

IOPscience

Guía del Usuario

iopscience.org

Descubra más cosas...

Disfrute de la navegación por IOPscience, descubriendo contenidos y hallando maneras nuevas de gestionar su investigación.

¡Comencemos!

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 gamma quark-gluon metal
 carbon laser spinors catalyts black
 energy hole quantum laser plasma

Take a closer look

Our online tour is designed to show you the many benefits of using IOPscience.
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 IOPscience now offers a quick and easy way to search IOPscience content from your own website. For more details, visit our searchbox page.

View by Subject
 All Subjects
 All Dates
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Find Content
 Select a Journal
 Vol/Year:
 Issue/Month:
 Page/Article #:
 Go

Latest Articles Most read Most cited Latest news

Shell-model calculations in ^{132}Sn and ^{130}Pb regions with low-momentum interactions
 A Gargano et al 2009 *J. Phys.: Conf. Ser.* **168** 012013 Tag this article

Nuclear matter and nuclear dynamics
 M Colonna 2009 *J. Phys.: Conf. Ser.* **168** 012006 Tag this article

Effective nucleon-nucleon interaction and low-lying nuclear magnetic states
 C Maleron et al 2009 *J. Phys.: Conf. Ser.* **168** 012018 Tag this article

Light-front projections of the Bethe-Salpeter amplitude and the 4D electromagnetic current for an interacting two-fermion system
 T Frederico et al 2009 *J. Phys.: Conf. Ser.* **168** 012002 Tag this article

Spatial dependence of the pairing field calculated with bare and induced interactions
 A Pastore et al 2009 *J. Phys.: Conf. Ser.* **168** 012015 Tag this article

Your last 10 viewed Your last 10 searches

1. The influence of surface functionalization on the enhanced internalization of magnetic nanoparticles in cancer cells
 Angeles Villanueva et al 2009 *Nanotechnology* **20** 115103

Búsqueda rápida

Se trata de una búsqueda por campos desde la página de inicio o la parte superior derecha de todas las páginas. Como valor predeterminado, la búsqueda se efectúa por todos los campos, pero puede Ud. estrecharla a una exploración por título / resumen, autor, afiliación y/o texto completo, así como por intervalos de fechas.

Buscar contenidos

Localice un artículo específico de forma rápida y sencilla, usando el buscador de contenidos. Puede Ud. limitar su búsqueda al título, volumen y número de edición de una revista específica.

Artículos más populares

En esta zona, se destacan los artículos con un mayor número de citas en los últimos dos años, así como los artículos más leídos y descargados en los últimos treinta días.

Etiquetas de artículos

Navegue, directamente desde la página de inicio, hasta los artículos de investigación que coincidan con sus etiquetas.

Campo de búsqueda

Puede Ud. crear un filtro previo para su búsqueda, seleccionando el título / resumen, autor, afiliación, texto completo y códigos PACS / MSC. Además, puede gestionar su búsqueda por intervalo de fechas, asunto y revista.

Uso de los códigos PACS o MSC

Si conoce los códigos PACS o MSC, puede introducirlos en el cuadro de búsqueda o escribir el término a buscar, a fin de encontrar los códigos relacionados.

Para averiguar más cosas acerca de los códigos PACS y MSC, visite www.aip.org/pacs y www.ams.org/msc.

The screenshot displays the IOPscience search interface. At the top, there are navigation links: Welcome iopsciencecentral, Edit account, Logout, and Athens/Institutional login. The IOPscience logo is prominently displayed. Below the logo, there are tabs for Home, Search, Collections, Journals, About, Contact us, and My IOPscience. On the right side, there are links for Authors and Referees. The main search area includes a search bar with a 'Quick Search' button. Below the search bar, there are filters for 'All Fields' and 'All Dates'. The search results section shows '123456 IOPscience results'. On the left, there are two columns of filters: 'Subjects' and 'Journals', each with a 'Check All' button and a list of checkboxes. The 'Subjects' list includes categories like Accelerators, beams and electromagnetism, Astrophysics and astroparticles, Atomic and molecular physics, Biological physics, Chemical physics and physical chemistry, Computational physics, Condensed matter: electrical, magnetic and optical, Condensed matter: structural, mechanical & thermal, Education and communication, Electronics and devices, Environmental and Earth science, Fluid dynamics, Gravitation and cosmology, Instrumentation and measurement, Mathematical physics, Medical physics, Nanoscale science and low-D systems, Nuclear physics, Optics, quantum optics and lasers, and Particle physics and field theory. The 'Journals' list includes categories like Biotfabrication, Bioinspiration & Biomimetics, Biomedical Materials, Chinese Journal of Chemical Physics, Chinese Physics B, Chinese Physics C, Chinese Physics Letters, Classical and Quantum Gravity, Communications in Theoretical Physics, Computational Science & Discovery, EPL (Europhysics Letters), Environmental Research Letters, European Journal of Physics, Fluid Dynamics Research, IOP Conference Series: Earth and Environmental Science, IOP Conference Series: Materials Science and Engineering, Inverse Problems, Izvestiya. Mathematics, Journal of Breath Research, and Journal of Cosmology and Astroparticle Physics. On the right side, there is a 'Find Content' section with a dropdown menu for 'Select a Journal', input fields for 'Vol/Year:', 'Issue/Month:', and 'Page/Article #:', and a 'Go' button. Below that is a 'PACS/MS Search' section with a text input field and a 'Search now' button.

Recopilaciones de IOP

Acceso instantáneo a una recopilación de artículos recientes, elegidos por su calidad:

- **Selección de IOP**

seleccionados por nuestros editores por su carácter novedoso, significación e impacto potencial sobre futuras investigaciones;

- **Últimos artículos**

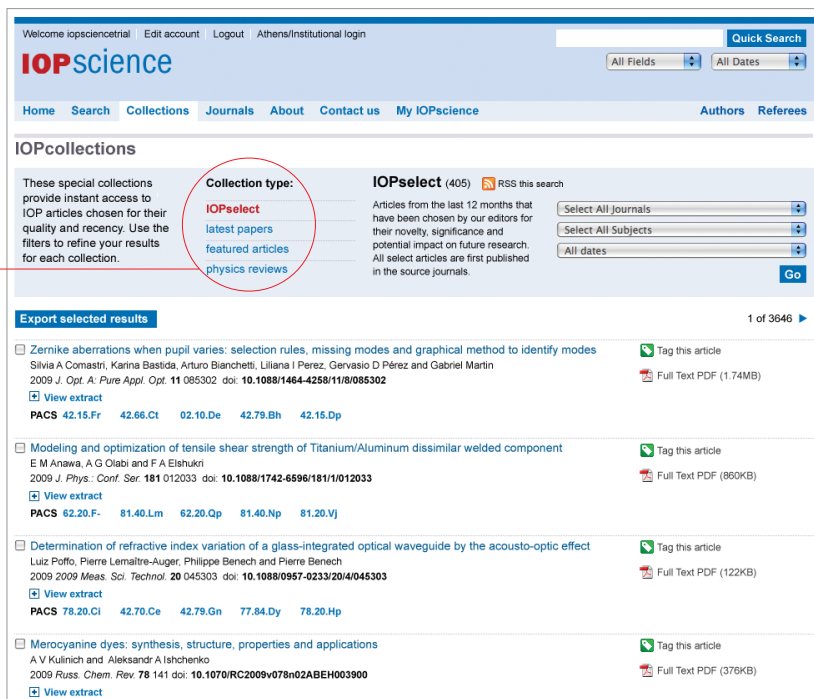
publicados durante el último mes;

- **Artículos de relieve**

artículos recientes y de gran interés;

- **Revisiones sobre Física**

agrupación de todos los artículos de revisión.



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IOPcollections

These special collections provide instant access to IOP articles chosen for their quality and recency. Use the filters to refine your results for each collection.

Collection type:

- IOPselect**
- latest papers
- featured articles
- physics reviews

IOPselect (405) | RSS this search

Articles from the last 12 months that have been chosen by our editors for their novelty, significance and potential impact on future research. All select articles are first published in the source journals.

Select All Journals | Select All Subjects | All dates | Go

Export selected results | 1 of 3646

- Zernike aberrations when pupil varies: selection rules, missing modes and graphical method to identify modes**
Sivlia A Comastri, Karina Bastida, Arturo Bianchetti, Liliana I Perez, Gervasio D Pérez and Gabriel Martin
2009 *J. Opt. A: Pure Appl. Opt.* **11** 085302 doi: [10.1088/1464-4258/11/8/085302](https://doi.org/10.1088/1464-4258/11/8/085302)
View extract | Tag this article | Full Text PDF (1.74MB)

PACS 42.15.Fr 42.66.Ct 02.10.De 42.79.Bh 42.15.Dp

- Modeling and optimization of tensile shear strength of Titanium/Aluminum dissimilar welded component**
E M Anawa, A G Otabi and F A Elshukri
2009 *J. Phys.: Conf. Ser.* **181** 012033 doi: [10.1088/1742-6596/181/1/012033](https://doi.org/10.1088/1742-6596/181/1/012033)
View extract | Tag this article | Full Text PDF (860KB)

PACS 62.20.F- 81.40.Lm 62.20.Qp 81.40.Np 81.20.Vj

- Determination of refractive index variation of a glass-integrated optical waveguide by the acousto-optic effect**
Luiz Roffo, Pierre Lamaltre-Auger, Philippe Binech and Pierre Binech
2009 *2009 Meas. Sci. Technol.* **20** 045303 doi: [10.1088/0957-0233/20/4/045303](https://doi.org/10.1088/0957-0233/20/4/045303)
View extract | Tag this article | Full Text PDF (122KB)

PACS 78.20.Ci 42.70.Ce 42.79.Gn 77.84.Dy 78.20.Hp

- Merocyanine dyes: synthesis, structure, properties and applications**
A V Kulichin and Aleksandr A Ishchenko
2009 *Russ. Chem. Rev.* **78** 141 doi: [10.1070/RC2009v078n02ABEH003900](https://doi.org/10.1070/RC2009v078n02ABEH003900)
View extract | Tag this article | Full Text PDF (376KB)

Resultados de la búsqueda

Este útil contador de resultados le indica, de inmediato, cuántos resultados ha obtenido. La parte superior del panel de filtro le recuerda su ruta de búsqueda.

Filtre los resultados

Puede Ud. profundizar todavía más en su búsqueda, expandiendo cada categoría del filtro, como código PACS, fecha, asunto, revista y autor.

También puede introducir un término de texto completo, refinando su búsqueda entre el conjunto inicial de resultados.

The screenshot shows the IOPscience search results interface. At the top, there is a navigation bar with links for 'Home', 'Search', 'Collections', 'Journals', 'About', 'Contact us', and 'My IOPscience'. The search results are displayed for the query 'quantum optics' with 36453 results. The results are categorized by 'e-prints (2768)' and 'News and analysis (443)'. A filter panel allows users to refine results by PACS, Dates, Subjects, Journals, and Authors. The 'Fulltext search within results' field is highlighted. Below the filter panel, there are options to 'Export selected results' and 'Order by' (Publication Date). The search results list includes two articles with their titles, authors, and PACS codes.

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IOPscience All Fields All Dates

Home Search Collections Journals About Contact us My IOPscience Authors Referees

Search results

IOPscience (36453) **e-prints** (2768) **News and analysis** (443)

(Field: All Fields: **quantum optics**) AND (Date: All Dates)

RSS this search 36453 IOPscience results
Save this search
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Filter results by:

PACS 42.60.Jf (4256) 42.55.Lt (2693) 42.79.Bh (2621)

Dates 2009 (4) 2008 (17) 2007 (9)

Subjects Optics, quantum optics and lasers (145) Instrumentation and measurement (76) Education and communication (29)

Journals Meas. Sci. Technol. (61) Sov. J. Quantum Electron. (29) Quantum Electron. (18)

Authors M F Bukhenskii (6) D A Jackson (6) J D C Jones (6)

Fulltext search within results: **Filter now**

Export selected results Order by: Publication Date Page: **Go** 1 of 3646 ▶

Zernike aberrations when pupil varies: selection rules, missing modes and graphical method to identify modes
Silvia A Comastri, Karina Bastida, Arturo Bianchetti, Liliana I Perez, Gervasio D Pérez and Gabriel Martin
2009 *J. Opt. A: Pure Appl. Opt.* **11** 085302 doi: [10.1088/1464-4258/11/8/085302](https://doi.org/10.1088/1464-4258/11/8/085302)
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PACS 42.15.Fr 42.66.Ct 02.10.De 42.79.Bh 42.15.Dp

Modeling and optimization of tensile shear strength of Titanium/Aluminum dissimilar welded component
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PACS 62.20.F- 81.40.Lm 62.20.Qp 81.40.Np 81.20.Vj

Gestione los resultados de su búsqueda

- **Guarde los resultados de su búsqueda**

Puede almacenar su búsqueda, con el fin de ejecutarla de nuevo en una fecha posterior, y configurar un titular de RSS o una alerta por correo electrónico que le notifiquen la entrada de nuevos resultados que satisfagan sus criterios de búsqueda.

- **Autores**

Haga clic sobre el nombre del autor y acceda, mediante enlaces, a otros artículos suyos.

- **Exporte los resultados seleccionados**

Puede exportar todos los resultados, o sólo los que seleccione, con el formato que prefiera.

- **Etiquete este artículo**

Marque cualquier artículo, para futuras referencias, con una etiqueta y la descripción que desee.

- **Texto completo en PDF**

Todos los artículos cuentan con una portada interactiva que le permite acceder, mediante enlaces, a otros artículos relacionados.

The screenshot shows the IOPscience search results page for the query "quantum optics". The page includes a navigation bar with "Home", "Search", "Collections", "Journals", "About", "Contact us", and "My IOPscience". The search results are displayed in a grid format, with filters for PACS, Dates, Subjects, Journals, and Authors. A red circle highlights the "RSS this search", "Save this search", and "Add to my alerts" options. A red line points to the "Export selected results" button. Another red line points to the "Tag this article" and "Full Text PDF" options for the first search result. A final red line points to the "Full Text PDF" option for the second search result.

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IOPscience All Fields All Dates

Home Search Collections Journals About Contact us My IOPscience Authors Referees

Search results

IOPscience (36453) **e-prints** (2768) **News and analysis** (443)

(Field: All Fields: **quantum optics**) AND (Date: All Dates)

36453 IOPscience results

Filter results by:

<input checked="" type="checkbox"/> PACS	<input type="checkbox"/> 42.60.Jf (4256)	<input type="checkbox"/> 42.55.Lt (2693)	<input type="checkbox"/> 42.79.Bh (2621)
<input checked="" type="checkbox"/> Dates	<input type="checkbox"/> 2009 (4)	<input type="checkbox"/> 2008 (17)	<input type="checkbox"/> 2007 (9)
<input checked="" type="checkbox"/> Subjects	<input type="checkbox"/> Optics, quantum optics and lasers (145)	<input type="checkbox"/> Instrumentation and measurement (76)	<input type="checkbox"/> Education and communication (29)
<input checked="" type="checkbox"/> Journals	<input type="checkbox"/> Meas. Sci. Technol. (61)	<input type="checkbox"/> Sov. J. Quantum Electron. (29)	<input type="checkbox"/> Quantum Electron. (18)
<input checked="" type="checkbox"/> Authors	<input type="checkbox"/> M F Bukhskhil (6)	<input type="checkbox"/> D A Jackson (6)	<input type="checkbox"/> J D C Jones (6)

Fulltext search within results: **Filter now**

Export selected results Order by: Publication Date Page: **Go** 1 of 3646 ▶

Zernike aberrations when pupil varies: selection rules, missing modes and graphical method to identify modes
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2009 *J. Opt. A: Pure Appl. Opt.* **11** 085302 doi: [10.1088/1464-4258/11/8/085302](https://doi.org/10.1088/1464-4258/11/8/085302)
 View extract
PACS 42.15.Fr 42.86.Ct 02.10.De 42.79.Bh 42.15.Dp Tag this article
 Full Text PDF (1.74MB)

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PACS 62.20.F- 81.40.Lm 62.20.Qp 81.40.Np 81.20.Vj Tag this article
 Full Text PDF (850KB)

Una búsqueda, tres conjuntos de resultados

Una búsqueda simple devolverá tres conjuntos de resultados, expandiendo aún más su ámbito de investigación:

- **IOPscience**

Contenidos revisados por los colaboradores regulares de IOPscience.

- **e-prints**

Suministradas por **eprintweb.org** (un servicio gratuito de ediciones preliminares en formato electrónico basado en la plataforma de **arXiv.org** de la Universidad Cornell).

- **Noticias y análisis**

Disponibles en los Sitios Web de nuestra comunidad.

The screenshot shows the IOPscience search results page for the query 'quantum optics'. The page is divided into three main sections: IOPscience (36453), e-prints (2768), and News and analysis (443). The search results are filtered by 'quantum optics' and 'All Dates'. The 'Filter results by:' section includes categories like PACS, Dates, Subjects, Journals, and Authors, with various sub-categories and counts. The 'Fulltext search within results:' field is empty. The 'Export selected results' button is visible, along with the 'Order by:' dropdown set to 'Publication Date'. The page number is '1 of 3646'. Two red lines with circular endpoints point from the text on the left to the 'e-prints' and 'News and analysis' tabs and the 'Fulltext search within results:' field.

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IOPscience All Fields All Dates Quick Search

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Search results

IOPscience (36453) **e-prints** (2768) **News and analysis** (443)

(Field: All Fields: **quantum optics**) AND (Date: All Dates)

RSS this search **36453** IOPscience results
Save this search
Add to my alerts

Filter results by:

PACS 42.60.Jf (4256) 42.55.Lt (2693) 42.79.Bh (2621)
 Dates 2009 (4) 2008 (17) 2007 (9)
 Subjects Optics, quantum optics and lasers (145) Instrumentation and measurement (76) Education and communication (29)
 Journals Meas. Sci. Technol. (61) Sov. J. Quantum Electron. (29) Quantum Electron. (18)
 Authors M F Bukhenskii (6) D A Jackson (6) J D C Jones (6)

Fulltext search within results:

Filter now

Export selected results Order by: Publication Date Page: Go 1 of 3646 ▶

Zernike aberrations when pupil varies: selection rules, missing modes and graphical method to identify modes
Silvia A Comastri, Karina Bastida, Arturo Blanchetti, Liliana I Perez, Gervasio D Pérez and Gabriel Martin
2009 *J. Opt. A: Pure Appl. Opt.* **11** 085302 doi: [10.1088/1464-4258/11/8/085302](https://doi.org/10.1088/1464-4258/11/8/085302)
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PACS 42.15.Fr 42.66.Ct 02.10.De 42.79.Bh 42.15.Dp [Full Text PDF \(1.74MB\)](#)

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PACS 62.20.F- 81.40.Lm 62.20.Qp 81.40.Np 81.20.Vj [Full Text PDF \(850KB\)](#)

Acceso al contenido de las revistas

Configure un titular de RSS o una alerta por correo electrónico para recibir los contenidos más recientes.

Enlace directo hacia la edición completa de la última revista.

Utilice el listado de volúmenes si está Ud. buscando algo específico.

Vea los últimos artículos publicados en la revista.

Localice los artículos más leídos.

Identifique qué artículos han sido los más citados.

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Journal of Physics D: Applied Physics

All Fields All Dates

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5.1 2006 Impact Factor

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View by Subject

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All Dates
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Search

Journal History

1968- present Journal of Physics D: Applied Physics
1950- 1967 British Journal of Applied Physics

One of the world's most important journals in the field, Journal of Physics D: Applied Physics is concerned with all aspects of applied physics research, from magnetism, plasmas and semiconductors to the structure and properties of matter. The journal's coverage is deliberately broad and publishes theoretical, computational and experimental studies..

Volume Listings

Current volume
Number 20, 21 October 2009 Go

Journal archive
Vol 42, 2009 Go

Forthcoming articles
An advance list of articles that have been accepted for publication.

Latest Issue (Complete)
Number 19, 7 October 2009 (193001-195503)

Open Issue
Number 20, 21 October 2009 (202001-209810)

ISSN 0022-3727 (Print)
ISSN 1361-6463 (Online)

Editorial & News

- Highlights of 2007
- Most cited articles in J Phys D
Some of the journal's most cited articles in recent years.
- Progress in Application of Magnetic Nanoparticles in Biomedicine

Most read Most cited Latest articles Select articles Featured articles Review articles

In the last 30 days

- Revival of the magnetoelectric effect
Manfred Fiebig 2005 J. Phys. D: Appl. Phys. **38** R123 Tag this article
- Electron transport coefficients in SiH₄ and Si₂H₆ in dc and rf fields
T Shimada et al 2003 J. Phys. D: Appl. Phys. **36** 1936 Tag this article
- Applications of magnetic nanoparticles in biomedicine
Q A Pankhurst et al 2003 J. Phys. D: Appl. Phys. **36** R167 Tag this article
- Semiconductor nanowires
Wei Lu and Charles M Lieber 2006 J. Phys. D: Appl. Phys. **39** R387 Tag this article

Otros usuarios también han leído...

Descubra lo que están consultando y descargando otros investigadores.

Más contenidos

Estas pestañas le permiten acceder a más información relacionada con el artículo que está Ud. leyendo:

Referencias – encuentre y lea los artículos que cita.

Citado por – consulte los artículos que hacen referencia al que está Ud. leyendo.

Datos adicionales – acceda a vídeos, imágenes y otros archivos extra asociados con el artículo.

Artículos relacionados – localice contenidos afines, basándose en la coincidencia de palabras clave y códigos PACS / MSC.

Favoritos

Una manera muy popular de almacenar, clasificar, compartir y buscar enlaces, mediante el intercambio de favoritos.

Historial

Consulte los diez últimos artículos que ha leído, al nivel del resumen, y las diez últimas búsquedas que ha realizado. Esta función se muestra en la parte inferior de la Página Web.

The screenshot displays the IOPscience interface for the article "DNA origami as a nanoscale template for protein assembly". At the top, there is a navigation bar with "IOPscience" logo, login options, and a search bar. The article title is prominently displayed. Below the title, the author information (Anton Kuziy, Kimmo T. Laitinen, and Päivi Törmä) and affiliations are listed. The article is from the journal "Nanotechnology", Volume 20, Number 23. The abstract describes two approaches to DNA origami for material assembly. The PACS and Subjects sections provide classification codes. On the right, there are sections for "Users also read" (listing related articles), "Article Links" (with social media and citation options), "View by Subject" (with filters for subjects and dates), and "Export" (with options for BibTeX, Abstract, References, and Citations). At the bottom, a "Your last 10 viewed" section shows the current article as the first item.

Mi IOPscience

Ahorre tiempo de investigación, creando una cuenta en Mi IOPscience:

- **Artículos etiquetados**

Marque los artículos que tienen interés para Ud., representándolos mediante una nube de términos.

- **Mis búsquedas**

Guarde los resultados anteriores de sus búsquedas y establezca alertas que le notifiquen la aparición de resultados nuevos.

- **Mis alertas**

Configure alertas por correo electrónico que le notifiquen la publicación de nuevos artículos.

- **Descargas**

Acceda a los artículos que ha descargado durante los últimos tres meses.

The screenshot displays the 'My IOPscience' user interface. At the top, there is a navigation bar with links for 'Home', 'Search', 'Collections', 'Journals', 'About', 'Contact us', 'My IOPscience', 'Authors', and 'Referees'. A search bar is located in the top right corner. Below the navigation bar, the 'My IOPscience' section is titled, followed by a brief introduction: 'Introducing the quick and easy way to personalise your IOPscience. Use the settings in this section to control what you see and the way you see it.' To the right of this text is a 'My IOPscience article tags' section with a 'manage' link and a cloud of tags including 'wind', 'plasma', 'photon', 'transition', 'solar', 'nano', 'colloid', 'rays', 'high-energy', 'diodes', 'quark-gluon', 'gamma', 'metal', 'carbon', 'laser', 'spinors', 'catalysts', 'black energy', and 'hole'. Below this is a 'Tagged articles' section with tabs for 'My searches', 'My alerts', and 'Downloads'. The 'Tagged articles' list contains eight entries, each with a title, date, tags, and a 'Clear' button. Red lines connect the text on the left to specific elements in the interface: 'Artículos etiquetados' points to the 'My IOPscience article tags' section; 'Mis búsquedas' points to the 'My searches' tab; 'Mis alertas' points to the 'My alerts' tab; and 'Descargas' points to the 'Downloads' tab.

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IOPscience All Fields All Dates

Home Search Collections Journals About Contact us My IOPscience Authors Referees

My IOPscience

Introducing the quick and easy way to personalise your IOPscience. Use the settings in this section to control what you see and the way you see it.

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wind plasma photon transition transition solar nano
colloid rays high-energy diodes quark-gluon gamma
metal carbon laser spinors catalysts black energy hole

Tagged articles

[My searches](#) [My alerts](#) [Downloads](#)

Your tagged articles.

1. A correction method of the spatial distortion in planar images from γ -Camera systems Date last tagged: 11/06/2009 20:47:11	Tags: transition, metal	Clear
2. High pressure superconductivity in iron-based layered compounds studied using designer diamonds Date last tagged: 04/06/2009 09:27:10	Tags: photon	Clear
3. ATLAS liquid argon calorimeter back end electronics Date last tagged: 22/02/2008 19:28:32	Tags: energy	Clear
4. Fermions tunnelling from the charged dilatonic black holes Date last tagged: 02/10/2008 12:05:17	Tags: black, hole	Clear
5. XIII International Conference on Calorimetry in High Energy Physics (CALOR 2008) Date last tagged: 04/06/2009 09:19:33	Tags: high-energy	Clear
6. Robust control of chaos in the Lorenz system with the variable structure control approach Date last tagged: 15/02/2008 07:42:16	Tags: quark-gluon	Clear
7. Magnetized vortex tubes in the solar wind plasma Date last tagged: 07/01/2008 13:40:50	Tags: solar, wind, plasma	Clear
8. Images of the energy future Date last tagged: 07/01/2008 13:40:50	Tags: energy	Clear

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