

# Tutorial: Nature Research

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Presentación Institucional del Departamento de Documentación y Biblioteca

Realización: Sección Información



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# nature

Este tutorial orienta en el uso de las herramientas de búsqueda disponibles en la plataforma Nature Research, que ofrece una colección de revistas de investigación multidisciplinarias y de revisión en las áreas de las Ciencias físicas, Ciencias de la vida, Ciencias de la Salud, Ciencias Sociales, Humanidades. Incluye:

- Revista Nature: revista semanal internacional de ciencia publicada por primera vez en 1869.
- 32 revistas de investigación originales de la marca Nature, publicadas mensualmente, reseñas, comentarios críticos y análisis, en las áreas ciencias de la vida, físicas, clínicas y sociales.
- 20 títulos de Nature Reviews publicados mensualmente, con revisiones acreditadas y gráficos de alta calidad y contenido que proporcionan contexto y conexión independientemente de la disciplina.

El acceso incluye artículos publicados desde 2020 hasta la fecha.

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The US government has begun slashing US\$400 million in research grants at Columbia University over pro-Palestinian campus protests.



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Últimas notas de prensa



#### Man survives with titanium heart for 100 days – a world first

The device, to be tested in more people, could be used as a temporary measure for those waiting for a donor organ.

Smriti Mallapaty

News | 13 Mar 2025

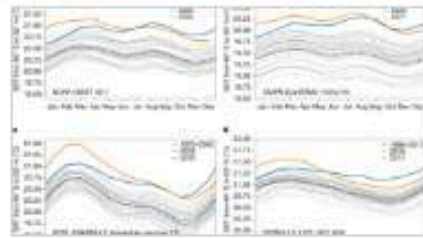


#### Don't wait out four hard years: speak truth to power

The importance of diversity in science is an unshakeable reality that the scientific community must stand by.

Arthur Caplan

World View | 17 Mar 2025



#### Record sea surface temperature jump in 2023–2024 unlikely but not unexpected

Observations and climate models suggest that the global sea surface temperature jump in 2023–2024 was not unexpected and would have been nearly impossible without anthropogenic warming.

Jens Terhaar, Friedrich A. Burger ... Thomas F. Stocker

Article | Open Access | 12 Mar 2025



#### Daily briefing: Should the Stanford Prison Experiment be retracted?

Leopard-spotted rocks are 'an intriguing signal' of microbial life on Mars. Plus, should the infamous Stanford Prison Experiment be retracted more than 50 years on?

Jacob Smith

Nature Briefing | 13 Mar 2025



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Current Issue | 13 Mar 2025

Al hacer clic en la portada ingresarás directamente en el número actual de Nature

En la página de inicio se puede hacer búsquedas sencillas con palabras claves en *Search*, que aparece en todas las páginas, o hacer clic en *Advanced search* para un tema más específico.



The screenshot shows the Nature journal homepage. At the top left is the 'nature' logo. To the right are links for 'View all journals', a search bar with a magnifying glass icon and the text 'Search', and a 'log in' link. Below the logo is a search bar with the text 'Search articles by subject, keyword or author'. The search bar contains a cursor and is highlighted with a blue box. To the right of the search bar is a dropdown menu set to 'All journals' and a 'Search' button. Below the search bar is a link for 'Advanced search'. Underneath is a 'Quick links' section with links for 'Explore articles by subject', 'Find a job', 'Guide to authors', and 'Editorial policies'. The main content area features a large image of a university plaza. Below this are five article highlights: 1. 'Man survives with titanium heart for 100 days - a world first' by Smriti Mallapaty, dated 13 Mar 2025. 2. 'Don't wait out four hard years: speak truth to power' by Arthur Caplan, dated 17 Mar 2025. 3. 'Record sea surface temperature jump in 2023-2024 unlikely but not unexpected' by Jens Terhaar, Friedrich A. Burger, and Thomas F. Stocker, dated 12 Mar 2025. 4. 'Daily briefing: Should the Stanford Prison Experiment be retracted?' by Jacob Smith, dated 13 Mar 2025. 5. 'Current Issue' dated 13 Mar 2025, with 'Contents' and 'Subscribe' buttons.

En *Advanced search* se puede buscar por autor, tema, palabra clave, año o nombre de la publicación.

nature portfolio

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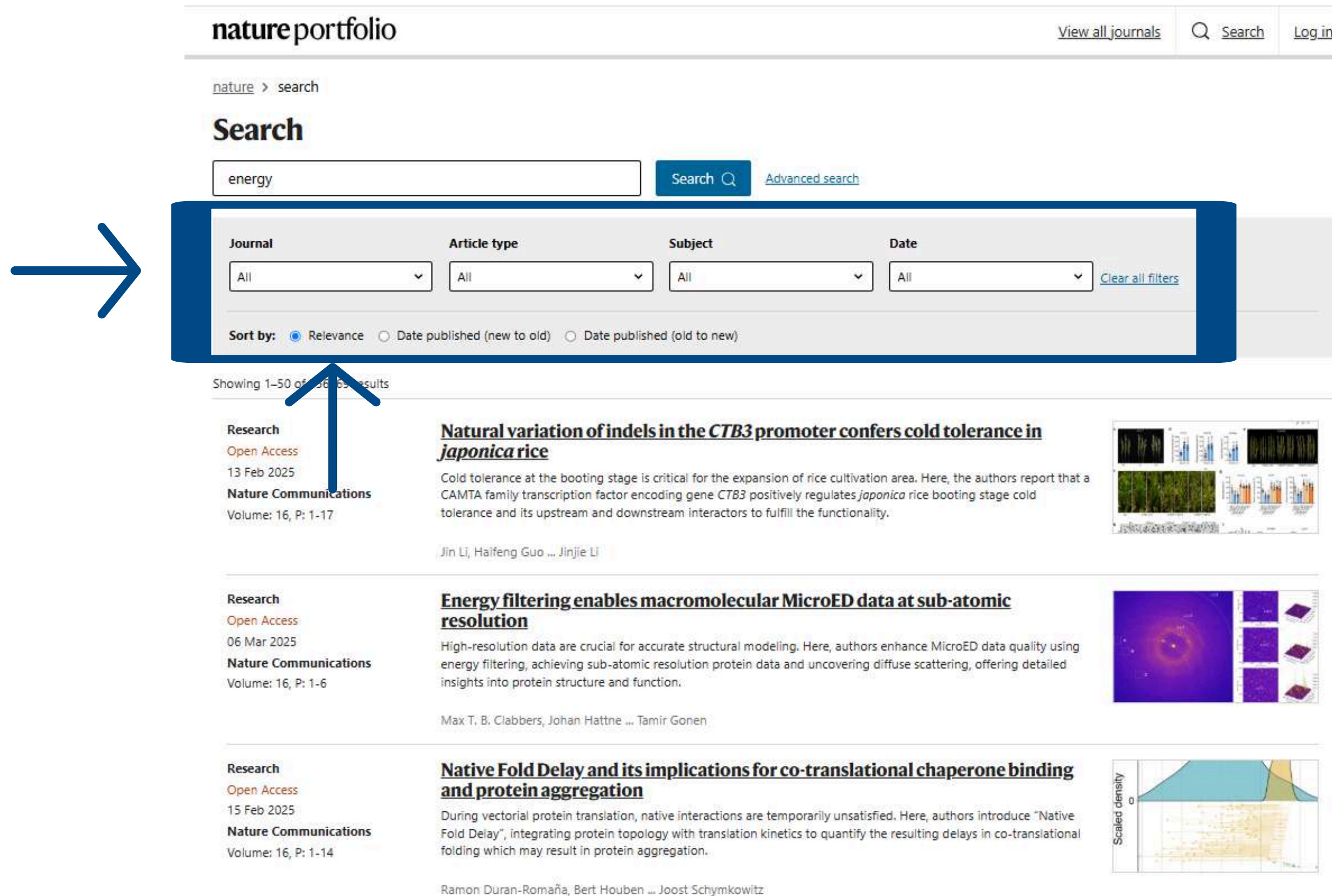
Start typing the name of a **journal**

**volume**

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Search 

Los resultados se pueden filtrar por publicación, contenido, fecha o relevancia.



The screenshot displays the Nature Portfolio search interface. At the top, the 'nature portfolio' logo is on the left, and 'View all journals', 'Search', and 'Log in' are on the right. Below the logo, the breadcrumb 'nature > search' is shown. The main search area features a search bar with the text 'energy', a 'Search' button, and a link to 'Advanced search'. A large blue arrow points to a filter bar containing four dropdown menus: 'Journal' (set to 'All'), 'Article type' (set to 'All'), 'Subject' (set to 'All'), and 'Date' (set to 'All'). A 'Clear all filters' link is positioned to the right of these menus. Below the filter bar, the 'Sort by' options are: 'Relevance' (selected), 'Date published (new to old)', and 'Date published (old to new)'. The search results section shows 'Showing 1-50 of 3665 results'. Three results are visible, each with a metadata block on the left and a title/abstract block on the right. The first result is 'Natural variation of indels in the CTB3 promoter confers cold tolerance in japonica rice' by Jin Li, Haifeng Guo, and Jinjie Li. The second is 'Energy filtering enables macromolecular MicroED data at sub-atomic resolution' by Max T. B. Clabbers, Johan Hattne, and Tamir Gonen. The third is 'Native Fold Delay and its implications for co-translational chaperone binding and protein aggregation' by Ramon Duran-Romaña, Bert Houben, and Joost Schymkowitz. Each result includes a thumbnail image and a 'Research' label with 'Open Access' and the date.

**Journal** All **Article type** All **Subject** All **Date** All [Clear all filters](#)

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13 Feb 2025  
**Nature Communications**  
Volume: 16, P: 1-17

**Natural variation of indels in the *CTB3* promoter confers cold tolerance in japonica rice**  
Cold tolerance at the booting stage is critical for the expansion of rice cultivation area. Here, the authors report that a CAMTA family transcription factor encoding gene *CTB3* positively regulates japonica rice booting stage cold tolerance and its upstream and downstream interactors to fulfill the functionality.  
Jin Li, Haifeng Guo ... Jinjie Li

**Research**  
Open Access  
06 Mar 2025  
**Nature Communications**  
Volume: 16, P: 1-6

**Energy filtering enables macromolecular MicroED data at sub-atomic resolution**  
High-resolution data are crucial for accurate structural modeling. Here, authors enhance MicroED data quality using energy filtering, achieving sub-atomic resolution protein data and uncovering diffuse scattering, offering detailed insights into protein structure and function.  
Max T. B. Clabbers, Johan Hattne ... Tamir Gonen

**Research**  
Open Access  
15 Feb 2025  
**Nature Communications**  
Volume: 16, P: 1-14

**Native Fold Delay and its implications for co-translational chaperone binding and protein aggregation**  
During vectorial protein translation, native interactions are temporarily unsatisfied. Here, authors introduce "Native Fold Delay", integrating protein topology with translation kinetics to quantify the resulting delays in co-translational folding which may result in protein aggregation.  
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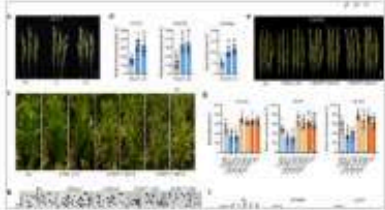
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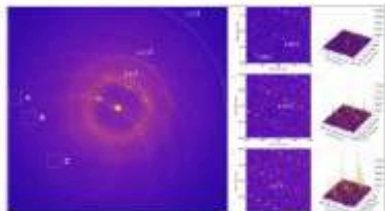


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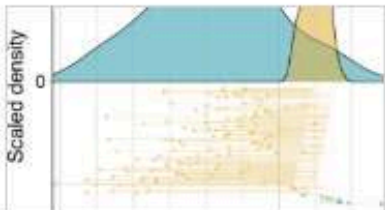


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## Natural variation of *OsWRKY23* drives difference in nitrate use efficiency between *indica* and *japonica* rice

[Siyu Zhang](#), [Zhe Ji](#), [Wu Jiao](#), [Chengbo Shen](#), [Yaojun Qin](#), [Yunzhi Huang](#), [Menghan Huang](#), [Shuming Kang](#), [Xuan Liu](#), [Shunqi Li](#), [Zulong Mo](#), [Ying Yu](#), [Bingyu Jiang](#), [Yanan Tian](#), [Longfei Wang](#), [Qingxin Song](#), [Shaokui Wang](#) & [Shan Li](#) ✉

*Nature Communications* **16**, Article number: 1420 (2025) | [Cite this article](#)

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### Abstract

Between the two major rice subspecies, *indica* varieties generally exhibit higher nitrate (NO<sub>3</sub><sup>-</sup>) uptake and nitrogen (N)-use efficiency (NUE) than *japonica* varieties. Introducing efficient NO<sub>3</sub><sup>-</sup> utilization alleles from *indica* into *japonica* could improve NUE, and at the same time uncover unknown regulators of NO<sub>3</sub><sup>-</sup> metabolism. Here, we identify *OsWRKY23* as a key regulator of NO<sub>3</sub><sup>-</sup> uptake and NUE differences between *indica* and *japonica* rice. The *OsWRKY23<sup>indica</sup>* allele exhibits reduced transcriptional activation of a negative regulator of auxin accumulation, *DULL NITROGEN RESPONSE1 (DNRI)*. The resultant increase in auxin level improves NO<sub>3</sub><sup>-</sup> uptake and assimilation, which ultimately enhances grain yield. Geographical and evolutionary analyses reveal overlapping distribution of *OsWRKY23<sup>indica</sup>* and *DNRI<sup>indica</sup>*, particularly in low-fertility soils, suggesting their involvement in the adaptation to low N conditions to improve NUE and grain yield. Incorporating the *OsWRKY23-DNRI* module from *indica* rice represents a promising strategy to enhance *japonica* NUE, which is crucial for sustainable agriculture.

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Sections

Figures

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