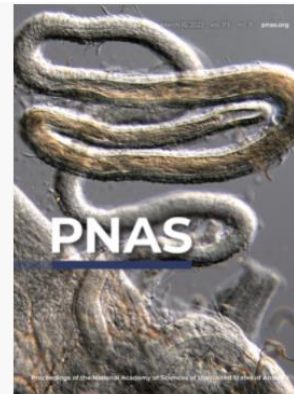
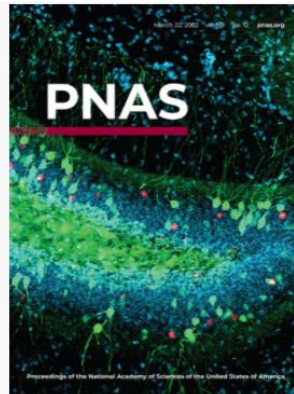
신원데이터넷

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1. About PNAS
2. Browse PNAS
3. Search PNAS

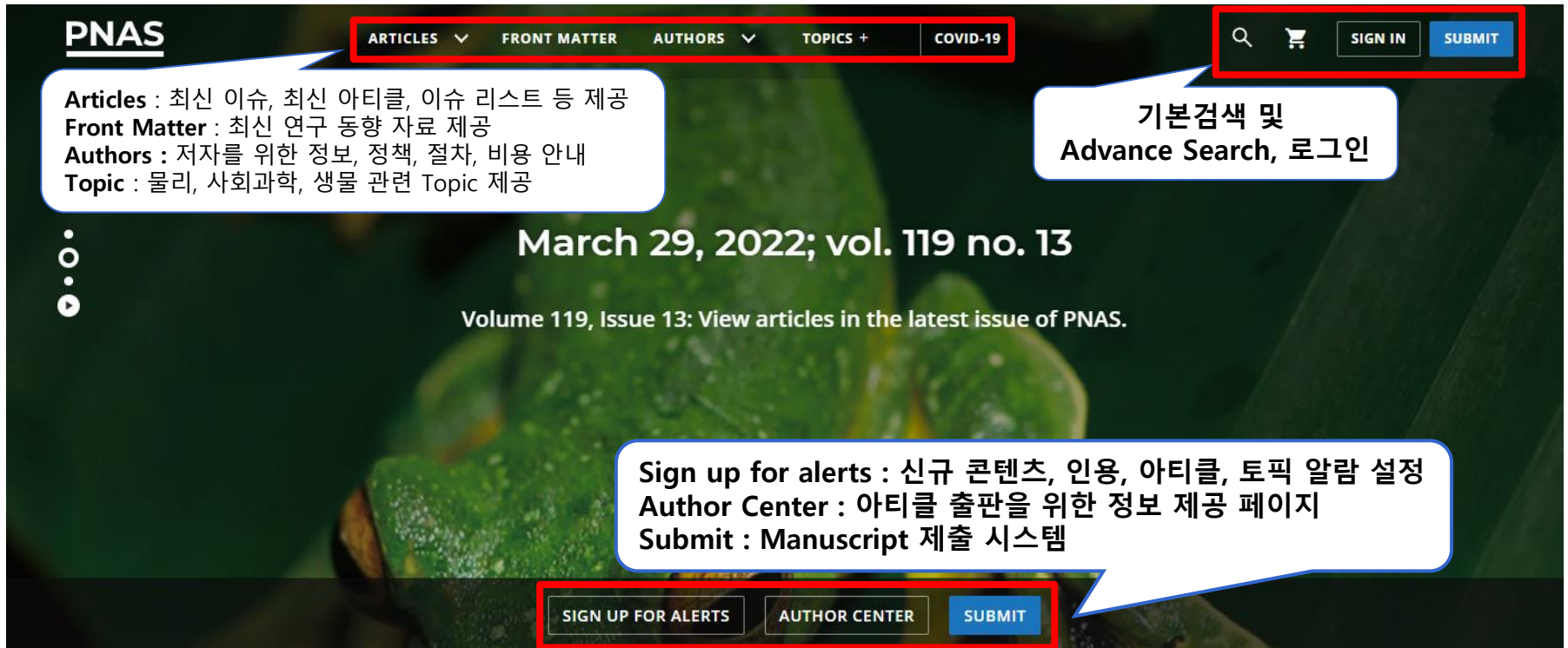


- ❑ Publisher : National Academy of Science
- ❑ 서비스 URL : <https://www.pnas.org>
- ❑ 1914년부터 발간된 PNAS는 전세계적으로 인용도가 가장 높은 저널임 (2020 Impact Factor : 11.205)
- ❑ 현재 약 50개 국가에서 구독 중이며, 120여개의 개발도상국 국가에 Free online access 제공하고 매일 새로운 온라인 기사와 매주 새 이슈를 발간
- ❑ 주제분야 : Biological, Physical, Social Sciences
- ❑ 제공 년도 : 1915년 ~ 현재



2. Browse PNAS

- PANS Main Homepage (URL : pnas.org)



PNAS ARTICLES ▾ FRONT MATTER AUTHORS ▾ TOPICS + COVID-19

Articles : 최신 이슈, 최신 아티클, 이슈 리스트 등 제공
Front Matter : 최신 연구 동향 자료 제공
Authors : 저자를 위한 정보, 정책, 절차, 비용 안내
Topic : 물리, 사회과학, 생물 관련 Topic 제공

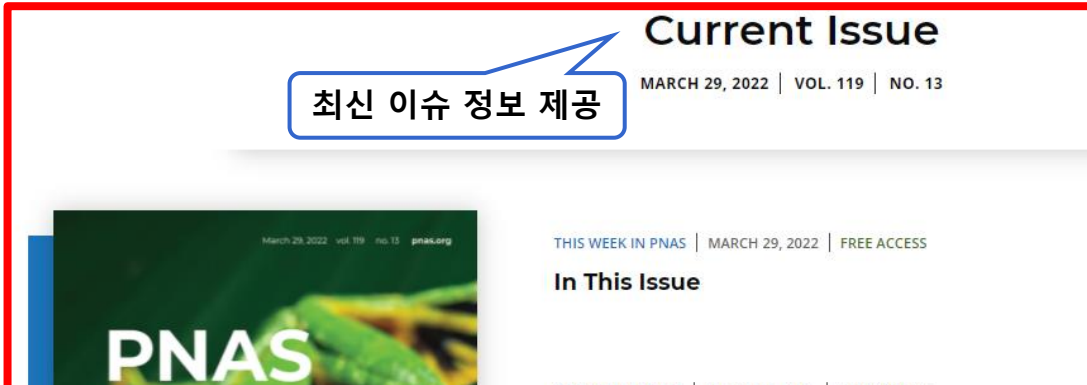
기본검색 및 Advance Search, 로그인

March 29, 2022; vol. 119 no. 13

Volume 119, Issue 13: View articles in the latest issue of PNAS.

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Current Issue
MARCH 29, 2022 | VOL. 119 | NO. 13

최신 이슈 정보 제공

THIS WEEK IN PNAS | MARCH 29, 2022 | FREE ACCESS

In This Issue

PNAS



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- Front Matter
- Recent Issue

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PNAS ARTICLES ^ FRONT MATTER AUTHORS v TOPICS +

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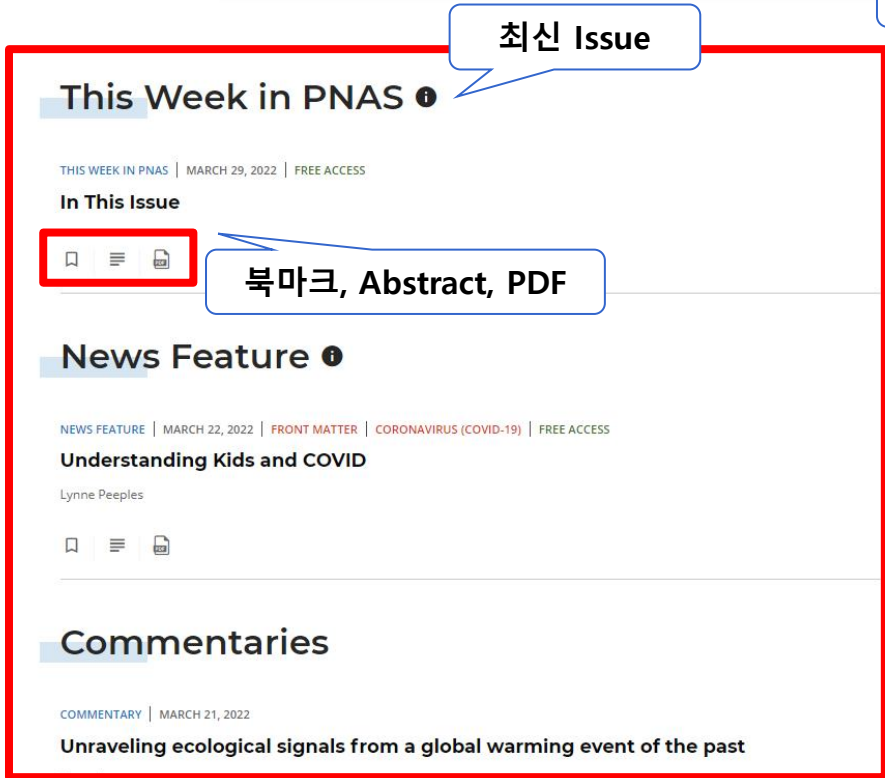
최신 이슈
최신 아티클
큐레이트 컬렉션
이슈 리스트
PNAS Nexus

CURRENT ISSUE
LATEST ARTICLES
SPECIAL FEATURES
LIST OF ISSUES
PNAS NEXUS

Current Issue
MARCH 29, 2022 | VOL. 119 | NO. 13

< PREVIOUS ISSUE ALL ISSUES NEXT ISSUE >

이전이슈, 전체이슈, 다음이슈 보기



최신 Issue

This Week in PNAS ⓘ

THIS WEEK IN PNAS | MARCH 29, 2022 | FREE ACCESS

In This Issue

북마크, Abstract, PDF

News Feature ⓘ

NEWS FEATURE | MARCH 22, 2022 | FRONT MATTER | CORONAVIRUS (COVID-19) | FREE ACCESS

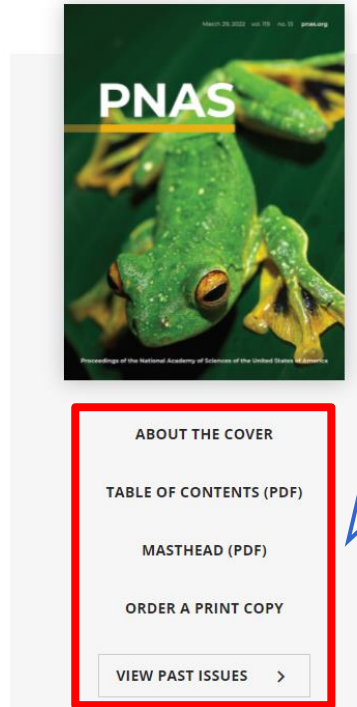
Understanding Kids and COVID

Lynne Peoples

Commentaries

COMMENTARY | MARCH 21, 2022

Unraveling ecological signals from a global warming event of the past



PNAS

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TABLE OF CONTENTS (PDF)
MASTHEAD (PDF)
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커버 이미지 정보
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지난 Issue 보기

2. Browse PNAS

- PANS All Issues (Current & Archives)

Issues Archives

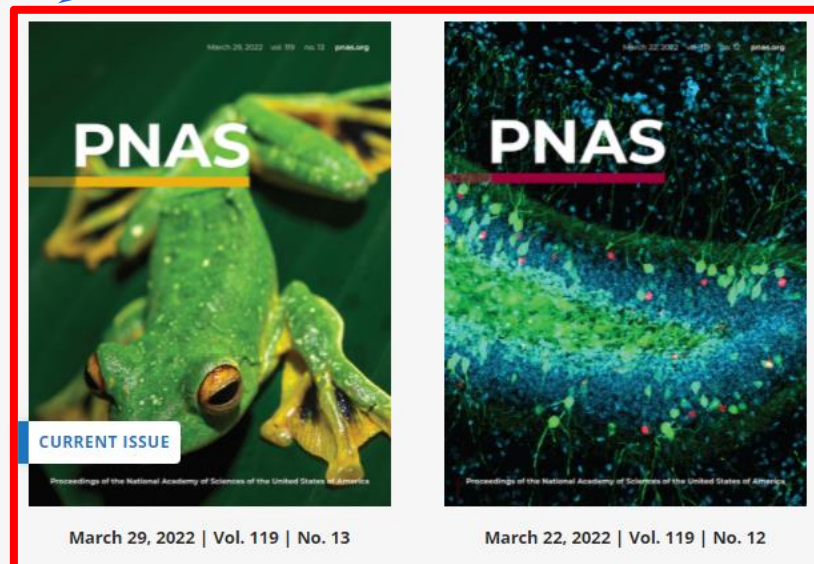
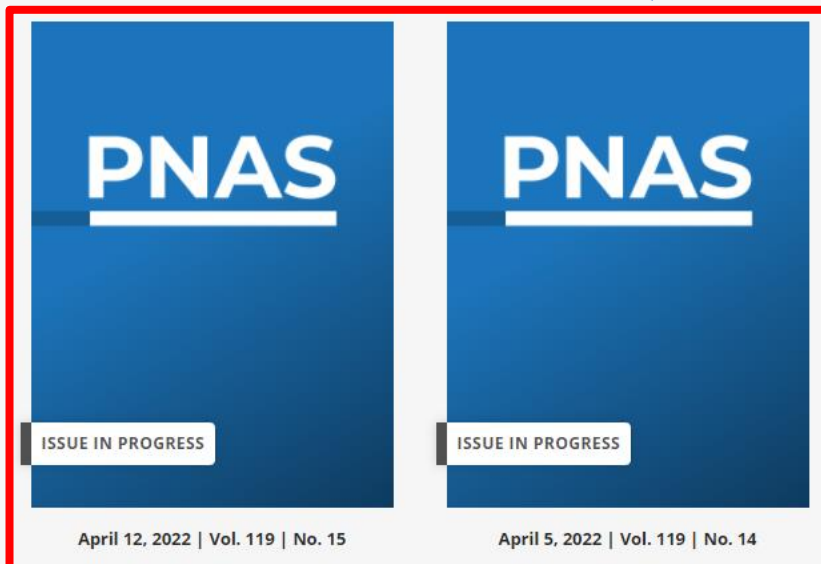
연도별 이슈 보기

2020s 2010s 2000s 1990s 1980s 1970s 1960s 1950s 1940s 1930s 1920s 1910s
2022 2021 2020

2022

다음 이슈 발행 정보

과거 이슈 발행 정보



• 원문 보기

PNAS A "more ammonium solution" to mitigate nitrogen pollution and boost crop yields

공유, 알람, 북마크, 인용, PDF 다운로드 제공

메인페이지 이동

아티클 유형, 토픽, OA 확인 및 SNS 공유가능

아티클 정보(저자, 출간일, DOI 정보 제공)

Shinwon | SUSTAINABILITY SCIENCE | FREE ACCESS

"more ammonium solution" to mitigate nitrogen pollution and boost crop yields

G. V. Subbarao and Timothy D. Searchinger | Authors info & Affiliations

May 26, 2021 | 118 (22) e2107576118 | <https://doi.org/10.1073/pnas.2107576118>

섹션별 이동 제공

PDF 원문 보기

저자 정보, Metrics, 열람 옵션, 레퍼런스, 시각자료, 공유 기능 미리보기 제공

PNAS
Vol. 118 | No. 22

- Enter Ammonium
- New Opportunities
- Overcoming Limitations
- Supporting Information
- Footnote
- References

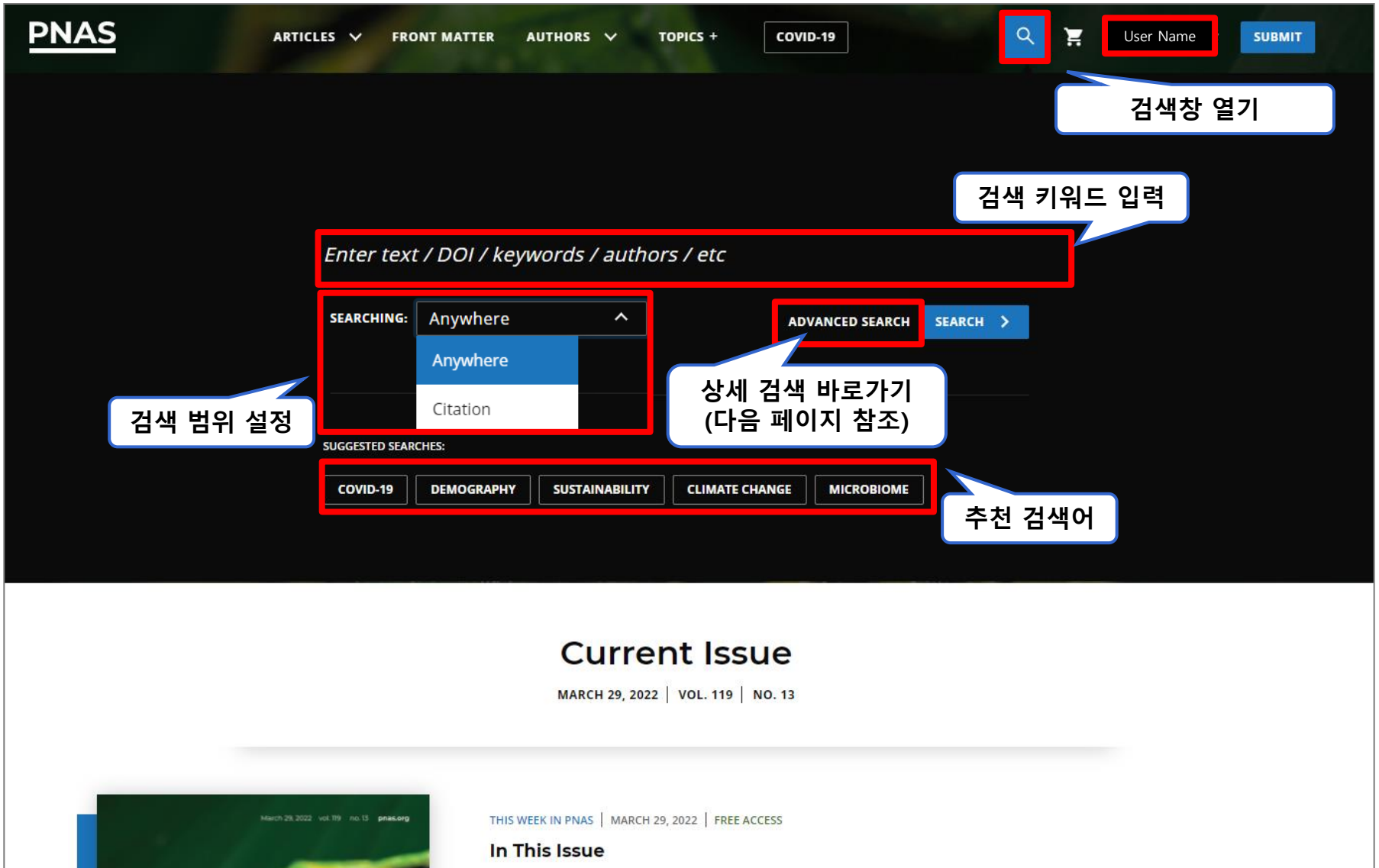
Two of the world's great agricultural challenges require bold new approaches and could share a solution. Nitrogen (N) pollution, affecting water, air, and the climate, presents one massive challenge. Ninety percent of increased reactive N originates as synthetic fertilizer applied to agricultural fields or N fixed in them (1). Because crops take up only 47% of the total applied N, more than half is lost to the environment. Despite some recent regional improvements in nitrogen use efficiency, global nitrogen use has not increased since 1980. Yet even if by 2050 the world increased nitrogen use by 50% increases in food production would maintain N losses at present, unacceptable levels (3).

Metrics & Citations

Media

3. Search PNAS

- Basic Search



The screenshot shows the PNAS search page with several key elements highlighted and annotated:

- Search Bar:** A search icon in the top right is highlighted with a red box and labeled "검색창 열기" (Open search bar).
- Search Input:** The main search input field is highlighted with a red box and labeled "검색 키워드 입력" (Enter search keywords).
- Search Scope:** A dropdown menu for search scope is highlighted with a red box and labeled "검색 범위 설정" (Set search scope). The menu shows "Anywhere" (selected), "Anywhere", and "Citation".
- Advanced Search:** The "ADVANCED SEARCH" button is highlighted with a red box and labeled "상세 검색 바로가기 (다음 페이지 참조)" (Direct link to detailed search (refer to next page)).
- Suggested Searches:** A row of suggested search topics is highlighted with a red box and labeled "추천 검색어" (Recommended search terms). The topics are COVID-19, DEMOGRAPHY, SUSTAINABILITY, CLIMATE CHANGE, and MICROBIOME.

Below the search section, the page displays "Current Issue" information: MARCH 29, 2022 | VOL. 119 | NO. 13. At the bottom, there is a section for "THIS WEEK IN PNAS | MARCH 29, 2022 | FREE ACCESS" and "In This Issue".

• Advanced Search

Advanced Search

상세검색/검색기록/저장된 검색

검색 관련 Tip

ADVANCED SEARCH SEARCH HISTORY SAVED SEARCHES

TYPE: All Content

KEYWORD: *e.g., Neuroscience* +

SEARCH OPTION, KEYWORD ADD

PUBLISHED IN: *e.g., Proceedings of the National Academy of Sciences, PNAS Nexus*

PUBLICATION DATE:

ALL DATES

YEAR

Select Year

RANGE

FROM: Select Year TO: Select Year

ADVANCED

CLEAR APPLY

전체 콘텐츠, 타이틀, 저자, 키워드, 초록, 기관 Type 선택 검색 가능

검색 품목, 출판일/연도/범위, 전체/OA/이용가능 콘텐츠 설정 검색 가능

Search Tips

BOOLEAN SEARCHES

You can use the Boolean Operators AND, OR, and NOT within search fields. By default, an AND relationship is assumed between search terms unless another operator is specified.

SEARCHING FOR AUTHORS

To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

SEARCHING FOR PHRASES

Enclose your search term with quotation marks to search for an exact match of that phrase. Without quotation marks, articles including all of the search terms somewhere in the article will be listed. For example, searching for "civil war" will find articles containing that exact phrase.

WILDCARDS

Use a question mark (?) in a search term to represent any one character and use an asterisk (*) to represent zero or more characters. For example, searching for Europe* will find results containing Europe and European. Wildcards cannot be used at the start of a search term or when searching for phrases in quotes.

DOIS

Search for DOIs using the format 10.1073/pnas.2025764118 (do not add https://doi.org/).

• Search Results

추가 검색 proteomics **검색 키워드, 재검색**

출판 기간, 저자, 출판 품목, 키워드, 토픽, 아티클타입 필터링 가능

3577 RESULTS FOR "PROTEOMICS" **SAVE SEARCH** **SORT BY RELEVANCE**

검색 결과, 검색 저장, RSS, 정렬기준 설정 아티클/블로그&팟캐스트/기타 유형별 검색결과 제공

북마크/초록/PDF보기/지원정보 보기

필터	값
PUBLICATION DATE	1999 - 2022
AUTHOR	Yates, John R III (21), Gygi, Steven P (20), Heck, Albert J R (20), Cravatt, Benjamin F (16), Eisenberg, David (16)
PUBLICATION	Proceedings of the National Academy of Sciences (3577)

Research Article | APPLIED BIOLOGICAL SCIENCES | OCTOBER 2008
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Large-scale proteomic methods are essential for the functional characterization of proteins in their native cellular context. However, proteomics has lagged far behind genomic approaches in scalability, standardization, and cost...
Panos Oikonomou, Roberto Salatino, Saeed Tavazoie

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