

---

# PNAS

(Proceedings of National Academy of Science)

이용 매뉴얼

2021.1.

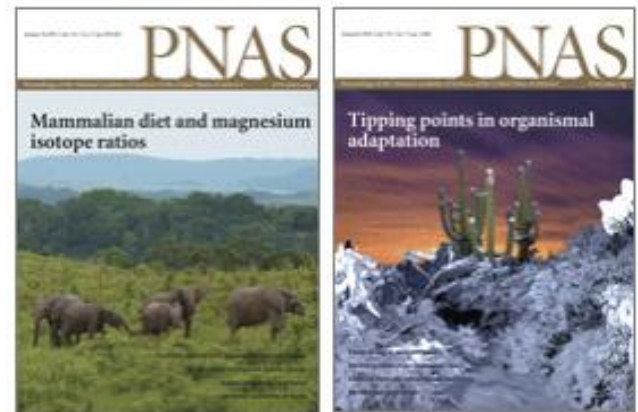
# Index

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



# 1. About PNAS

- ❑ **Publisher : National Academy of Science**
- ❑ **서비스 URL : <https://www.pnas.org>**
- ❑ **1914년부터 발간된 PNAS는 전세계적으로 인용도가 가장 높은 저널임 (2017 Impact Factor : 9.5)**
- ❑ **현재 약 60개 국가에서 구독 중이며, 120여개 이상의 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 Homepage (URL : <https://www.pnas.org>)

The screenshot shows the PNAS homepage with several key features highlighted by red boxes and callouts:

- Search Bar:** A search bar at the top right with the placeholder text "Keyword, Author, or DOI" and a magnifying glass icon. A callout bubble points to it with the text "기본검색 및 Advance Search 기능 제공" (Basic search and Advance Search function provided).
- Navigation Menu:** A horizontal menu with links for "Home", "Articles", "Front Matter", "News", "Podcasts", and "Authors".
- Research Categories:** A section titled "NEW RESEARCH IN" with three dropdown menus for "Physical Sciences", "Social Sciences", and "Biological Sciences". A callout bubble points to this section with the text "분야 별 Featured Portals, 주제 별 Article 브라우징 가능" (Browse Featured Portals by field, Article browsing by topic).
- Featured Article:** A large image of a forest with a callout bubble pointing to it with the text "분야 별 Featured Portals, 주제 별 Article 브라우징 가능" (Browse Featured Portals by field, Article browsing by topic).
- Current Issue:** A section for the "Current Issue" with a "Submit" button. A callout bubble points to it with the text "최근에 출판된 PNAS 저널의 목차 및 원문 제공" (Provide the table of contents and original text of the PNAS journal published recently).
- Newsletter Sign-up:** A section for signing up for the "PNAS Highlights" newsletter. A callout bubble points to it with the text "뉴스레터 구독 신청" (Newsletter subscription application).

PNAS Proceedings of the National Academy of Sciences of the United States of America

Keyword, Author, or DOI

Advanced Search

Home Articles Front Matter News Podcasts Authors

NEW RESEARCH IN Physical Sciences Social Sciences Biological Sciences

Findings relevant to the novel co... d learn more about our respons...

Latest in Sustainability Science: Increasing the number of forest trees can offset carbon emissions in the United States. Click to read more. Image credit: Grant M. Domke.

Hippocampal coding of time and space

Current Issue

Submit

Sign up for the PNAS *Highlights* newsletter to get in-depth stories of science sent to your inbox twice a month:

Enter Email Address Sign up

기본검색 및 Advance Search 기능 제공

분야 별 Featured Portals, 주제 별 Article 브라우징 가능

최근에 출판된 PNAS 저널의 목차 및 원문 제공

뉴스레터 구독 신청

## 2. Browse PNAS

- PANS Journals Access

The image shows the PNAS website homepage with several key features highlighted by red boxes and callouts:

- Search Bar:** A search bar at the top right with the placeholder text "Keyword, Author, or DOI" and a magnifying glass icon. A red box highlights this area, with a callout bubble containing the text "기본검색 및 Advance Search 기능 제공" (Basic search and Advance Search function provided).
- Navigation Menu:** A horizontal menu with options: Home, Articles, Front Matter, News, Podcasts, Authors. A red box highlights the "Articles" dropdown menu, which lists: Current, Special Feature Articles - Most Recent, Special Features, Colloquia, Collected Articles, PNAS Classics, and List of Issues. A callout bubble points to this menu with the text "최신 Issue 최신 Article Archive 접속 가능" (Latest Issue, Latest Article Archive, Accessible).
- Current Issue:** A section on the right side of the page featuring a cover image of the "Current Issue" titled "Hippocampal coding of time and space". A red box highlights this section, with a callout bubble containing the text "최근에 출판된 PNAS 저널의 목차 및 원문 제공" (Provide table of contents and full text of PNAS journal recently published).
- Newsletter Sign-up:** A sign-up form at the bottom right for the "PNAS Highlights" newsletter. It includes a text input field "Enter Email Address" and a blue "Sign up" button.

Other visible text on the page includes the PNAS logo, "Proceedings of the National Academy of Sciences of the United States of America", and a "This Week in PNAS" banner featuring a raccoon.

## 2. Browse PNAS

- PANS Current Issue (Articles 탭 Current 페이지)

The screenshot displays the PNAS website interface. At the top, a blue navigation bar contains tabs for Home, Articles, Front Matter, News, Podcasts, and Authors. Below this, a 'NEW RESEARCH IN' section features three dropdown menus for Physical Sciences, Social Sciences, and Biological Sciences. The main content area is titled 'Table of Contents' for the issue dated January 19, 2021, volume 118, number 3. A 'BROWSE PNAS ISSUES' section on the right includes filters for Decade (2020), Year (2021), and Issue (118 (3)), with a 'View Issue' button. Below this, the 'IN THIS ISSUE' section lists links for Table of Contents, Table of Contents (PDF), About the Cover, Masthead (PDF), and Order a Print Copy. A featured article, 'Opinion: Standardizing gene product nomenclature—a call to action', is highlighted with a red box. A search bar at the bottom right is labeled 'Search this issue'. Callouts in Korean provide additional context: '연도/이슈 조회 가능' (Year/Issue search possible) points to the filters; '원문 정보 확인 및 Full Text 이용 가능' (Check original information and Full Text available) points to the article title; '선택 이슈 내 검색' (Search within selected issue) points to the search bar; and '페이지 내 Contents 이동' (Move Contents within page) points to the 'JUMP TO' section.

Home Articles Front Matter News Podcasts Authors

NEW RESEARCH IN Physical Sciences Social Sciences Biological Sciences

### Table of Contents

January 19, 2021; vol. 118 no. 3

#### This Week in PNAS

This week's research highlights

**In This Issue**  
PNAS January 19, 2021 118 (3) eiti0221118; <https://doi.org/10.1073/iti0321118>

#### Opinion

Leading scientists discuss current issues

**Opinion: Standardizing gene product nomenclature—a call to action**  
FRONT MATTER  
Kenji Fujiyoshi, Elspeth A. Bruford, Pawel Mroz, Cynthe L. Sims, Timothy J. O'Leary, Anthony W. I. Lo, Neng Chen, Nimesh R. Patel, Song, Federico A. Monzon, Alexis B. Phung, Harriet Feilotter, Heather E. Williams, and Shuji Ogino  
PNAS January 19, 2021 118 (3) e2025207118; <https://doi.org/10.1073/pnas.2025207118>

#### BROWSE PNAS ISSUES

Decade	Year	Issue
2020	2021	118 (3)

View Issue

#### IN THIS ISSUE

- Table of Contents
- Table of Contents (PDF)
- About the Cover
- Masthead (PDF)
- Order a Print Copy

Search this issue

JUMP TO

연도/이슈 조회 가능

원문 정보 확인 및 Full Text 이용 가능

선택 이슈 내 검색

페이지 내 Contents 이동

## 2. Browse PNAS

- PANS Current & Archive Issues (Articles 탭 List of Issues 페이지)

The screenshot shows the PNAS website's archive page. At the top, there is a navigation bar with links for Home, Articles, Front Matter, News, Podcasts, and Authors. Below this, there are three dropdown menus for 'NEW RESEARCH IN' categories: Physical Sciences, Social Sciences, and Biological Sciences. The main heading is 'Archive of all online content January 1915 - February 2021'. There are several callout boxes with Korean text: 'Volume 별 브라우징 가능' (Browse by Volumes), '이슈 별 커버보기 가능' (Show Covers?), '1915년 이후 PNAS 전체 이슈 브라우징 가능' (Browse all PNAS issues after 1915), '가장 최근 Issue' (Most recent issue), and '가장 많이 읽힌, 인용 된 Article List' (Most read, cited article list). The page displays a list of issues for 2021, with February issues listed first, followed by January issues. On the right side, there is a 'Current Issue' button, a 'Submit' button, and a newsletter sign-up form. At the bottom right, there are buttons for 'Most Read' and 'Most Cited'.

Home Articles Front Matter News Podcasts Authors

NEW RESEARCH IN Physical Sciences Social Sciences Biological Sciences

Archive of all online content January 1915 - February 2021

Browse by Volumes

Volume 별 브라우징 가능

Show Covers? YES NO

이슈 별 커버보기 가능

1915년 이후 PNAS 전체 이슈 브라우징 가능

Current Issue로 이동

Current Issue

Submit

1990s 2000s 2010s 2020s 2020 2021

2021

February

February 09, 2021 : Vol. 118, Issue 6

February 02, 2021 : Vol. 118, Issue 5

January

January 26, 2021 : Vol. 118, Issue 4

January 19, 2021 : Vol. 118, Issue 3

January 12, 2021 : Vol. 118, Issue 2

January 05, 2021 : Vol. 118, Issue 1

가장 최근 Issue

가장 많이 읽힌, 인용 된 Article List

Sign up for the PNAS *Highlights* newsletter to get in-depth stories of science sent to your inbox twice a month:

Enter Email Address Sign up

SIGN UP FOR ARTICLE ALERTS

Enter Email Address Sign up

SUBMIT AN ARTICLE

Most Read Most Cited

## 2. Browse PNAS

### • 원문 보기

The screenshot displays the PNAS website interface. At the top, there is a navigation bar with links for Home, Articles, Front Matter, News, Podcasts, and Authors. Below this, there are dropdown menus for 'NEW RESEARCH IN' with categories: Physical Sciences, Social Sciences, and Biological Sciences. The main content area features a 'NEWS FEATURE' section with the title 'News Feature: Cannabis and the adolescent brain' by Helen Shen, dated January 7, 2020. The article URL is provided. Below the title, there are three tabs: 'Article', 'Figures & SI', and 'Info & Metrics'. A 'Check for updates' icon is visible. On the right side, there are options for 'Article Alerts', 'Email Article', 'Citation T...', and 'Request P...'. A 'Share' button shows 23 likes. A 'PDF 원문 보기' button is highlighted with a red box and a callout bubble. Below the article title, there is a 'JUMP TO SECTION' menu with options: Article, Revealing Rat Data, Cause and Effect Conundrum, Cognitive Clues, Clearing the Haze, References, Figures & SI, Info & Metrics, and PDF. A 'YOU MAY ALSO BE INTERESTED IN' section is highlighted with a red box, containing a 'Similar Articles' section with two article titles. A callout bubble points to the 'Article' tab, and another points to the 'JUMP TO SECTION' menu.

Home Articles Front Matter News Podcasts Authors

NEW RESEARCH IN Physical Sciences Social Sciences Biological Sciences

NEWS FEATURE

News Feature: Cannabis and the adolescent brain

Helen Shen

PNAS January 7, 2020 117 (1) 7-11; <https://doi.org/10.1073/pnas.1920325116>

Article Figures & SI Info & Metrics

PDF 원문 보기

Article Alerts Share (좋아요 23개)

Email Article Citation T Request P

관련/유사 Article 확인 및 페이지 이동 가능

원문 내용, 첨부 이미지, SI, 저자 및 원문 정보 확인 가능

해당 Article 페이지 내 Section 별 바로 가기 가능

JUMP TO SECTION

- Article
  - Revealing Rat Data
  - Cause and Effect Conundrum
  - Cognitive Clues
  - Clearing the Haze
  - References
- Figures & SI
- Info & Metrics
- PDF

YOU MAY ALSO BE INTERESTED IN

Similar Articles

- Cross-national evidence of a negativity bias in psychophysiological reactions to news
- Fighting misinformation on social media using crowdsourced judgments of news source quality



# 3. Search PNAS

- Basic Search

The screenshot shows the PNAS search results page for the term "proteomics". The search bar contains the text "검색 값 입력 예시 : proteomics" (Search value input example: proteomics). The results are sorted by "Best Match" and show 4,226 results. A "Publication date" filter is visible, showing counts for various years: 2021 (21), 2017-2020 (1,287), 2012-2016 (1,437), 2007-2011 (1,004), and 1982-2006 (477). Two search results are highlighted with red boxes. The first result is "In vivo mRNA display enables large-scale proteomics by next generation sequencing" by Panos Oikonomou, Roberto Salatino, and Saeed Tavazoie. The second result is "Distinct hypertrophic cardiomyopathy genotypes result in convergent sarcomeric proteoform profiles revealed by top-down proteomics" by Trisha Tucholski, Wenxuan Cai, Zachery R. Gregorich, Elizabeth F. Bayne, Stanford D. Mitchell, Sean J. McIlwain, Willem J. de Lange, Max Wröbel, Hannah Karp, Zachary Hite, Petr G. Vikhorev, Steven B. Marston, Sean Lal, Amy Li, Cristobal dos Remedios, Takushi Kohmoto, Joshua Hermsen, J. Carter Ralph, Timothy J. Kamp, Richard L. Moss, and Ying Ge.

Annotations in Korean:

- 검색 값 입력 예시 : proteomics (Search value input example: proteomics)
- for term "proteomics" (for term "proteomics")
- 검색 결과 보기 방법 선택 (Search result viewing method selection)
- 출판 시기 별 분류 가능 (Classification possible by publication date)
- Publication date (Publication date)
- 검색 결과 (Search result)

### 3. Search PNAS

- Advanced Search

The header of the PNAS website features the logo on the left and a search bar on the right containing the text "Keyword, Author, or DOI". A red box highlights the "Advanced Search" link next to the search bar. Below the search bar is a navigation menu with links for "Home", "Articles", "Front Matter", "News", "Podcasts", and "Authors". A callout box with a white background and blue border points to the "Advanced Search" link, containing the text "Advance Search 기능".

NEW RESEARCH IN

Physical Sciences

Social Sciences

Biological Sciences

PNAS commits to immediately and freely sharing research data and findings relevant to the novel coronavirus (COVID-19) outbreak. See the free collection of PNAS coronavirus papers and learn more about our response to COVID-19.

A photograph of a forest with tall, thin trees and green foliage in the foreground. A dark text box at the bottom contains the following text: "Latest in Sustainability Science: Increasing the number of forest trees can offset carbon emissions in the United States. Click to read more. Image credit: Grant M. Domke." Below the text box are four small circles, with the rightmost one highlighted in blue.



Current Issue

Submit

Sign up for the PNAS *Highlights* newsletter to get in-depth stories of science sent to your inbox twice a month:

Enter Email Address

Sign up

# 3. Search PNAS

- Advanced Search

The screenshot shows the PNAS website's navigation bar with links for Home, Articles, Front Matter, News, Podcasts, and Authors. Below the navigation bar, there are three dropdown menus for 'NEW RESEARCH IN' categories: Physical Sciences, Social Sciences, and Biological Sciences. The main content area is titled 'Advanced Search' and contains a search form with a 'Search Term' input field. A red box highlights the search form area, and a blue callout bubble points to it with the text '▶ 각 항목 선택 시 세부 내용 보기 가능'. Below the search form, there are five expandable sections: Citation, Authors, Keywords, Limit Results, and Format Results. A blue callout bubble points to these sections with a list of search criteria: Search Term (keyword search), Citation (year, volume, issue, first page, DOI search), Authors, Keywords (author, title, abstract/title/full-text/bibliography keyword search), Limit Results (search period, collection, subject search), and Format Results (search result sorting options, classification criteria, and format selection). At the bottom left, there is a blue 'Submit' button. To the right of the search form, there is a 'CURRENT ISSUE' section featuring a cover image of PNAS and a list of links: Table of Contents, Table of Contents (PDF), About the Cover, Masthead (PDF), and Order a Print Copy.