

COMPAGNIE ALGERIENNE  
DE DOCUMENTATION  
ET DE CONSEIL

Bases de données.Livres.Revues.Traités.Normes

partenaire du



# Guide d'utilisation de la base de données : IOP Science

## IOPscience

Adresse: Rue la flanelle, cité Ain ullah Dely brahim

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E-mail: [cadoc@cadoc.dz](mailto:cadoc@cadoc.dz) site: [www.cadoc.dz](http://www.cadoc.dz)

# La plateforme IOPScience

- C'est un service en ligne fournissant un accès au contenu publié par IOP Publishing :
  - Plus de 60 titres couvrant différents domaines de la recherche scientifique et technique..
  - Plus de 400,000 articles de 1874 à ce jour.

**A- Accès direct (reconnaissance par adresse IP)** Pour démarrer IOP science , allez sur le site : <http://iopscience.iop.org>.

The screenshot shows the IOPscience website interface. At the top, there are links for 'Login', 'Create account', and 'Athens/Institutional login'. The main logo 'IOPscience' is prominently displayed. A navigation menu includes 'Home', 'Search', 'Collections', 'Journals', 'About', 'Contact us', 'My IOPscience', 'Authors', 'Referees', and 'Librarians'. A search bar is located at the top right with a 'Search' button and dropdown menus for 'Title/Abstract' and 'All Dates'. Below the navigation, there is a 'Quick search' section with a search input field and a 'Search now' button. A 'Welcome to IOPscience' message is followed by a paragraph explaining the platform and three links: 'Find out more', 'Download a user guide', and 'Take an online tour'. A reminder to create an account is also present. The central feature is a news article titled 'Jason Gardner appointed as new Editor-in-Chief for Journal of Physics: Condensed Matter', which includes a photo of Dr. Jason S Gardner and a 'Read more' link. To the right, there is a 'View by subject' section with dropdown menus for 'All Subjects' and 'All Dates', and a 'Search' button. At the bottom, there are tabs for 'Latest articles', 'Most read', 'Most cited', and 'Latest news'. The 'Latest articles' tab is active, showing a list of articles, with the first one being 'The electric double layer at high surface potentials: The influence of excess ion polarizability' by Hatlo et al (2012 EPL 97 28010), including a 'Tag this article' button.

Reconnaissance automatique grâce à l'adresse IP de l'université.

B- Accès via le portail SNDL : <https://www.sndl.cerist.dz>

**1**



**Cliquer sur connexion**

**2** Accès à l'espace membre

**Entrez vos identifiants SNDL**

vous compte

Identifiant  
cadoc

Mot de passe  
.....

Connexion



**3**

**Cliquer sur sciences et techniques**

Fennour Amine bienvenue dans votre espace

A PROPOS ACTUALITES RESSOURCES PORTAILS BD EN ESSAI GRATUIT FORMATION

SCIENTES & TECHNIQUES Plus

SCIENTES DE LA VIE & DE LA TERRE Plus

SCIENTES HUMAINES & SOCIALES Plus

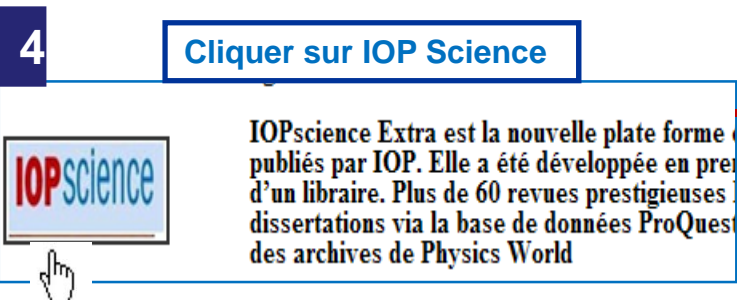


**4**

**Cliquer sur IOP Science**

**IOPscience**

IOPscience Extra est la nouvelle plate forme publiés par IOP. Elle a été développée en partenariat avec un libraire. Plus de 60 revues prestigieuses, dissertations via la base de données ProQuest des archives de Physics World



Login Create account Athens/Institutional login

**IOPscience**

Home Search Collections Journals About Contact us My IOPscience

**Vous serez reconnu par l'adresse IP du SNDL**

Quick search  Title/Abstract All Dates



**Créer un compte IOP SCIENCE:** pour pouvoir utiliser les options avancées de IOP Science telles que la création des alertes et la sauvegarde des recherches. Pour cela, cliquer sur **Create Account**.

### Create account

Please complete the form below to set up a username and password to access IOP Publishing web services.  
If you are a member of the Institute of Physics and have not registered for our web services, please register via [members.iop.org](http://members.iop.org)

\* = mandatory

\* Title:

\* First/given name:

\* Last/family name:

\* Institution/Company:

\* Postal address (please enter your full address including your department (if applicable), building name/number, street, town and country):

\* Postcode/Zipcode:

\* Country:

\* E-mail address:

Telephone number: (optional)

Fax number: (optional)

\* Main subject of interest:

\* Are you a librarian?  
 yes  no

\* Username: (between 3 and 15 lowercase alphanumerics)

\* Password: (between 5 and 15 characters)

\* Verify password: (please enter your password again)

Confirmation of these details will be sent by e-mail. Please check this box if you do not want your password to be included in the confirmation e-mail.

\* What prompted you to register for this service?

Data protection:  
The information supplied by you will be placed on IOP Publishing's website user database. It will be used in connection with our web services.  
We will take all reasonable measures to prevent unauthorized or unlawful processing. Please contact [data.protection@iop.org](mailto:data.protection@iop.org) if you have any queries or requirements. IOP Publishing Ltd is the data controller.

Mailing opt out:  
 The Institute of Physics (and other companies in its group, including IOP Publishing Limited) may like to send you news and information about our products and services. If you do not wish to receive these then tick here.  
We will never rent or sell your e-mail address to any third parties.

1

1- Remplir le formulaire et cliquer sur **Create account**.

2- A votre prochaine visite: Utiliser votre Username et password pour vous loguer.

The screenshot shows the IOPscience homepage with several key elements and annotations:

- Top Navigation:** Login, Create account, Athens/Institutional login, Home, Search, Collections, Journals, About, Contact us, My IOPscience, Authors, Referees, Librarians.
- Search Bar:** A search input field with a "Quick search" button. Below it are dropdown menus for "Title/Abstract" and "All Dates".
- Quick Search Section:** A larger search input field with a "Search now" button. A dropdown menu is open, showing options: "All Fields", "Title/Abstract", "Author", "Affiliation", "Fulltext", and "PACS/MS Code".
- Welcome to IOPscience:** A section with a heading and a paragraph: "IOPscience is a new platform for IOP-hosted journal content that incorporates some of the most innovative technologies to enhance your user experience." Below this are links for "Find out more", "Download a user guide", and "Take an online tour".
- Don't forget to create an account:** A note at the bottom left: "Don't forget to create an account to customize IOPscience and to set up email alerts."
- Latest articles:** A row of buttons for "Latest articles", "Most read", "Most cited", and "Latest news".
- Annotations:** Black lines with dots point from the text on the right to the search bar, the "Quick search" button, and the "Find content" section.

## Recherche Rapide

Cette rubrique apparaît sur la page d'accueil et toutes les autres pages. Vous pouvez rechercher dans tous les champs ou par auteur, affiliation, , full text et aussi par période de publication.

## Trouver du Contenu

Trouver un article spécifique rapidement et facilement. Vous pouvez affiner par titre de journal, volume et numéro

Login | Create account | Athens/Institutional login

**IOPscience**

Home Search Collections Journals About Contact us My Account

Quick search  **Quick search**

Title/Abstract  All Dates

**All Subjects**

- Accelerators, beams and electromagnetics
- 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 and materials
- 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
- Particle physics and field theory
- Plasma physics
- Quantum gases, liquids and solids
- Quantum information and quantum computing
- Semiconductors
- Soft matter, liquids and polymers
- Statistical physics and nonlinear systems
- Superconductivity
- Surfaces, interfaces and thin films

**Authors** **Referees** **Librarians**

**View by subject**

All Subjects

All Dates

**Search**

**Find content**

Select a Journal


Vol/Year:

Issue/Month:

Page/Article #:

**Search**

**IOPscience on mobile**



**Latest articles** **Most read** **Most cited** **Latest news**

**Lister les articles par sujet**




## Latest articles

## Most read

## Most cited

## Latest news


+ [The 12th International Workshop on Desorption Induced by Electronic Transitions \(DIET XII\) \(Pine Mountain, Georgia, USA, 19–23 April 2009\)](#)

Thomas M Orlando and Ulrike Diebold 2010 *J. Phys.: Condens. Matter* **22** 080301  Tag this article

+ [The nanostructure effect on the adhesion and growth rates of epithelial cells with well-defined nanoporous alumina substrates](#)

S H Chung *et al* 2010 *Nanotechnology* **21** 125104  Tag this article


+ [Surface photovoltage and photoluminescence spectroscopy of self-assembled InAs/InP quantum wires](#)

V Donchev *et al* 2010 *J. Phys.: Conf. Ser.* **210** 012041  Tag this article

+ [Binding energy of exciton in a nanowire superlattice in magnetic and electric fields](#)

J E Galván-Moya *et al* 2010 *J. Phys.: Conf. Ser.* **210** 012039  Tag this article

+ [An exciton trapped by an arbitrary shaped nanoring in a magnetic field](#)

J H Marín *et al* 2010 *J. Phys.: Conf. Ser.* **210** 012045  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

Cette rubrique liste :  
-Les articles les plus cités pendant les deux dernières années.

-Les articles les plus lus pendant les 30 derniers jours.

Rappelle les 10 derniers articles vus et les 10 dernières recherches effectuées. Ceci ne s'affiche que dans le cas où l'on est logué.



**Latest articles** | **Most read** | **Most cited** | **Latest news**

---

[Super-thin probe finds fluorescing plaques](#)  
Catheter-based NIR fluorescence imaging can help detect vulnerable plaque in coronary-sized arteries. [Story in full](#)

---

[Martian grains keep on bouncing](#)  
'Hysteresis' keeps sand moving on Mars [Story in full](#)

---

[Small component, big opportunity](#)  
Two-element VGA lens points the way to higher-resolution wafer-level cameras for ultraslim mobile phones [Story in full](#)

---

[Junctionless transistor makes its debut](#)  
First proposed in 1925, device could revolutionize electronics [Story in full](#)



**Donne les dernières nouvelles de l'actualité du monde de la recherche en physique publiés sur les sites des communautés de la recherche d'IOP**

## Champs de recherche

Vous pouvez pré-filtrer votre recherche en sélectionnant :

- Titre/Abstract
- Auteur
- Affiliation
- Full text
- Codes PACS/MSc
- Date
- Sujet
- journal

Vous pouvez utiliser les codes PACS ou MSC, vous pouvez entrer un code PACS/MSc ou un mot pour trouver le code correspondant.

Welcome iopsciencetrial | Edit account | Logout | Athens/Institutional login

**IOPscience**

Home **Search** Collections Journals About Contact us My IOPscience

Authors Referees

**Search** Quick help ?

123456 IOPscience results

Find Content

Select a Journal

Vol/Year:

Issue/Month:

Page/Article #:

Go

PACS/MSc Search ?

Enter a PACS/MSc code description (e.g. spin\*), or you can search for a PACS or MSC code itself (e.g. 12.10).

Search now

Search, then filter by author, subject, journal, date range and PACS. The counter automatically updates to show the number of matches to your search.

Search term: [ ] All Fields [ ] All Dates [ ] Search now

From: yyyy To: yyyy

Subjects

- Check All
- 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
- Particle physics and field theory
- Plasma physics
- Quantum gases, liquids and solids
- Quantum information and quantum mechanics
- Semiconductors
- Soft matter, liquids and polymers
- Statistical physics and nonlinear systems
- Superconductivity
- Surfaces, interfaces and thin films

Journals

- Check All
- Biofabrication
- 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
- Journal of Cosmology and Astroparticle Physics
- Journal of Geophysics and Engineering
- Journal of High Energy Physics
- Journal of Instrumentation
- Journal of Micromechanics and Microengineering
- Journal of Neural Engineering
- Journal of Optics A: Pure and Applied Optics
- Journal of Physics A: Mathematical and Theoretical
- Journal of Physics B: Atomic, Molecular and Optical Physics

**Résultats de la recherche**  
Nombre de résultats

### 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](#)

**Filtrer Les résultats**  
Affiner la recherche en choisissant d'autres critères.

**Filter results by:**

<input 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 type="checkbox"/> Dates	<input type="checkbox"/> 2009 (4)	<input type="checkbox"/> 2008 (17)	<input type="checkbox"/> 2007 (9)
<input 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 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 type="checkbox"/> Authors	<input type="checkbox"/> M F Bukhenskiĭ (8)	<input type="checkbox"/> D A Jackson (6)	<input type="checkbox"/> J D C Jones (6)

Vous pouvez aussi affiner les recherches en rajoutant des mots clés à chercher dans le full text

Fulltext search within results:  [Filter now](#)

[Export selected results](#) Order by:  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](#)  
[View extract](#)  
PACS [42.15.Fr](#) [42.66.Ct](#) [02.10.De](#) [42.79.Bh](#) [42.15.Dp](#)  
[Tag this article](#)  
[Full Text PDF \(1.74MB\)](#)
- Modeling and optimization of tensile shear strength of Titanium/Aluminum dissimilar welded component**  
E M Anawa, A G Olabi and F A Elshukri  
2009 *J. Phys.: Conf. Ser.* **181** 012033 doi: [10.1088/1742-6596/181/1/012033](#)  
[View extract](#)  
PACS [62.20.F-](#) [81.40.Lm](#) [62.20.Qp](#) [81.40.Np](#) [81.20.Vj](#)  
[Tag this article](#)  
[Full Text PDF \(860KB\)](#)



# Traiter vos résultats Enregistrer vos résultats

Vous pouvez enregistrer vos résultats pour y revenir ultérieurement  
Créer un flux RSS  
Créer une alerte e-mail qui vous donnera les nouveaux résultats concernant votre recherche.

**Authors :** vous pouvez cliquer sur un nom d'auteur pour afficher les autres articles de cet auteur

Vous permet d'exporter tous ou certains articles sélectionnés dans un format donné.

The screenshot shows the IOPscience search results page for the query 'quantum optics'. The page features a navigation bar at the top with links for Home, Search, Collections, Journals, About, Contact us, My IOPscience, Authors, Referees, and Librarians. The search results section includes a search bar with the query 'quantum optics' and a result count of 38580. Below the search bar, there are three tabs: 'Your search (38580)', 'e-prints (2858)', and 'News and Analysis (382)'. A red circle highlights the 'RSS this search', 'Save this search', and 'Add to my alerts' options. A red arrow points from the text 'Créer un flux RSS' to the 'RSS this search' option. Another red arrow points from the text 'Créer une alerte e-mail' to the 'Add to my alerts' option. Below the search bar, there is a 'Filter results by:' section with various filters such as PACS, Dates, Subjects, Journals, and Authors. A red arrow points from the text 'vous pouvez cliquer sur un nom d'auteur pour afficher les autres articles de cet auteur' to the 'Authors' filter. At the bottom of the page, there is a 'View extract' button for each article, and a red arrow points from the text 'Vous permet d'exporter tous ou certains articles sélectionnés dans un format donné.' to the 'View extract' button. The page also includes an 'Export Results' section, a 'Full text search within results' input field, and a 'Filter Now' button.

**Voir un extrait**

### Search Results

Your search (38580) **e-prints (2858)** **News and Analysis (382)**

(Field: All Fields: quantum optics)

RSS this search

Save this search

Add to my alerts

**38580**

IOPscience Result(s)

#### Filter results by:

- PACS
  - 42.60.Jf (4367)
  - 42.55.Lt (2726)
  - 42.79.Bh (2720)
- Dates
  - 2010 (476)
  - 2009 (2740)
  - 2008 (2319)
- Subjects
  - Optics, quantum optics and lasers (36637)
  - Instrumentation and measurement (7856)
  - Electronics and devices (4641)
- Journals
  - Sov. J. Quantum Electron. (6134)
  - Quantum Electron. (3391)
  - J. Phys. D: Appl. Phys. (2575)
- Authors
  - A M Prokhorov (209)
  - Evgenii M Dianov (206)
  - P G Eliseev (126)

Full text search within results:

Filter Now

Export Results Ordered by: Publication Date

Page:  Go

1 of 3858

Edge-emitting InGaAs/GaAs laser with high temperature stability of wavelength and threshold current  
 N Yu Gordeev, I I Novikov, A V Chunareva, N D Il'inskaya, Yu M Shernyakov, M V Maximov, A S Payusov, N A Kalyuzhnyy, S A Mintairov, V M Lantratov, V A Shchukin and N N Ledentsov  
 2010 *Semicond. Sci. Technol.* **25** 045003 doi: [10.1088/0268-1242/25/4/045003](https://doi.org/10.1088/0268-1242/25/4/045003)  
 [View extract](#)

Tag this article  
 Full text PDF (102 KB)

A rigorous analysis using optimal transport theory for a two-reflector design problem with a point source  
 Tilmann Glimm  
 2010 *Inverse Problems* **26** 045001 doi: [10.1088/0266-5611/26/4/045001](https://doi.org/10.1088/0266-5611/26/4/045001)  
 [View extract](#)

Tag this article  
 Full text PDF (893 KB)

**Tag This article**  
 Donner une description à un article donné (mot clé) pour un futur référencement.

**Full-text PDF**



# Une recherche : trois types de résultats

## Your Research

Contenu des journaux  
à comité de lecture  
d'IOP.

Home Search Collections Journals About Contact us My IOPscience Authors Referees Librarians

### Search Results

Your search (38580) e-prints (2858) News and Analysis (382)

(Field: All Fields: quantum optics)

RSS this search 38580 IOPscience Result(s)  
Save this search  
Add to my alerts

Filter results by:

<input checked="" type="checkbox"/> PACS	<input type="checkbox"/> 42.60.Jf (4367)	<input type="checkbox"/> 42.55.Lt (2726)	<input type="checkbox"/> 42.79.Bh (2720)
<input checked="" type="checkbox"/> Dates	<input type="checkbox"/> 2010 (476)	<input type="checkbox"/> 2009 (2740)	<input type="checkbox"/> 2008 (2319)
<input checked="" type="checkbox"/> Subjects	<input type="checkbox"/> Optics, quantum optics and lasers (36637)	<input type="checkbox"/> Instrumentation and measurement (7856)	<input type="checkbox"/> Electronics and devices (4641)
<input checked="" type="checkbox"/> Journals	<input type="checkbox"/> Sov. J. Quantum Electron. (6134)	<input type="checkbox"/> Quantum Electron. (3391)	<input type="checkbox"/> J. Phys. D: Appl. Phys. (2575)
<input checked="" type="checkbox"/> Authors:	<input type="checkbox"/> A M Prokhorov (209)	<input type="checkbox"/> Evgenii M Dianov (206)	<input type="checkbox"/> P G Eliseev (126)

Full text search within results:

**Filter Now**

**Export Results** Ordered by: Publication Date

Page:  **Go** 1 of 3858

Edge-emitting InGaAs/GaAs laser with high temperature stability of wavelength and threshold current  
N Yu Gordeev, I I Novikov, A V Chunareva, N D Il'inskaya, Yu M Shernyakov, M V Maximov, A S Payusov, N A Kalyuzhnyy, S A Mintairov, V M Lantratov, V A Shchukin and N N Ledentsov  
2010 *Semicond. Sci. Technol.* 25 045003 doi: [10.1088/0268-1242/25/4/045003](https://doi.org/10.1088/0268-1242/25/4/045003)  
 View extract

Tag this article  
 Full text PDF (102 KB)

A rigorous analysis using optimal transport theory for a two-reflector design problem with a point source  
Tilmann Glimm  
2010 *Inverse Problems* 26 045001 doi: [10.1088/0266-5611/26/4/045001](https://doi.org/10.1088/0266-5611/26/4/045001)  
 View extract

Tag this article  
 Full text PDF (893 KB)

## Search Results

Your search (38580)

e-prints (2858)

News and analysis (382)

These are e-print results from eprintweb.org which is based on arXiv.org from Cornell University Library.

You searched for: (Field: All Fields: quantum optics)

Page: 1 2 3 4 5 6 7 8 9 Last »

Eprints 1 – 20 of 2858

### Optical Lattices with Micromechanical Mirrors

< Hammerer, K. Stannigel, C. Genes, P. Zoller, F. Treutlein, S. Camerer, D. Hunger, T. W. Haensch

[View extract on eprintweb.org](#)



View full text on arxiv.org

[quant-ph/1002.4646](#) (2010)

### Toward demonstrating controlled-X operation based on continuous variable four-partite cluster state and quantum teleporters

Yu Wang, Xiaolong Su, Heng Shen, Aihong Tan, Changde Xie, Kunchi Peng

Journal-ref: Phys. Rev. A 81, 022311 (2010)

[View extract on eprintweb.org](#)



View full text on arxiv.org

[quant-ph/1002.4272](#) (2010)

**E-Prints**  
Résultats trouvés  
sur le site [arXiv.org](#)  
: sites contenant des  
journaux gratuits.

## Search Results

Your search (38580) e-prints (2858) **News and analysis (382)**

Created to promote innovation, growth and networking within physics and related disciplines, these sites provide both a valuable information source and an international forum within which community members can share and exchange their views.

You searched for: (Field: All Fields: quantum optics)

Page: 1 2 3 4 5 6 7 8 9 Last »

Results 1 – 33 of 382

### News, Analysis and Opinion (369)

#### [Photo finish in race for strontium condensate](#)

2009/11/19

Photo finish in race for strontium condensate An Austrian group has beaten its US counterpart by a matter of days in a race to create a Bose-Einstein condensate (BEC) of strontium atoms. Researchers at the Institute of Quantum Optics and Information (IQOQI) at the Austrian Academy of Sciences submitted their paper on a strontium BEC – a mass of ultracold atoms all in the same quantum state – just 10 days before those at Rice University in Houston, Texas. The IQOQI group used it to create ...

[physicsworld.com](#)

[Nanodiamonds are a NSQM's best friend](#)

### Industry, Jobs and Events (13)

#### [MSc in Quantum Technologies - Leeds, UK](#)

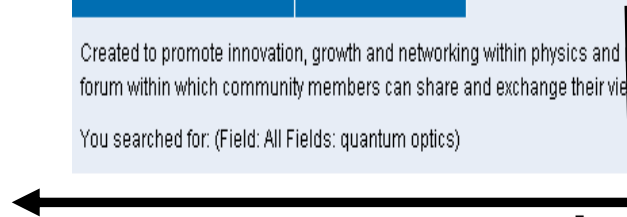
2010/03/01

MSc in Quantum Technologies - Leeds, UK University of Leeds School of Physics and Astronomy Faculty of Mathematics and Physical Sciences MSc in Quantum Technologies Quantum Information Science Quantum Optics Advanced Quantum Computation Spintronics Gain an understanding of the fundamental theories behind different quantum technologies and the principles and implementations of quantum information processing systems at one of the UK's foremost, research led Physics departments. For further ...

Type: X03 jobs

CERN  
COURIER

**News and Anlysis**  
Articles publiés sur le site  
Physicsworld.com : site de  
la communauté de IOP.





## 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**

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)  
[View extract](#)  
 PACS [42.15.Fr](#) [42.66.Ct](#) [02.10.De](#) [42.79.Bh](#) [42.15.Dp](#)

Tag this article

Full Text PDF (1.74MB)

### IOP select

Choisies par nos éditeurs pour leur nouveauté et leur impact sur le futur de la recherche.

**Modeling and optimization of tensile shear strength of Titanium/Aluminum dissimilar welded component**

E M Anawa, A G Olabi 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](#)  
 PACS [62.20.F-](#) [81.40.Lm](#) [62.20.Qp](#) [81.40.Np](#) [81.20.Vj](#)

Tag this article

Full Text PDF (860KB)

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Publiés le mois précédent

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A V Kulninch and Aleksandr A Ishchenko  
 2009 *Russ. Chem. Rev.* **78** 141 doi: [10.1070/RC2009v078n02ABEH003900](https://doi.org/10.1070/RC2009v078n02ABEH003900)  
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C Alvarez-Herrera, D Moreno-Hernándezre and B Barrientos-García  
 2009 *J. Opt. A: Pure Appl. Opt.* **10** 104014 doi: [10.1088/1464-4258/10/10/104014](https://doi.org/10.1088/1464-4258/10/10/104014)  
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 Keywords: temperature measurement, schlieren method, POD method.  
 Introduction: The measurement of temperature is an important task in several areas of science. has also been used to obtain quantitative temperature data in flows [4, 11–16]. For this, several approaches have been proposed, such as color schlieren [11, 13, 14], background schlieren [12, 15] and calibration schlieren [7, 16, 17]. Classical schlieren systems include a point-like light source, usually a xenon flash lamp. This is .....

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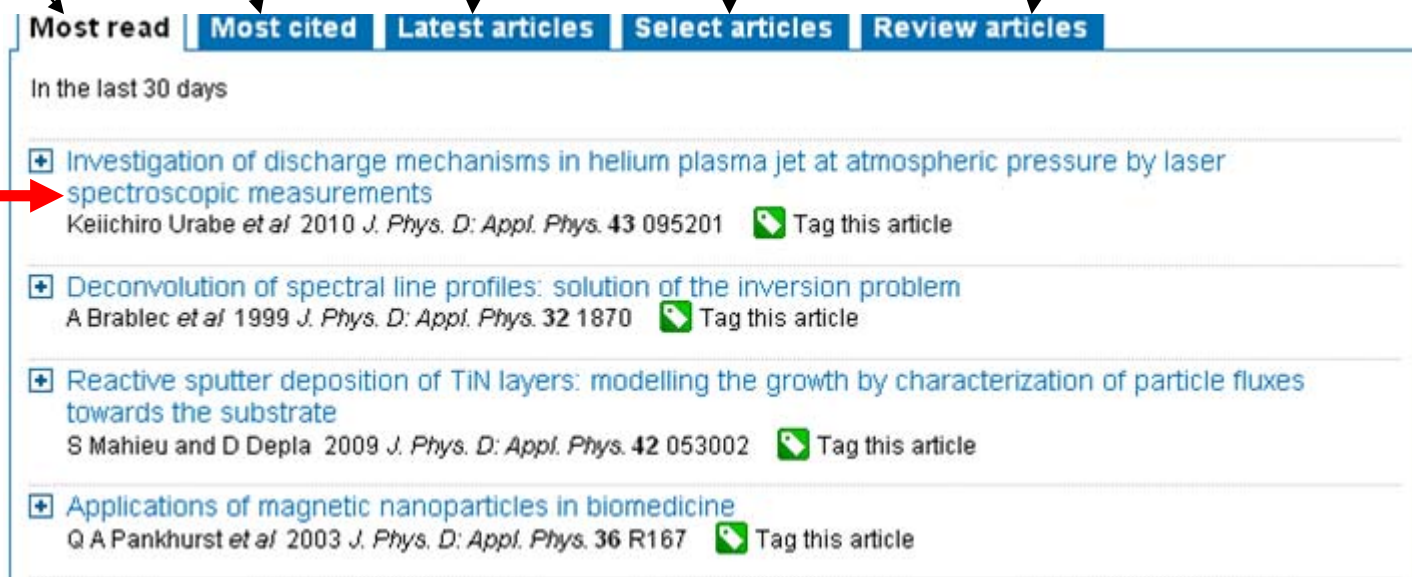
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### Investigation of discharge mechanisms in helium plasma jet at atmospheric pressure by laser spectroscopic measurements

**Author** Keiichiro Urabe<sup>1</sup>, Tadasuke Morita<sup>1</sup>, Kunihide Tachibana<sup>1,2</sup> and Biswa N Ganguly<sup>3</sup>

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<sup>3</sup> Air Force Research Laboratory, Wright Patterson Air Force Base, OH 45433-7251, USA

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76	CRASC Centre de Recherche d'Anthropologie Sociales & Culturelle
77	CRB Centre de Recherche en Biotechnologie (Constantine) (CRB)
78	CREAD Centre de Recherche en Economie Appliquée pour le Développement
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