

# APS全文数据库培训



iGroup亚太资讯(中国)有限公司

2010.5.4

## 提 纲

- APS（美国物理学会）数据库介绍
- Scitation和APS期刊平台
- 基本功能：浏览与检索
- 管理功能

## APS (American Physical Society)

- APS（美国物理学会）成立于1899年5月，世界上最具声望的物理学专业学会之一
- APS出版的所有物理评论系列期刊分别是各专业领域最受尊重、被引用次数最多的科技期刊之一，在全球物理学界及相关学科领域的研究者中具有极高的声望
- APS是少数能提供全部回溯文献的资料库之一，数据最早回溯到1893年

## APS期刊

- **Physical Review A**
- **Physical Review B**
- **Physical Review C**
- **Physical Review D**
- **Physical Review E**
- **Physical Review Letters** 《物理评论快报》
- **Reviews of Modern Physics** 《现代物理学评论》
- **PROLA: 过刊文献库**

## APS 免费全文内容

### 1、Physical Review Focus 《物理评论中心》

它站在学生和非专业人士都能理解的水平，用通俗易懂的语言做简要地解说。采用生动图片和逼真视频的新形式，是一份所有用户都可以免费浏览全文的网上资源。

### 2、Physics 《物理》

《物理》这本期刊汇集了Physical Review系列期刊中的一些物理学领域的焦点和重大研究。用简单易懂的语言和插图阐述这些研究成果，并对某一个物理学领域新的发展趋势进行探讨研究。

### 3、Physical Review Special Topics- Accelerators and Beams 《物理评论特别专题-加速器和光束》

APS同行评议的电子期刊。覆盖子系统 and 组件技术、束流动力学以及工业科学中加速器的应用、设计、操作和改良。包括高能 and 核物理、同步加速器辐射产品、散变中子源、医学疗法 and 强流束应用中的加速器。已被SCI、INSPEC, PubSCIENCE, SPIN收录

# APS期刊品质

\* JCR 2008

No.	期刊名称	期刊名称(中文)	影响因子 2008	各领域的排名情况
1	Physical Review A: Atomic, Molecular, and Optical Physics	《物理学评论A辑: 原子、分子和光学物理学》	2.908	原子、分子、化学物理学引用量排名第二
2	Physical Review B: Condensed Matter and materials Physics	《物理学评论B辑: 凝聚态物质与材料物理学》	3.322	凝聚态物理引用量排名第一
3	Physical Review C: Nuclear Physics	《物理学评论C辑: 核物理学》	3.124	核物理学引用量排名第一
4	Physical Review D: Particles, Fields, Gravitation, and Cosmology	《物理学评论D辑: 粒子、场、重力与宇宙学》	5.05	粒子和场物理引用量排名第一
5	Physical Review E: Statistical, Nonlinear, and Soft Matter Physics	《物理学评论E辑: 统计、非线性和软体物理学》	2.508	数学物理学流体、等离子物理学引用量分别排名第一
6	Physical Review Letters	《物理评论快报》	7.18	跨学科物理引用量排名第一
7	Review of Modern Physics	《现代物理学评论》	33.985	跨学科物理影响因子排名第一

## 提 纲

- 数据库介绍
- **Scitation和APS期刊平台**
- 基本功能：浏览与检索
- 管理功能

## Scitation和APS期刊平台

- 一个获得高品质学术文献的在线入口
  - 30多家声誉卓著的学协会和技术出版社
  - 期刊、杂志、会议录和其他超过170种出版物
  - 超过150万篇全文，每月增加约6000篇
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  - 链接到多种外部信息资源：ISI's Web of Science, MEDLINE, ChemPort/Chemical Abstracts Service, SPIN, Inspec, arXiv, SLAC-SPIRES
  - 提供文章的被引用链接
- 一个为学生和研究者提供多种免费服务提供者
  - RSS feeds
  - Table of Contents Alerts邮件目录推送服务
  - My Scitation个性功能



# Scitation平台主页

The screenshot shows the Scitation website homepage. At the top left is the Scitation logo. Below it is a navigation bar with links: Browse, Search Scitation, For Users, For Librarians, For Partners, Labs, and News. A red box highlights the 'Search Scitation' link, with a callout bubble containing the text '导航栏' (Navigation Bar). To the right of the navigation bar is a search box with a 'GO' button and a 'Peer-reviewed' dropdown menu. Another red box highlights the search box area, with a callout bubble containing the text '快速检索和浏览入口' (Fast search and browsing entry). Below the navigation bar is a large banner for 'Explore New Features in Scitation Labs' with a 'here' link. To the right of the banner is a 'Library Service Center' section with a 'LEARN MORE' link. Below the banner is a 'Cloud Explorer BETA' section with a 'Interact' button. The main content area features a 'Recently Published Research' section with several article titles and authors. On the right side, there are two vertical promotional banners: 'NIL stamps Custom samples' and 'The future of Scitation. On display now at Scilabs'. A red box highlights the 'Recently Published Research' section, with a callout bubble containing the text '注意: Scitation平台升级后, 必须使用高版本浏览器才能正常显示。' (Attention: After the Scitation platform upgrade, a high-version browser must be used for normal display.).

# Scitation—Cloud Explorer

Scitation Labs

Explore New Features in Scitation Labs  
Click [here](#) to discover new Scitation features and products being developed.

Cloud Explorer **BETA**

Group By Term: **Keywords**  
 FROM: Jan  
 TO: Apr  
 Presets: All Time | Last Month  
 Update

选择一个时间段, 显示检索最多的关键词和作者名;

Library Service Center  
► LEARN MORE

Recently Published Research

Theoretical Considerations on Current Spreading in GaN-Based Light Emitting Diodes Fabricated with Top-Emission Geometry  
Hyunsoo Kim and Sung-Nam Lee  
We report theoretical considerations regarding current spreading in GaN-based light emitting diodes (LEDs) fabricated with top-emission geometry in J. Electrochem. Soc. 157, B726 (2010)

Effective Metal Work Function of Pt Gate Electrode in Ge Metal Oxide Semiconductor Device  
S. V. Jagadeesh Chandra, Mi-Ra Jeong, Kyu-Hwan Shim, Hyo-Bong Hong, Soo-Hyung Lee et al.  
We fabricated Ge and Si metal oxide semiconductor devices with Pt/HfO gate stacks and investigated their structural and electrical properties. Postm... J. Electrochem. Soc. 157, H546 (2010)

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The future of Scitation. on display now at  
ciLabs  
Create Your Own Dynamic RSS Feed!  
Save any Scitation search query as your own dynamic RSS feed!  
SEARCH NOW



# Scitation—Cloud Explorer

The screenshot shows the Scitation website interface. At the top, there is a search bar with options for 'Keyword', 'DOI', and 'Advanced'. Below the search bar are navigation menus for 'Browse', 'Search Scitation', 'For Users', 'For Librarians', 'For Partners', 'Labs', and 'News'. A 'Peer-reviewed' dropdown and a 'GO' button are also present.

The main content area features a 'Scitation Labs' banner with a 'Library Service Center' advertisement. Below this is a 'Recently Published Research' section with a list of articles. A red speech bubble points to the word cloud, containing the text: '字体显示地越大, 代表这个关键词能检索到论文越多。' (The larger the font size displayed, the more papers can be retrieved for this keyword.)

The word cloud contains various scientific terms, with 'semiconductors' and 'wide band gap' being the most prominent. Other visible terms include 'ab initio calculations', 'adsorption', 'aluminium', 'compounds', 'annealing', 'atomic force microscopy', 'carbon', 'nanotubes', 'density functional theory', 'diffusion', 'dosimetry', 'electrical conductivity', 'electrical resistivity', 'excited states', 'ferromagnetic materials', 'fluorescence', 'gallium', 'arsenide', 'gallium compounds', 'gold', 'ground states', 'II-VI semiconductors', 'III-V semiconductors', 'indium', 'compounds', 'infrared spectra', 'magnetic thin films', 'magnetisation', 'metallic thin films', 'molecular biophysics', 'molecular dynamics method', 'Monte Carlo methods', 'nanofabrication', 'nanoparticles', 'nanostructured materials', 'nanowires', 'organic compounds', 'organic photoluminescence', 'plasma simulation', 'polymers', 'radiation therapy', 'Raman spectra', 'semiconductor doping', 'semiconductor growth', 'semiconductor quantum dots', 'semiconductor thin films', 'silicon', 'silicon compounds', 'solar cells', 'sputter deposition', 'strontium compounds', 'thin films', 'transmission electron microscopy', 'vacancies (crystal)', 'vibrational states', and 'water'.

# SPIN文摘数据库

## Searchable Physics Information Notices数据库

- 收录了物理学、天文学及其相关工程领域 220多种主要期刊和会议录的文摘信息
- 部分期刊和Scitation平台收录期刊重合，同时还包含来自其他出版社/平台的出版物
- 所有文章都提供到源文献的链接，但只有订购来源期刊的用户能看到全文

SPIN Publication Coverage请见

<http://scitation.aip.org/jhtml/scitation/spincodens.jsp>



The screenshot shows the Scitation website homepage. At the top left is the Scitation logo. To the right are search options: "Keyword", "DOI", "Advanced". Below this is a navigation bar with "Browse" (highlighted with a red box), "Search Scitation", "For Users", "For Librarians", "For Partners", "Labs", and "News". A dropdown menu is open under "Browse", showing "Alphabetical", "By Publisher", and "By Subject Category". A red callout box points to this menu with the text: "浏览方式: 一出版物首字母A-Z 一出版社 一主题领域". To the right of the menu is a "Service Center" banner. Below the navigation bar is a section titled "Explore New Features in Scitation Labs" with a link "Click here to discover new Scitation features and products being developed.". Below that is a "Cloud Explorer BETA" section with a "Phys Sci Nuclear" icon and an "Interact" button. The main content area features a word cloud with terms like "ANNEALING", "ARSENIDES", "GALLIUM", "SEMICONDUCTORS", "SILICON", "PHOTOLUMINESCENCE", "ORGANIC COMPOUNDS", "DIFFUSION", "ELECTRIC", "STRUCTURE", "DESIGN", "CRYSTAL", "STATE", "ATOMIC FORCE MICROSCOPY", "COPPER", "CRYSTAL", "DENSITY FUNCTIONAL THEORY", "ELECTRONIC STRUCTURE", "CONDUCTIVITY", "ENERGY GAP", "ETCHING", "EXCITED STATES", "FABRICATION", "FERROMAGNETIC MATERIALS", "FLUORESCENCE", "GALLIUM ARSENIDE", "GALLIUM COMPOUNDS", "GOLD", "GROUND STATES", "HYDROGEN", "III-V", "INDIUM COMPOUNDS", "INFRARED SPECTRA", "ION IMPLANTATION", "IRON ALLOYS", "MATHEMATICAL MODELS", "molecular beam epitaxy", "Monte Carlo methods", "nanostructured materials", "OXIDATION", "PLASMA DIAGNOSTICS", "POLYMERS", "POTENTIAL ENERGY SURFACES", "RAMAN SPECTRA", "ROTATIONAL STATES", "semiconductor epitaxial layers", "SEMICONDUCTOR THIN FILMS", "SILICON COMPOUNDS", "TEMPERATURE DEPENDENCE", "thin films", "TRANSMISSION ELECTRON MICROSCOPY", "VIBRATIONAL STATES", "WATER", "wide band gap semiconductors", "X-RAY DIFFRACTION", "ZINC COMPOUNDS". To the right of the word cloud is a "Recently Published Research" section with an RSS icon. It lists two articles: "Theoretical Considerations on Current Spreading in GaN-Based Light Emitting Diodes Fabricated with Top-Emission Geometry" by Hyunsoo Kim and Sung-Nam Lee, and "Effect of Cathode Pore Volume on PEM Fuel Cell Cold Start" by Ashis Nandy, Fangming Jiang, Shanhai Ge, Chao-Yang Wang, and Ken S. Chen. To the right of the research section is a "Follow on Twitter" section for "NIL stamps Custom samples" by EULITHA. Below that is a "The future of Scitation. On display now at Scilabs" section with a "Create Your Own Dynamic RSS Feed!" button and a "SEARCH NOW" button.

# 基本检索/高级检索

Standard Search | **Advanced Search**

Scitation  SPIN\*  Scitation+SPIN\*  PubMed/MEDLINE® \* Requires subscription.

**Nano** in Full Bibliographic Record

AND OR NOT NEAR

Sorting Options: Show Most Recent First

The following options may be used to enhance your search query & results list.

Publication Date Range: 限定日期  
Month Day Year

Volume/Issue Range: 指定卷期  
From: Vol. Iss. To: Vol. Iss.

Hitlist Sorting Options: Show Most Recent First  
Records Per Page: 25  
Threshold: All

**高级检索实例:**  
**(stellar <IN> title) <AND> (smith <IN> author)**

Search Reset



# 检索结果页面

Browse Search For Users For Librarians For Partners Labs News

Peer-reviewed articles GO

[ Back to Search Query | Start New Search | Searching Hints ]

检索出**6037**篇论文 [ 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Next 25 | More Results ]

You were searching for : (nano)

You found 6037 out of 1957161 (500 returned) Documents 1 - 25 listed on this page

检索式的描述

Refine your query if desired:

AND  in Abstract/Title/Keywords

Results Sorting Options

Show Most Recent First

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Micro二次缩检

- Nature of Tris(pentafluorophenyl)borane as a Functional Additive and Its Contribution to High Rate Performance in Lithium-Ion Secondary Battery  
Yong Min Lee, Young-Gi Lee, Yong-Mook Kang, and Kuk Young Cho  
Electrochem. Solid-State Lett. **13**, A55 (2010) Full Text: [ Read Online (HTML) Download PDF (476 kB) Purchase PDF
- Efficient Inverted Top-Emitting Organic Light Emitting Diodes with Transparent and Surface-Modified Multilayer Anodes  
Seung Yoon Ryu et al.  
Electrochem. Solid-State Lett. **13**, J43 (2010) Full Text: [ Read Online (HTML) Download PDF (411 kB) Purchase PDF
- Dynamical screening of the exciton resonance in conjugated polymers/carbon nanotubes composites  
Larry Lüer, Sajjad Hoseinkhani, Moreno Meneghetti, and Guglielmo Lanzani  
Phys. Rev. B **81**, 155411 (2010) Source Journal Link
- Impact of Nanotechnology on Future Civil Engineering Practice and Its Reflection in Current Civil Engineering Education  
Wei Zheng, Hui-Ru Shih, Karen Lozano, and Yi-Lung Mo  
Journal of Professional Issues in Engineering Education and Practice **1**, 21 (2010) Full Text: [ Download PDF (1382 kB) Purchase PDF
- Advanced step and flash nanoimprint lithography using UV-sensitive hard mask underlayer material  
S. Takei, T. Ogawa, R. Deschner, M. Hanabata, and C.G. Willson

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## 检索结果页面

[ Back to Search Query | Start New Search | Searching Hints ]

[ 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Next 25 | More Results ]

You were searching for : (nano <and> (micro <IN> (abstract,title,keywords)) [RSS](#) [?](#)

You found 1670 out of 6037 (500 returned) Documents 1 - 25 listed on this page

Refine your query if desired:

AND  in Abstract/Title/Keywords

Results Sorting Options

Show Most Recent First

Article Options  [View MyArticles](#) [View Cart](#)

**缩小检索范围到  
1670篇论文**

- Enhancing the sensitivity of a mass-based piezoresistive micro-electro-mechanical systems cantilever sensor**  
S.M. Firdaus, I.A. Azid, O. Sidek, K. Ibrahim, and M. Hussien  
Micro Nano Lett. 5, 85 (2010) Full Text: [ [Download PDF \(557 kB\)](#) ] [Purchase PDF](#)
- Rectennas performance based on substrates for bio-medical applications**  
Hargsoon Yoon, Frances Williams, Kyo D. Song, Sang Y. Yang, Jae Hwan Kim, Kunsik Lee, and Sang H. Choi  
Proc. SPIE 7646, 76460U (2010) Full Text: [ [Download PDF \(1445 kB\)](#) ] [Purchase PDF](#)
- Reconfigurable multivariable MEMS sensor array**  
Stephen van der Velden, Ian Powlesland, and Jugdutt Singh  
Proc. SPIE 7647, 76471X (2010) Full Text: [ [Download PDF \(1639 kB\)](#) ] [Purchase PDF](#)
- A voltage creep effect on actuation behavior of cellulose electro-active paper (EAPap)**  
Gyu-Young Yun, Joo-Hyung Kim, Jaehwan Kim, and Chulho Yang  
Proc. SPIE 7644, 76441S (2010) Full Text: [ [Download PDF \(7560 kB\)](#) ] [Purchase PDF](#)
- Comprehensive design and process flow configuration for micro and nano tech devices**  
Kai Hahn, Thilo Schmidt, Matthias Mielke, Dirk Ortloff, Jens Popp, and Rainer Brück  
Proc. SPIE 7646, 76461F (2010) Full Text: [ [Download PDF \(4030 kB\)](#) ] [Purchase PDF](#)



# APS数据库主页 (<http://publish.aps.org>)

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

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Referees

APS » Journals

### APS Journals Highlights

#### Announcement: PRB Editors' Suggestions

April 1, 2008

As a service to both our readers and authors, starting April 1 we will formally list a small number of papers published in *Physical Review B* that the editors and referees find of particular interest, importance, or clarity. These Editors' Suggestion papers will be listed on [prb.aps.org](http://prb.aps.org) and marked with a special icon in the print and online Tables of Contents and in online searches. The icon contains the printer's mark that appeared on the covers of all sections of the *Physical Review* until about a decade ago.

[More News/Announcements](#)

#### On PRL's Cover

March 28, 2008

Illustration of an earthquakelike model of friction, showing the interface between a solid block and a fixed substrate as the block is moved to the right.

Article Lookup   Journal Search   Site Search

Phys. Rev. Lett.

Phys. Rev. Lett. 101, 030401

Rev. Mod. Phys.

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- Milestone Letters
- Special Events

News, Announcements, and Editorials

# APS数据库平台浏览

## APS Journals

### Physical Review A

atomic, molecular, and optical physics

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APS » Journals » Physical Review A » Browse Volumes

## Browse Volumes

Select a volume to see the list of issues it contains.

**Volume 80** July - December 2009

**Issue 1** July 2009

**Volume 79** January - June 2009

**Issue 6** June 2009

**Issue 5** May 2009

**Issue 4** April 2009

**Issue 3** March 2009

**Issue 2** February 2009

**Issue 1** January 2009

**Volume 78** July - December 2008

**Volume 77** January - June 2008

**Volume 76** July - December 2007

**Volume 75** January - June 2007

**Volume 74** July - December 2006

**Volume 73** January - June 2006

**Volume 72** July - December 2005

**Volume 71** January - June 2005

**Volume 70** July - December 2004

#### News, Announcements, and Editorials

- APS seeks new PRB Assistant Editor (November 3, 2008)
- Editorial: APS now leaves copyright with authors for derivative works (October 1, 2008)
- Editorial: *Physics* - spotlighting exceptional research (September 15, 2008)
- Introducing *Physics* (July 17, 2008)
- New Feature: New Topical RSS Feeds Available (June 11, 2008)

More News

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#### Most cited articles from 1978

- 1 Dynamics of the charge-density wave. I. Impurity pinning in a single chain
- 2 Infinite-ranged models of spin-glasses
- 3 Ground state of the fermion one-component plasma: A Monte Carlo study in two and three dimensions
- 4 Proof that  $\partial E / \partial n_i = \epsilon$  in density-functional theory
- 5 Field-theory renormalization and critical dynamics above  $T_c$ : Helium, antiferromagnets, and liquid-gas systems
- 6 Critical indices from perturbation analysis of the Callan-Symanzik equation
- 7 Generalized Wigner lattices in one dimension and some applications to tetracyanoquinodimethane (TCNQ) salts

Physical Review A

(Atomic, Molecular, and Optical Physics)

June 2008


Volume 77, Number 6, partial issue

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PARTIAL TABLE OF CONTENTS

This issue has not yet been completed. Newly published articles are added on a daily basis.

Articles are listed below according to their six-digit article number. When citing these articles, the article number should be used instead of a page number; e.g., Phys. Rev. A 77, 060301 (2008).

 marks articles whose full text is available without a subscription. See the [FREE TO READ FAQ](#).

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RAPID COMMUNICATIONS

Quantum information

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[Entanglement detection beyond the computable cross-norm or realignment criterion](#)

Cheng-Jie Zhang, Yong-Sheng Zhang, Shun Zhang, and Guang-Can Guo

Published 2 June 2008 (4 pages)



APS » Journals » Phys. Rev. A » Volume 81 » Issue 4

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Phys. Rev. A 81, 040301(R) (2010) [4 pages]

## Tunable joint measurements in the dispersive regime of cavity QED

Abstract

References

No Citing Articles

Download [PDF](#) (479 kB) [Buy this article](#) Export: [BibTeX](#) or [EndNote \(RIS\)](#)

Kevin Lalumière<sup>1,\*</sup>, J. M. Gambetta<sup>2</sup>, and Alexandre Blais<sup>1</sup>

<sup>1</sup>*Département de Physique, Université de Sherbrooke, Sherbrooke, Québec, Canada, J1K 2R1*

<sup>2</sup>*Institute for Quantum Computing and Department of Physics and Astronomy, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1*



Received 27 November 2009; published 1 April 2010

Joint measurements of multiple qubits open new possibilities for quantum information processing. Here we present an approach based on homodyne detection to realize such measurements in the dispersive regime of cavity or circuit QED. By changing details of the measurement, the readout can be tuned from extracting only single-qubit to extracting only multiqubit properties. We obtain a reduced stochastic master equation describing this measurement and its effect on the qubits. As an example, we present results showing parity measurements of two qubits. In this situation, measurement of an initially unentangled state can yield, with near unit probability, a state of significant concurrence.

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URL: <http://link.aps.org/doi/10.1103/PhysRevA.81.040301>

DOI: [10.1103/PhysRevA.81.040301](https://doi.org/10.1103/PhysRevA.81.040301)

PACS: 03.67.Lx, 03.65.Yz, 42.50.Lc, 42.50.Pq

PHYSICAL REVIEW A, 66, 031402(R) (2002)

## Double photoionization of doubly excited helium

Liang Feng and Hugo W. van der Hart

*Department of Applied Mathematics and Theoretical Physics, Queen's University Belfast, Belfast BT7 1NN, United Kingdom*

(Received 19 February 2002; published 23 September 2002)

The  $R$ -matrix-Floquet technique for atoms in strong laser fields is extended to describe double photoionization by combining it with  $B$ -spline basis sets. One advantage of this extended  $R$ -matrix-Floquet approach is that the effects of the intense laser field on double photoionization can be taken into account nonperturbatively. The results agree with existing experimental and theoretical results for double photoionization of the ground state of He within 5% above a photon energy of 4.2 a.u. We further apply this approach to study double photoionization of the autoionizing  $2s^2\ ^1S^e$  state of He to demonstrate its capability in dealing with autoionization of the initial state and photoionization simultaneously.

DOI: 10.1103/PhysRevA.66.031402

PACS number(s): 32.80.Wr, 31.15.Ar, 32.80.Gc

Double photoionization provides a sensitive probe of the correlated motion of the electrons inside an atom. Obviously, in the absence of electron-electron interaction, a single photon could not eject two electrons out of an atom simultaneously. In the last decade, extensive experimental and the

independent one by using the Floquet-Fourier ansatz. We divide configuration space into an inner and an outer region. In the inner region, the full Hamiltonian including all interactions between all electrons is employed to determine the inner Floquet  $R$  matrix. In the outer region, the exchange in

## 链接到相关文献

APS » Phys. Rev. A » Volume 80 » Issue 1

[Next Article >](#)

Phys. Rev. A 80, 010101(R) (2009) [4 pages]


### Equation of motion for the process matrix: Hamiltonian identification and dynamical control of open quantum systems

[Abstract](#)

[References \(33\)](#)

[No Citing Articles](#)

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1. M. A. Nielsen and I. L. Chuang, *Quantum Computation and Quantum Information* (Cambridge University Press, Cambridge, England, 2000).
2. H. Rabitz et al., *Science* **288**, 824 (2000).
3. R. L. Kosut et al., e-print [arXiv:quant-ph/0411093](#).
4. D. W. Leung, Ph.D. thesis, Stanford University, 2000  
G. M. D'Ariano and P. Lo Presti, *Phys. Rev. Lett.* **86**, 4195 (2001). [ISI]
5. M. Mohseni and D. A. Lidar, *Phys. Rev. Lett.* **97**, 170501 (2006).
6. M. Mohseni and D. A. Lidar, *Phys. Rev. A* **75**, 062331 (2007). [ISI]
7. J. Emerson et al., *Science* **317**, 1893 (2007).
8. A. Bendersky et al., *Phys. Rev. Lett.* **100**, 190403 (2008).
9. M. Mohseni et al., *Phys. Rev. A* **77**, 032322 (2008).
10. M. Mohseni et al., *Phys. Rev. A* **77**, 042320 (2008).
11. H.-P. Breuer and F. Petruccione, *The Theory of Open Quantum Systems* (Oxford University Press, New York, 2003).



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The screenshot shows the APS Journals search page. The main header includes the APS logo and the text 'American Physical Society' and 'APS physics'. Below the header, there are navigation tabs for 'Article Lookup', 'Journal Search', and 'Site Search'. The search area includes a search box, a 'Go' button, and a dropdown menu with options like 'Abstract/title', 'Author', 'Full Record', etc. The search criteria section is annotated with red text: '期刊' (Journal) points to the journal selection checkboxes; '时间段' (Time Period) points to the decade selection checkboxes; '字段' (Field) points to the search criteria dropdowns; '文章类型' (Article Type) points to the category checkboxes; and '排序方式' (Sorting Method) points to the 'Sort by' dropdown menu. The 'Per page' dropdown is set to 25. A 'Search' button is at the bottom of the search area. On the right side of the page, there is a promotional banner for 'PRL Celebrates 50 Years' with a list of links for 'Editorials and Essays', 'PRL Timeline', 'Milestone Letters', and 'Special Events'.



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Walter J. Merz

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... a continuation of the normal piezoelectric effect above the Curie point into the Curie region...  
...explained as a continuation of the piezo- effect (d36), and the other strains are proportional to...  
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#### 2. Dimensionality of excitons in laser-diode structures composed of In<sub>x</sub>Ga<sub>1-x</sub>N multiple quantum wells

Yukio Narukawa, Yoichi Kawakami, Shigeo Fujita, and Shuji Nakamura

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...with temperature, the piezoelectric effect may not play an important role in this particular ...  
... the field is opposite to that of the piezo effect . 26 R. C. Miller, D. A. Kleinman, W. A. Nordland, ...

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Phys. Rev. B **59**, 10283 (1999)

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#### 3. Etch Patterns and Ferroelectric Domains in BaTiO<sub>3</sub> Single Crystals

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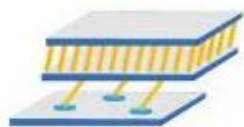
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Kevin Lalumière<sup>1,\*</sup>, J. M. Gambetta<sup>2</sup>, and Alexandre Blais<sup>1</sup>

<sup>1</sup>Département de physique, Université de Waterloo, Waterloo, Ontario, Canada, N2L 3G1

<sup>2</sup>Institute for Quantum Computing, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1


Joint measurements of the qubits are realized by single-qubit operations and measurements. Here we present an approach based on homodyne detection to extract the details of the measurement, the readout can be tuned from extracting only the information describing this measurement and its effect on the qubits. As an example, a measurement of an initially unentangled state can yield, with near unit probability, the state of the qubits.

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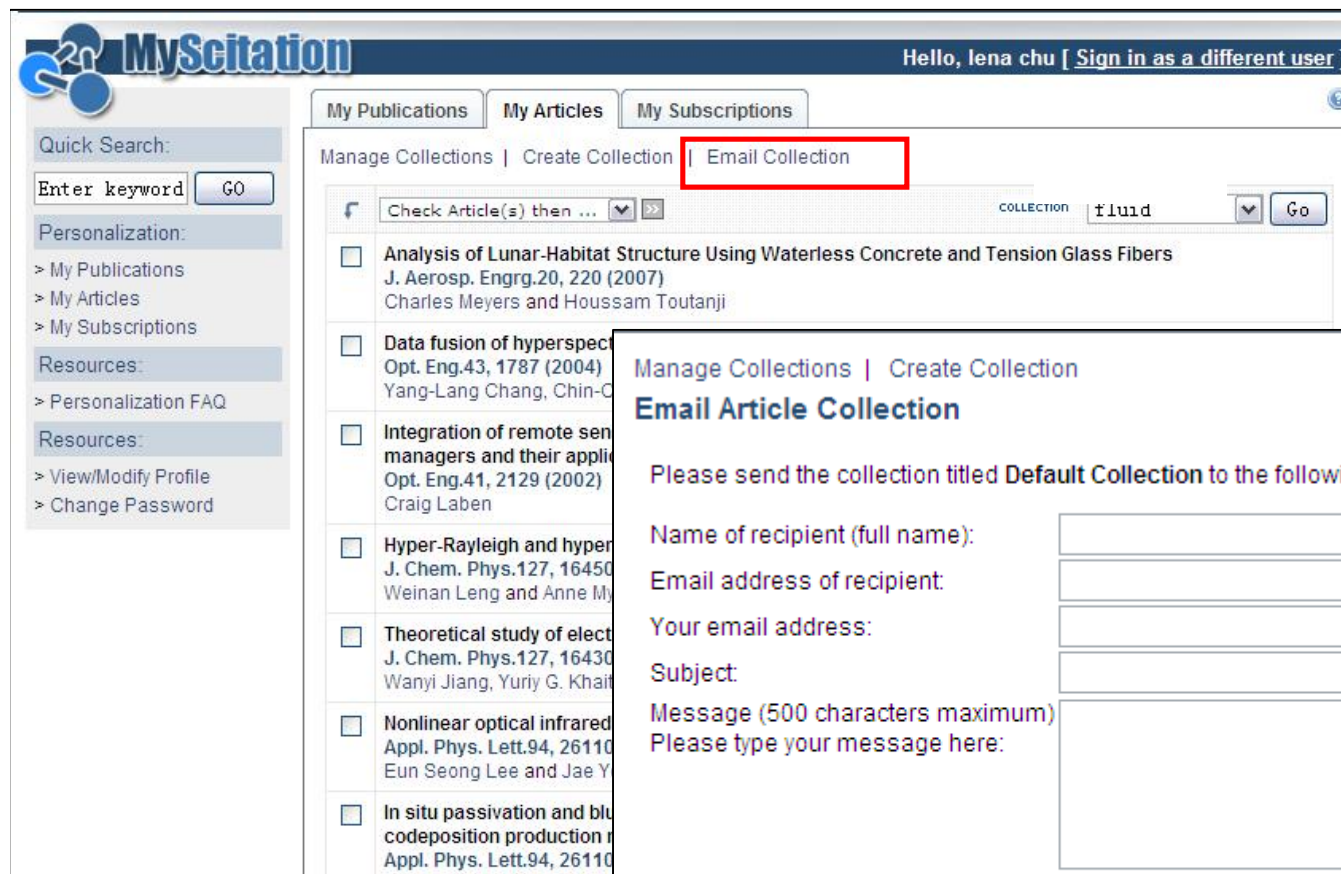
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