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9 Journals

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Encuentra el recurso que buscas

**En la sección  
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editorial, buscar  
IOP**

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ÍNDICE DE CITAS

BUSCAR

de revistas

### Acceso Abierto

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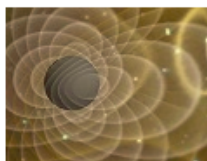
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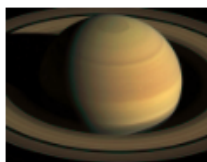
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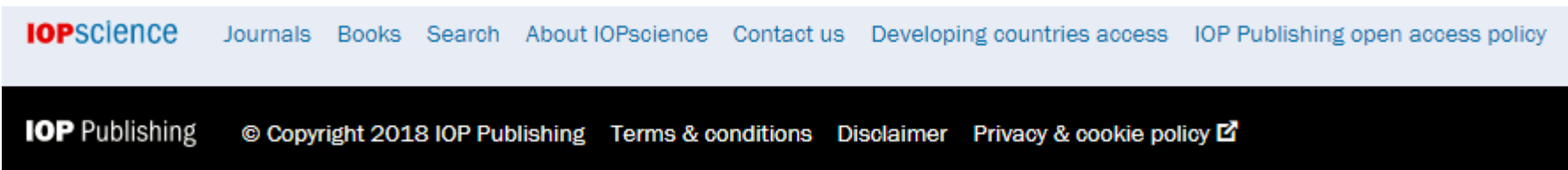
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**Continúa**

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En la parte inferior de la página está disponible un menú donde encontrará ligas directas a la página de inicio, Revistas, Libros, Búsqueda, Acerca de IOPscience, Contacto, Acceso para países en desarrollo y Política de Acceso Abierto



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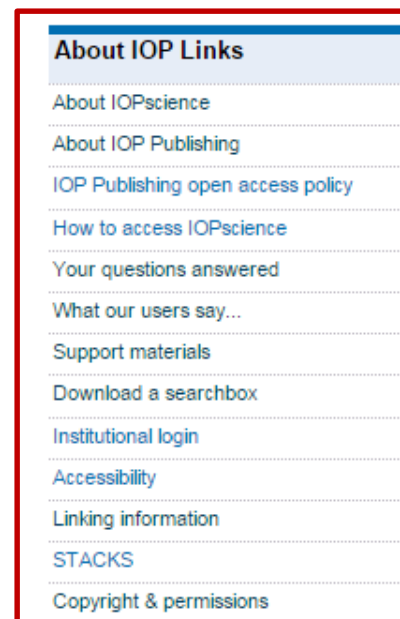
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Item	Description
<b>Journals list</b>	Browse more than 70 science journal titles
<b>IOPselect</b>	Articles from the past year selected by our editors
<b>Review articles</b>	The latest review articles from our journals
<b>Subject collections</b>	Read the very best research published in IOP journals
<b>Publishing partners</b>	Partner organisations and publications
<b>IOP Conference Series</b>	Read open access proceedings from science conferences worldwide
<b>IOPcorporate</b>	IOP for R&D Science fueling innovation
<b>Open access</b>	IOP Publishing open access policy guide

**Al dar clic en Journals, encontrará los siguientes menús:**

- **Lista de revistas**
- **IOPselect (selección de artículos destacados)**
- **Artículos de revisión**
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# Journal List



Al dar clic en **Journal List** verá todas las revistas publicadas por IOP y socios editoriales. Los títulos se muestran en orden alfabético

## Títulos por socio editorial

Journals

Current titles Publishing partners Archive titles

Archivo, títulos por año

Títulos actuales

All 0-9 A B C D E F G H I J K L M N O P Q R S T U V

**0-9**

2D Materials

**A**

Advances in Natural Sciences: Nanoscience and Nanotechnology

Applied Physics Express

The Astronomical Journal

The Astrophysical Journal

The Astrophysical Journal Letters

The Astrophysical Journal Supplement Series

**B**

Biofabrication

**L**

Laser Physics

Laser Physics Letters

**M**

Materials Research Express

Measurement Science and Technology

Methods and Applications in Fluorescence

Metrologia

Modelling and Simulation in Materials Science Engineering

**N**

Nano Futures

Nota: Los títulos que se van agregando a la colección, deben ser negociados por separado según condiciones de licencia



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### Journals

Current titles
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All
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**A**

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**American Astronomical Society** [↗](#)

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Research Notes of the AAS

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The Astrophysical Journal

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Publications of the Astronomical Society of the Pacific

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IOP Expanding Physics

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Inverse Problems

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Journal of Breath Research

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Journal of Micromechanics and Microengineering

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Journal of Neural Engineering

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Journal of Optics

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Journal of Physics A: Mathematical and Theoretical

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Journal of Physics: Condensed Matter



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[Cavity-enhanced ultrafast two-dimensional spectroscopy using higher order modes](#)

Thomas K Allison

2017 *J. Phys. B: At. Mol. Opt. Phys.* **50** 044004

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[Assessing the amorphousness and periodicity of common domain boundaries in silica bilayers on Ru\(0 0 1\)](#)

Kristen M Burson, Christin Büchner, Markus Heyde and Hans-Joachim Freund

2017 *J. Phys.: Condens. Matter* **29** 035002

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#### [Micro- and nanofabrication methods for ion channel reconstitution in bilayer lipid membranes](#)

Daisuke Tadaki, Daichi Yamaura, Kohei Arata, Takeshi Ohori, Teng Ma, Hideaki Yamamoto, Michio Niwano and Ayumi Hirano-Iwata  
2018 *Jpn. J. Appl. Phys.* **57** 03EA01

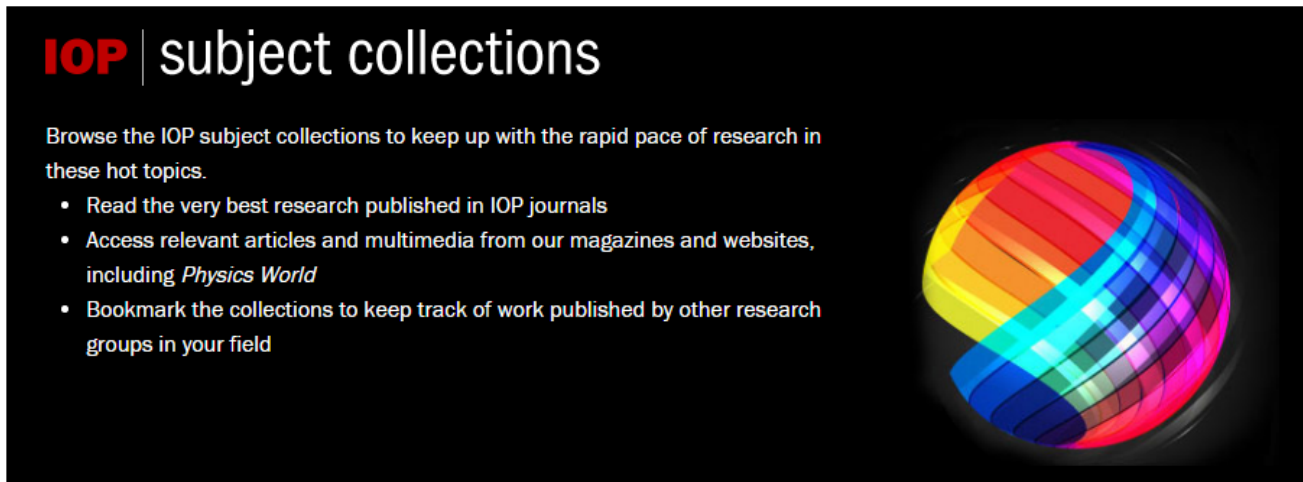
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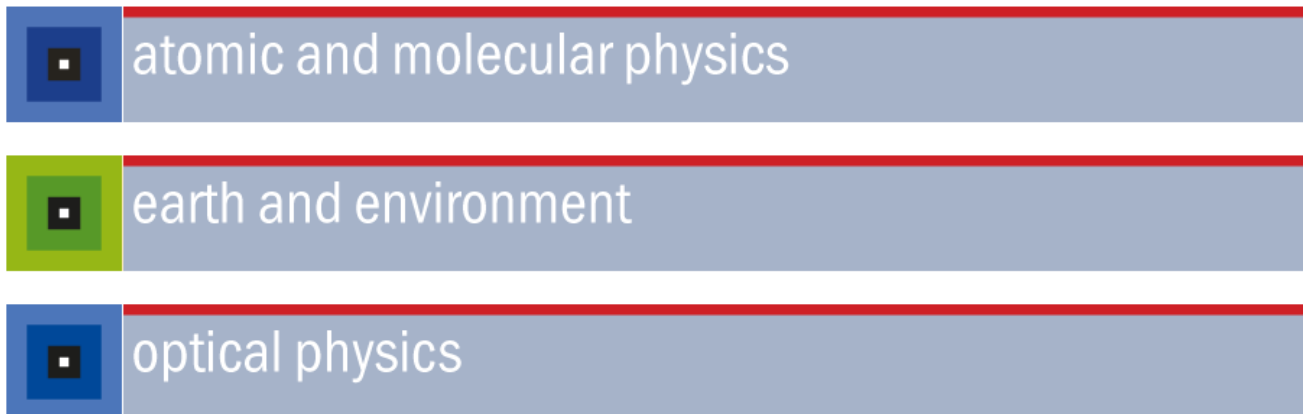


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**Authors** S C Chen, J Y Wu, C Y Lin and M F Lin

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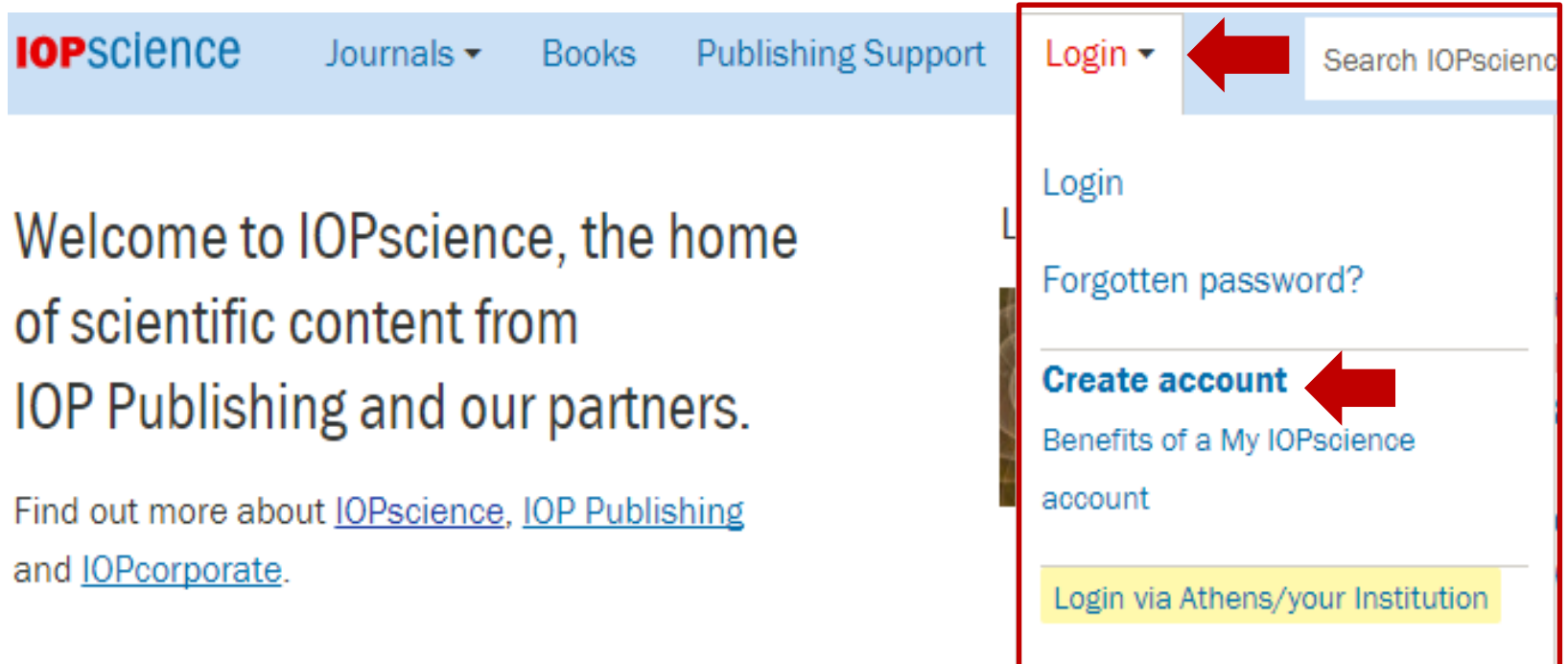
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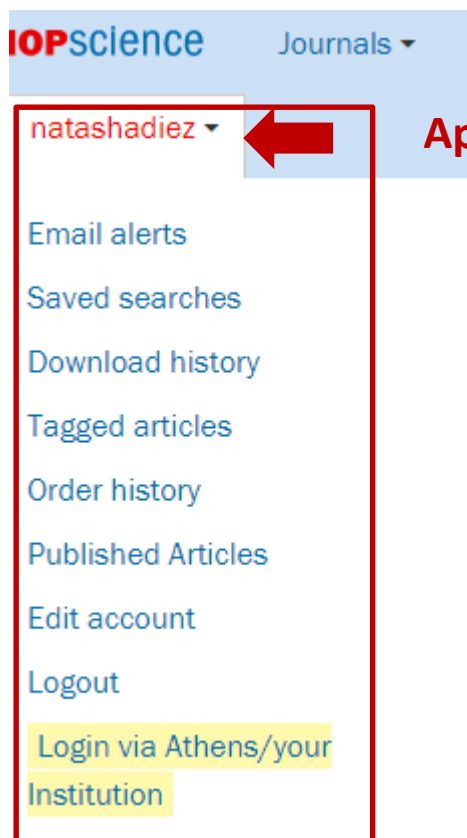


The screenshot shows the IOPscience website interface. At the top, there is a navigation bar with the IOPscience logo and links for Journals, Books, and Publishing Support. A search bar is located on the right side of the navigation bar. Below the navigation bar, the main content area displays a welcome message: "Welcome to IOPscience, the home of scientific content from IOP Publishing and our partners." Below this message, there are links to "IOPscience", "IOP Publishing", and "IOPcorporate". On the right side of the page, a dropdown menu is open under the "Login" link. The menu items are "Login", "Forgotten password?", "Create account", "Benefits of a My IOPscience account", and "Login via Athens/your Institution". A red arrow points to the "Create account" link, which is highlighted in blue.

De clic en Login y después en Create an account para crear una cuenta y llenar el formato con los datos requeridos

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- **Búsquedas guardadas**
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- **Artículos etiquetados**
- **Historial de ordenes** (en caso de que la institución no cuente con suscripción y se compre el artículo)
- **Artículos Publicados**
- **Editar cuenta**
- **Salir**
- **Acceso institucional vía Athens** (en caso de que su institución cuente con él)

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# Página individual de cada revista

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Deutsche Physikalische Gesellschaft DPG IOP Institute of Physics



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[December 2017 \(122001-125016\)](#)

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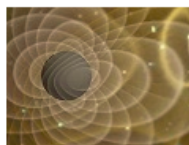
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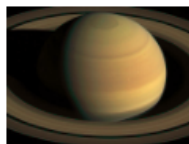
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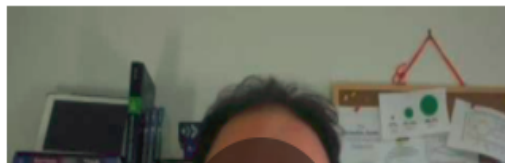
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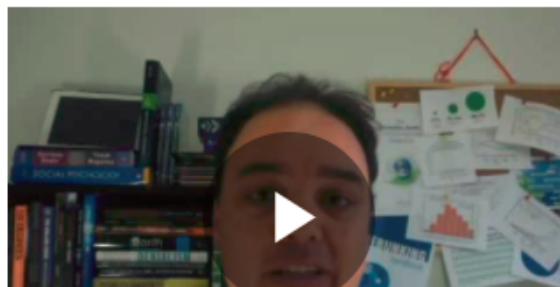
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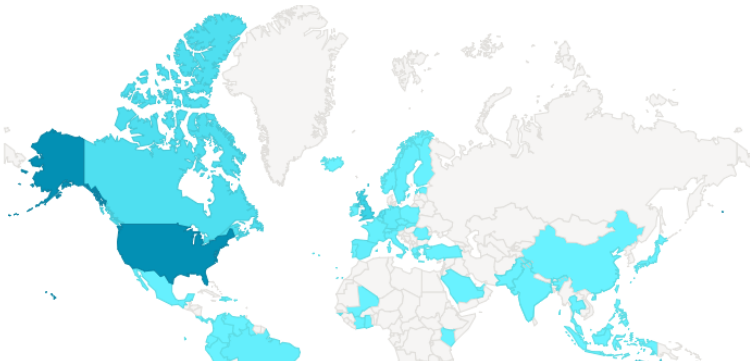
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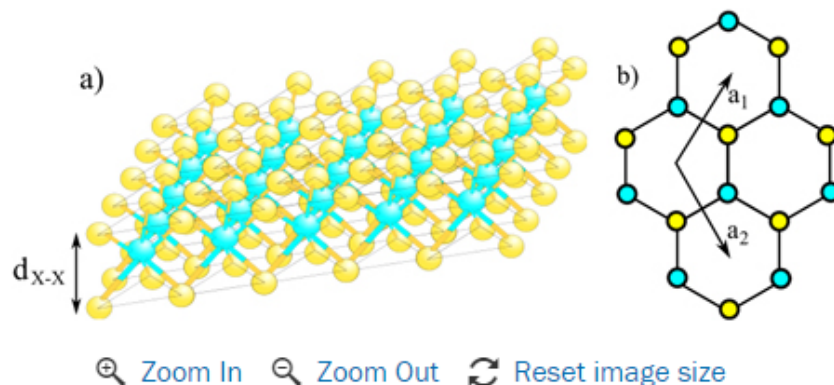
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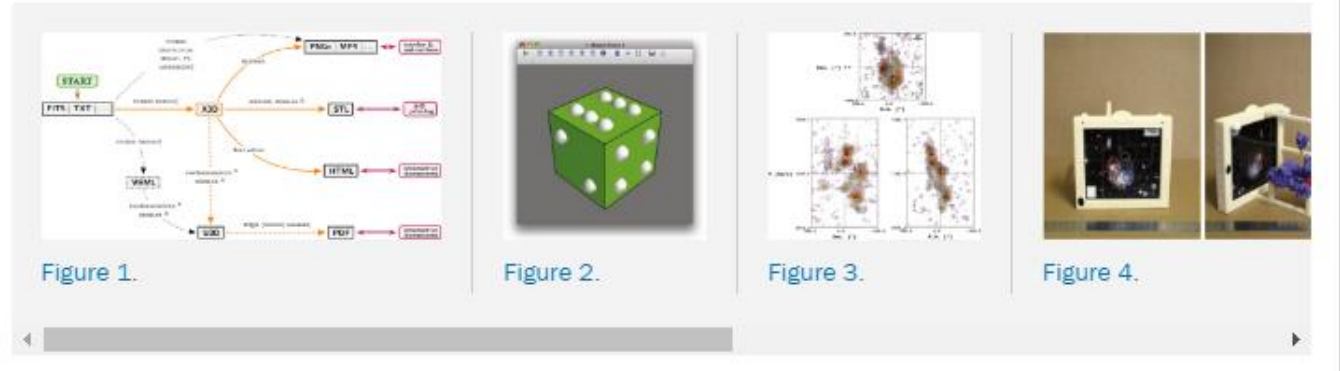
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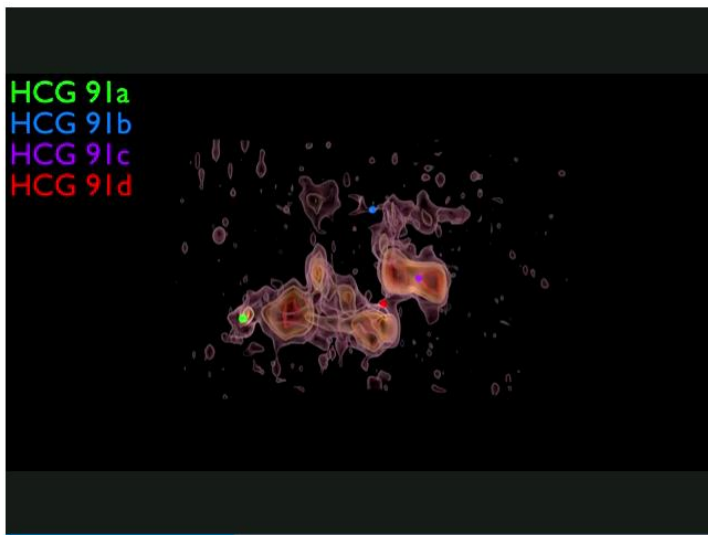
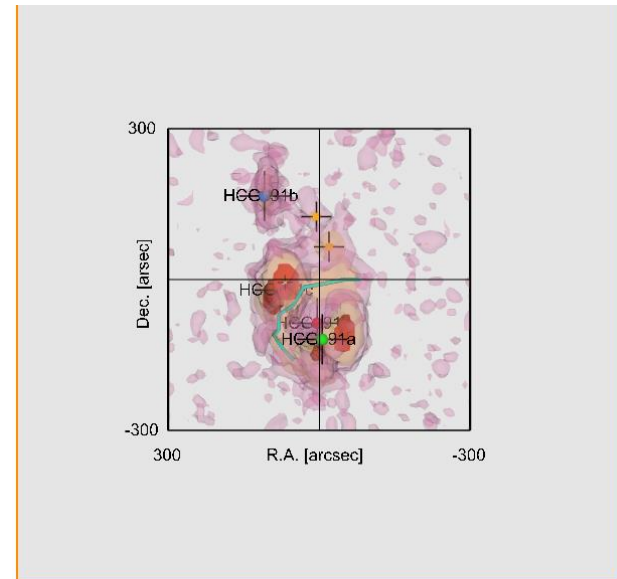


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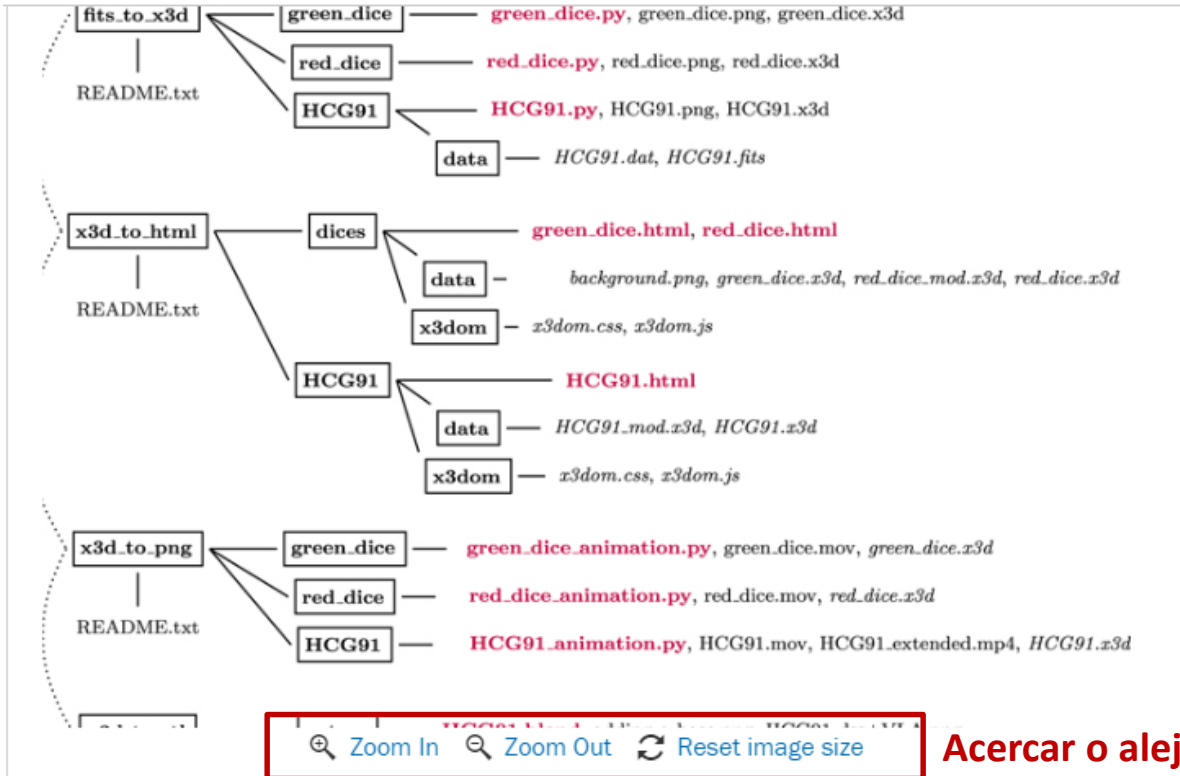


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as the non-interacting parts of the carrier–photon system, where  $a_{\lambda,i}^\dagger$  and  $a_{\lambda,i}$  are the creation and annihilation operators for electronic states, respectively. The corresponding operators for the photon, with a general mode index  $Q$  and energy  $\hbar\omega_Q$ , are  $B_Q^\dagger$  and  $B_Q$ . The carrier–carrier interaction is given by the Coulomb term

$$H_C = \sum_{\lambda,\lambda'} \sum_{i,j,k,l} V_{i,j;k,l}^{\lambda,\lambda'} a_{\lambda,i}^\dagger a_{\lambda',j}^\dagger a_{\lambda',k} a_{\lambda,l} \quad (2)$$

and the light–matter interaction is given by the dipole Hamiltonian

$$H_D = - \sum_{\lambda} \sum_{Q,i,j} [F_{\lambda;i,j}^Q B_Q + (F_{\lambda;j,i}^Q)^* B_Q^\dagger] a_{\lambda,i}^\dagger a_{\lambda,j} \quad (3)$$

The interaction-matrix elements in these are

$$V_{i,j;k,l}^{\lambda,\lambda'} = \frac{e^2}{4\pi\epsilon} \int d^3r d^3r' \frac{\xi_{\lambda,i}^*(\mathbf{r}) \xi_{\lambda',j}^*(\mathbf{r}') \xi_{\lambda',k}(\mathbf{r}') \xi_{\lambda,l}(\mathbf{r})}{|\mathbf{r} - \mathbf{r}'|}, \quad (4)$$

$$F_{\lambda;i,j}^Q = i\epsilon_Q \mathbf{d}_{i,j}^{\lambda,\bar{\lambda}} \cdot \int d^3r \xi_{\lambda,i}^*(\mathbf{r}) \mathbf{u}_Q(\mathbf{r}) \xi_{\bar{\lambda},j}(\mathbf{r}), \quad (5)$$

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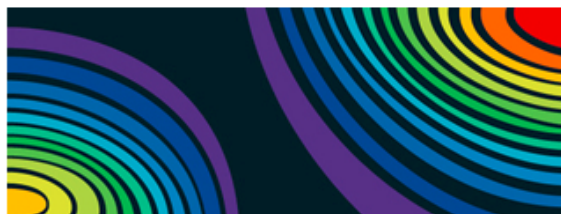
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**Noticias de la semana**  
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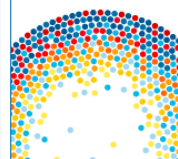



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