

Image Credit: Pupa Gilbert, University of Wisconsin-Madison (2011)

## Guia de uso 2017

# Conteúdo

- ⊕ Astrofísica
- ⊕ Biofísica, bioengenharia e materiais biomédicos
- ⊕ Energia renovável
- ⊕ Partículas e campos elementares
- ⊕ Física nuclear
- ⊕ Física óptica
- ⊕ Física teórica e experimental
- ⊕ Engenharia
- ⊕ Física Atômica
- ⊕ Física Quântica
- ⊕ Geofísica
- ⊕ Óptica, optoeletrônica, fotônica e física do laser
- ⊕ Colisões e Interações
- ⊕ Processos moleculares
- ⊕ Física dos materiais
- ⊕ Superfícies
- ⊕ Supercondutores
- ⊕ Semicondutores
- ⊕ Raios cósmicos
- ⊕ Concepção e aceleradores de implementação
- ⊕ Polímeros
- ⊕ Semicondutores
- ⊕ Nanotecnologia
- ⊕ E mais...



# Página Principal

<http://journals.aps.org/>

The screenshot shows the APS Journals website homepage. The top navigation bar includes the APS physics logo (1), a 'Journals' dropdown menu, a 'Help/Feedback' link, a search bar (2) with a magnifying glass icon, and a 'Log in' button (3). Below the navigation bar is a blue header with 'APS JOURNALS' and the subtitle 'Physical Review Letters, Physical Review X, Physical Review, and Reviews of Modern Physics'. A secondary navigation bar contains 'Our Journals' (4), 'Authors', 'Ref.' (5), 'Browse', and 'Search' (6). The main content area features a 'PRL ON THE COVER' section (7) with a featured article: 'Stabilization of Helical Macromolecular Phases by Confined Bending' by Matthew J. Williams and Michael Bachmann, dated July 24, 2015. Below this is a 'PRSTPER GUEST EDITORIAL' section with the title 'Reflections on the Origins of Physical Review Special Topics – Physics Education Research' dated July 23, 2015. To the right is an 'Announcements' section with three items: 'APS Continues as MathJax Supporter' (July 1, 2015), 'New Sponsors for Physical Review ST - Accelerators and Beams' (June 15, 2015), and 'Discontinuation of Brief Reports in Physical Review C'.

## Opções de navegação e buscas:

1. Ver lista de journal e ir a página de cada um
2. Busca por Journal, vol., página, DOI, etc.
3. Log In para criação de conta pessoal
4. Navegar por Journals
5. Busca por Journal e volumes
6. Busca avançada
7. Algumas seções de journals:
  - ⊕ Capa
  - ⊕ Anúncios
  - ⊕ Editorial
  - ⊕ Comentários
  - ⊕ Oportunidades de emprego na APS

# Navegar por Journals – Opção 1

**APS JOURNALS**  
Physical Review Letters, Physical Review X, Physical Review, and Reviews of Modern Physics

**Our Journals** Authors Referees Browse Search

**PRL ON THE COVER**  
**Stabilization of Helical Macromolecular Phases by Confined Bending**  
July 24, 2015  
Stable structural phases found in simulations of helical bending-restrained semiflexible (all) and unrestrained flexible macromolecules (bottom row only).

**Announcements**  
**APS Continues as MathJax Supporter**  
July 1, 2015  
APS continues to support the [MathJax project](#) as a MathJax Supporter. APS was one of first organizations to become a MathJax Supporter, and the support of organizations like APS over

**APS JOURNALS**  
Physical Review Letters, Physical Review X, Physical Review, and Reviews of Modern Physics

**Our Journals** Authors Referees Browse Search

**Physical Review Letters**  
Moving physics forward  
*Physical Review Letters* (PRL) is the premier APS journal for current research, providing rapid publication of short reports of important fundamental research in all fields of physics. PRL provides its diverse readership with weekly coverage of major advances in physics and cross-disciplinary developments.

**Physical Review X**  
Committed to excellence  
*Physical Review X* (PRX) is an online-only, fully open access, peer-reviewed journal that aims to publish, as timely as possible, exceptional original research papers from all areas of pure, applied, and interdisciplinary physics.

**Reviews of Modern Physics**  
*Reviews of Modern Physics* (RMP) brings the broad fundamental physics literature in established topical areas together and places it within the context of current trends in research and applications. Its in-depth review articles and shorter Colloquia serve students, engineers, and physics researchers in a range of fields.

**View Phys. Rev. Lett.** **View Phys. Rev. X** **View Rev. Mod. Phys.**

**REVIEWS OF MODERN PHYSICS**

Recent Accepted Authors Referees Search About

**NEW ARTICLE**  
**Optical atomic clocks**  
Since 1967 the primary time standard is the cesium atomic clock, based on a hyperfine transition in the microwave domain. The development of ultrastable laser sources now allows one to operate on electronic transitions in the optical domain, corresponding to a 5-order-of-magnitude increase in the clock frequency. This article reviews the spectacular accuracy and stability gains that can be obtained when working with laser cooled ions or neutral atoms. It also discusses some

**Current Issue**  
Vol. 87, Iss. 2 — April - June 2015  
**View Current Issue**

Previous Issues

Esta opção mostra uma breve descrição de cada journal, ao selecionar um deles, nos levará a página do mesmo.

# Navegar por Journals – Opções 2

APS JOURNALS  
Physical Review Letters, Physical Review X, Physical Review, and Reviews of Modern Physics

Our Journals Authors Referees **Browse** Search

**PRL ON THE COVER**  
Stabilization of Helical Macromolecular Phases by Confined Bending  
July 14, 2015  
Stable structural phases found in simulations of helical bending-restrained semiflexible (all) and unrestrained flexible macromolecules (bottom row only).

Announcements  
APS Continues as MathJax Supporter  
July 1, 2015  
APS continues to support the MathJax project as a MathJax Supporter. APS was one of first organizations to become a MathJax Supporter, and the support of organizations like APS over

APS JOURNALS  
Physical Review Letters, Physical Review, and Reviews of Modern Physics

Our Journals Authors Referees Browse Search

Browse

**Physical Review Letters**  
Reviews of Modern Physics  
Physical Review A  
Physical Review B

PHYSICAL REVIEW LETTERS  
moving physics forward

Highlights Recent Accepted Authors Referees Search About

Volumes & Issues

Volume 115 June - Present

- Issue 1 3 July 2015 (010401 — 019902)
- Issue 2 10 July 2015 (020401 — 029903)
- Issue 3 17 July 2015 (030401 — 039903)
- Issue 4 24 July 2015 (040401 — 049902)

Esta opção mostra a lista de Journals da APS, ao selecionar algum, se mostrará a relação do arquivo de volumes e edições do mesmo.

# Busca simples

APS physics Journals Help/Feedback Journal, vol, page, DOI, etc. p Log in

APS JOURNALS  
Physical Review Letters, Physical Review X, Physical Review, and Reviews of Modern Physics

Our Journals Authors Referees Browse Search

PRL ON THE COVER  
Stabilization of Helical Macromolecular Phases by Confined Bending  
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July 1, 2015  
APS continues to support the MathJax project as a MathJax Supporter. APS was one of first organizations to become a MathJax Supporter.

Search

Abstract/Title metamaterials Search

Article Lookup  
Paste a citation or DOI  
e.g. Phys. Rev. Lett. 111, 012345 Lookup

Article Lookup  
Enter a citation  
Journal: Phys. Rev. Lett. Volume: Article: Lookup

1. Inserir um termo de busca, dar "click" no ícone da lupa, ou,
2. "clique" sobre a seta na caixa de busca, apareceram as seguintes opções:
3. Buscar um termo/palavra em:
  - Autor
  - Resumo
  - Título/resumo
  - Autor citado
  - Afiliação
  - Colaboração
4. Buscar DOI
5. Buscar por citação

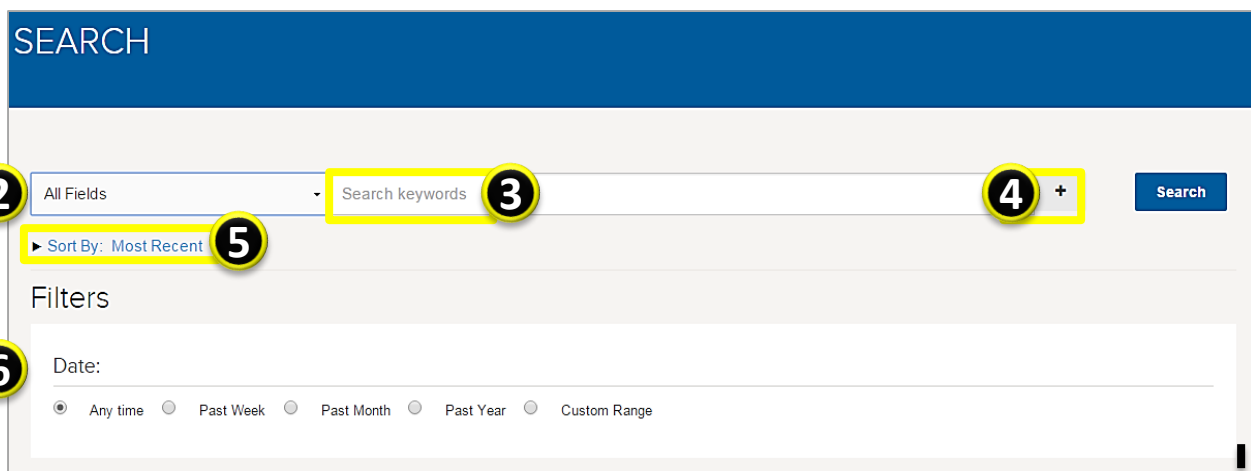
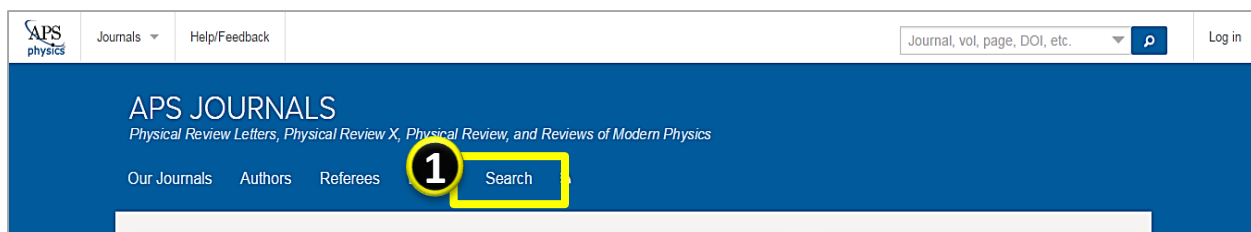
**NOTA:** Não é necessário preencher todos os critérios de busca mostrados

# Página de resultados

The screenshot shows a search results page for 'Abstract/Title:metamaterials'. It features a sidebar on the left with filters for Highlights, Category, and Journals. The main content area displays three search results, each with a journal abbreviation (PRB, PRL, PRL), title, authors, journal information, citation count, and buttons for PDF, HTML, and Export Citation. Numbered callouts (1-9) point to specific elements: 1. Results count (1-25 of 808); 2. List of results; 3. Sort dropdown (Most Relevant); 4. Highlights section; 5. Category section; 6. Journals section; 7. Citation count; 8. PDF/HTML buttons; 9. Export Citation button.

1. Número de resultados
2. Lista de resultados
3. Ordenar por:
  - Relevância
  - Mais recente
  - Mais antigo
  - Mais citado
4. Selecionar Destaques
5. Selecionar Categoria
6. Selecionar Journal
7. Número de citações que recebeu o artigo
8. Mostrar leitura em PDF ou HTML
9. Exportar citações

# Busca Avançada



1. Desde a página principal seleccione *SEARCH*, em seguida se mostrará um formato com os seguintes critérios de busca.
  2. Clique na seta ao lado de All Fields e seleccione um tipo busca a partir do menu que abrirá, com as opções : Autor, Abstract, Título, Filiação, Colaboração.
  3. Insira o termo de busca.
  4. Se necessário, pressione o símbolo + para agregar um termo de busca, utilizando os seguintes operadores booleanos predefinidos:
    - AND (Intersecção) = Reduz a busca (termo 1 AND termo 2)
    - OR = Amplia a busca, qualquer dos termos (termo 1 OR termo 2)
    - NOT = Exclusão do segundo termo (termo 1 NOT termo 2)
  5. Mostrar:
    - Mais recente
    - Mais relevante
    - Mais antigo
    - Mais citado
- Filtros por:
6. Intervalo de datas: Qualquer data, Semana passada, Mês passado, Ano passado, Série personalizada.

Continua



# Busca Avançada 2

**1** Journal: [Clear](#)

<input type="checkbox"/> Phys. Rev. Lett.	<input type="checkbox"/> Phys. Rev. X	<input type="checkbox"/> Rev. Mod. Phys.	<input type="checkbox"/> Phys. Rev. Applied
<input type="checkbox"/> Phys. Rev. A	<input type="checkbox"/> Phys. Rev. B	<input type="checkbox"/> Phys. Rev. C	<input type="checkbox"/> Phys. Rev. D
<input type="checkbox"/> Phys. Rev. E	<input type="checkbox"/> Phys. Rev. ST Accel. Beams	<input type="checkbox"/> Phys. Rev. ST Phys. Educ. Res.	<input type="checkbox"/> Phys. Rev.
<input type="checkbox"/> Phys. Rev. (Series I)	<input type="checkbox"/> Physics	<input type="checkbox"/> Phys. Rev. Focus	

**2** Category: [Clear](#)

<input type="checkbox"/> Featured in Physics	<input type="checkbox"/> Editors' Suggestion	<input type="checkbox"/> Open Access	<input type="checkbox"/> Rapid Communication	<input type="checkbox"/> PRL Milestone
--	--	--------------------------------------	--	--

**3** [Search](#)

## Filtros (continuação)

1. Journals: Selecione os Journals onde deseja aplicar sua busca.
2. Categoria:
  - Destaque na Revista Physics
  - Sugestões do editor
  - Open Access
  - Comunicação rápida
  - Destaque na seção PRL Milestone
3. Efetuar busca

**NOTA:** Não é necessário preencher todos os critérios de pesquisa mostrado

# Visualização de um artigo em HTML

**1** PHYSICAL REVIEW B  
*condensed matter and materials physics*

**2** Highlights Recent Accepted Authors Referees Search About

**3** Topological phases in gated bilayer graphene: Effects of Rashba spin-orbit coupling and exchange field

Zhenhua Qiao, Xiao Li, Wang-Kong Tse, Hua Jiang, Yugui Yao, and Qian Niu  
Phys. Rev. B **87**, 125405 – Published 7 March 2013

**4** 9

Twitter Facebook More

**5** Article References Citing Articles (8) PDF HTML Export Citation

**6** ABSTRACT

We present a systematic study on the influence of Rashba spin-orbit coupling, interlayer potential difference, and exchange field on the topological properties of bilayer graphene. In the presence of only Rashba spin-orbit coupling and interlayer potential difference, the band gap opening due to broken out-of-plane inversion symmetry offers new possibilities of realizing tunable topological phase transitions by varying an external gate voltage. We find a two-dimensional  $Z_2$  topological insulator phase and a quantum valley Hall phase in AB-stacked bilayer graphene and obtain their effective low-energy Hamiltonians near the Dirac points. For AA stacking, we do not find any topological insulator phase in the presence of large Rashba spin-orbit coupling. When the exchange field is also turned on, the bilayer system exhibits a rich variety of topological phases including a quantum anomalous Hall phase, and we obtain the phase diagram as a function of the Rashba spin-orbit coupling, interlayer potential difference, and exchange field.

**7** Issue  
Vol. 87, Iss. 12 — 15 March 2013








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1. Título do journal.
2. Opções de navegação dentro do journal
3. Referência.
4. Métrica. (ao clicar no ícone se mostram as redes sociais e outros espaços da web onde se foi compartilhado o artigo).
5. Opções para ir:
  - ↳ Corpo do artigo
  - ↳ Referências
  - ↳ Artigos que o citaram
  - ↳ Texto completo em PDF e HTML
  - ↳ Exportar citação para gerenciadores de referências
6. Resumo
7. Edição onde se encontra o artigo

Continua

# Visualização de um artigo selecionado (Continuação)

**1**       

10 More  
Received 16 November 2012

**2** DOI:

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**3** < >

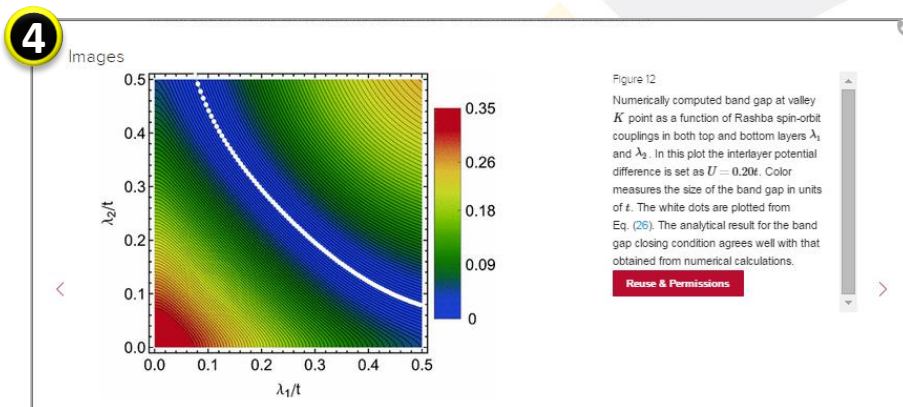
**AUTHORS & AFFILIATIONS**

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1. Imagens dentro do artigo. Para ver maior, selecione alguma delas (No. 4), encontrará a descrição da imagem e das permissões de uso.
2. DOI (Digital Object Identifier)
3. Clicar nas setas que aparecem ao longo do artigo, à esquerda e direita, para passar de um artigo para outro dentro do mesmo journal.

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