

APS (AMERICAN PHYSICAL SOCIETY) 이용 매뉴얼

신원데이터넷

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1. 출판사 소개 및 수록내용
2. APS 홈페이지 저널 이용방법
3. APS 홈페이지 저널 검색방법

□ 출판사 소개

- "To advance and diffuse the knowledge of physics"를 모토로 1899년 설립된 APS(AMERICAN PHYSICAL SOCIETY)는 전 세계에서 두 번째로 규모가 큰 물리학회로 가장 많이 인용되고 있는 Physical Review를 비롯하여 13종 이상의 저널을 출판하고 있으며, 매년 물리학 관련 20회 이상의 학술행사를 개최하고 있습니다.
- APS는 자체 플랫폼을 통해 저널을 제공하고 있으며, 이용자의 편의성을 고려하여 최상의 서비스를 제공하고자 노력하고 있습니다. APS에는 전세계 대학, 연구소 및 기업으로부터 51,000명 이상의 물리학자가 멤버가 활동하고 있습니다


□ 수록내용

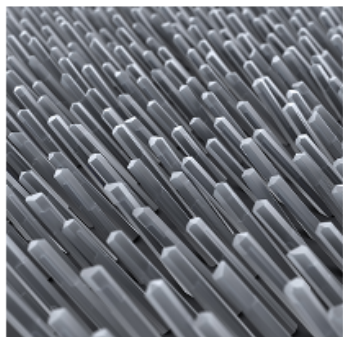
- 주제분야 : 일반 물리/응용물리 등 물리학
- 제공연도 : 1930 ~ 현재
- 제공종수 : 저널 13종
- URL: <http://www.aps.org/publications>

홈페이지 URL) [HTTP://JOURNALS.APS.ORG](http://JOURNALS.APS.ORG)

APS JOURNALS

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

[Our Journals](#) [Authors](#) [Referees](#) [Browse](#) [Search](#) [Press](#) 



APS Launches *Physical Review Materials*

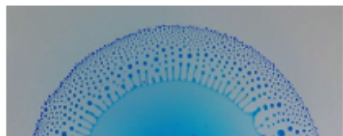
APS is excited to announce the launch of *Physical Review Materials*, the latest addition to the *Physical Review* family of journals. Targeted to start publishing in mid 2017, PRMaterials will provide a common publication and reference source to the expanding community of physicists, materials scientists, chemists, engineers, and researchers in related disciplines that carry out high-quality original research in materials.

PRFLUIDS EDITORIAL

Physical Review Fluids: The First Year and Beyond

January 31, 2017

Editors John Kim and Gary Leal discuss the past year of *Physical Review Fluids* and look forward to its promising future.



PRL ON THE COVER

Marangoni Bursting: Evaporation-Induced Emulsification of Binary Mixtures on a Liquid Layer

Announcements

Mildred Dresselhaus, 1930–2017

February 22, 2017

The editors mourn the passing of former APS President Mildred Dresselhaus.

Physical Review Fluids Indexed in the Web of Science

February 3, 2017

Physical Review Fluids has recently been indexed in the web of science.

Lead Editor, *Physical Review Applied*

February 1, 2017

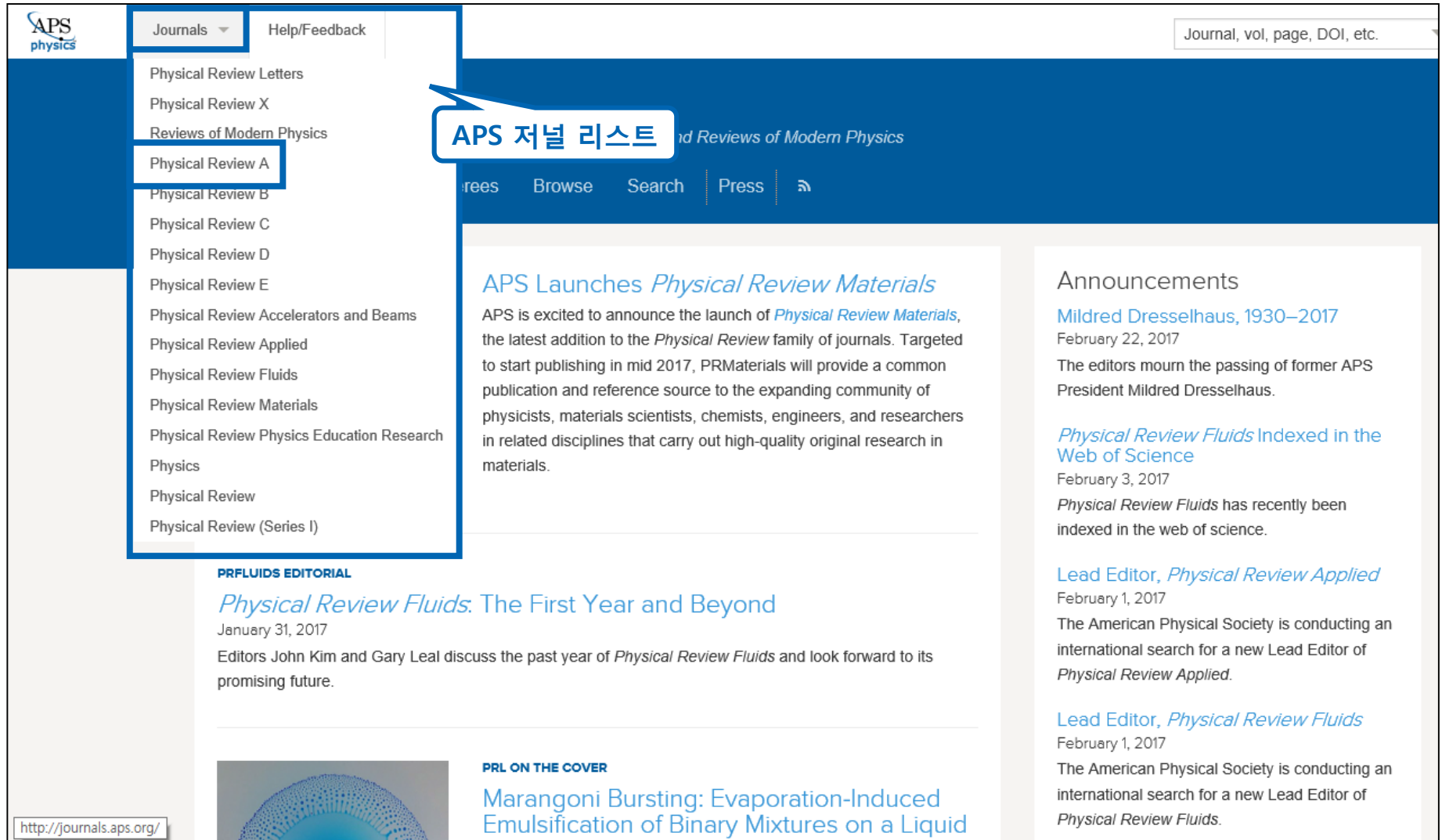
The American Physical Society is conducting an international search for a new Lead Editor of *Physical Review Applied*.

Lead Editor, *Physical Review Fluids*

February 1, 2017

The American Physical Society is conducting an international search for a new Lead Editor of *Physical Review Fluids*.

PHYSICAL REVIEW A 선택



The screenshot shows the APS Physics website interface. On the left, a navigation menu is open under the 'Journals' dropdown, listing various Physical Review journals. 'Physical Review A' is highlighted with a blue box. A callout bubble points to this menu with the text 'APS 저널 리스트'. The main content area features a blue header with navigation links (Home, Browse, Search, Press) and a search bar. Below the header, there are several articles. The first article is titled 'APS Launches *Physical Review Materials*' and discusses the launch of a new journal. The second article is titled 'Announcements' and includes news about Mildred Dresselhaus and the indexing of *Physical Review Fluids*. At the bottom, there is a section for 'PRFLUIDS EDITORIAL' with an article about *Physical Review Fluids* and a 'PRL ON THE COVER' section featuring a blue and white image of a liquid surface.

APS physics

Journals ▾ Help/Feedback

Physical Review Letters

Physical Review X

Reviews of Modern Physics

Physical Review A

Physical Review B

Physical Review C

Physical Review D

Physical Review E

Physical Review Accelerators and Beams

Physical Review Applied

Physical Review Fluids

Physical Review Materials

Physical Review Physics Education Research

Physics

Physical Review

Physical Review (Series I)

APS 저널 리스트

Journal, vol, page, DOI, etc.

Home Browse Search Press

APS Launches *Physical Review Materials*

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Announcements

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PRFLUIDS EDITORIAL

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PRL ON THE COVER

[Marangoni Bursting: Evaporation-Induced Emulsification of Binary Mixtures on a Liquid](#)

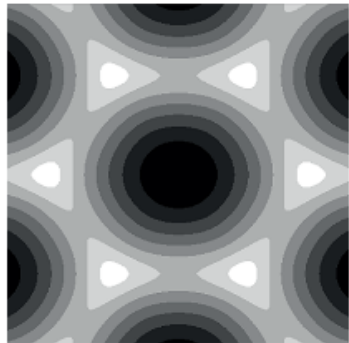
<http://journals.aps.org/>

PHYSICAL REVIEW A 선택

PHYSICAL REVIEW A

covering atomic, molecular, and optical physics and quantum information

Highlights Recent Accepted Authors Referees Search Press About



KALEIDOSCOPE

Geometrical
dynamics in

February 7, 2017

Nguyen Thanh P

Phys. Rev. A 95,

More Kaleidoscopes

Highlights – Editor 추천 Title
Recent – 최신 아티클
Authors – 저자를 위한 정보
Referees – 추천인을 위한 정보
Search - 검색
About – 저널 상세 정보

Current Issue

Vol. 95, Iss. 2 — February 2017

View Current Issue

현재 Issue 보기

Previous Issues

Vol. 95, Iss. 1 — January 2017

Vol. 94, Iss. 6 — December 2016

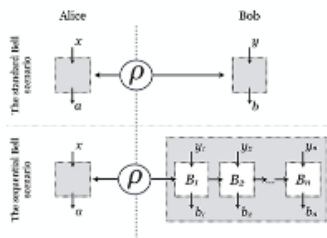
Vol. 94, Iss. 5 — November 2016

Vol. 94, Iss. 4 — October 2016

Browse All Issues »

이전 Issue 보기

전체 Issue 보기



EDITORS' SUGGESTION

Unbounded randomness certification using sequences of measurements

A scheme for certifying an unbounded amount of random bits from a single pair of entangled qubits is proposed in the scenario where one of the qubits is subjected to a sequence of nonprojective measurements, which supersedes the limit of the finite amount of randomness that can be certified in a traditional two-party, single-measurement Bell scenario.

F. J. Curchod *et al.*

Meet The Editors

APS March Meeting

March 13-17

New Orleans, LA

Thomas Pattard

원문 열람

PHYSICAL REVIEW A

covering atomic, molecular, and optical physics and quantum information

Highlights Recent Accepted Authors Referees Search Press About

Editors' Suggestion

Rapid Communication

Unbounded randomness certification using sequences of measurements

F. J. Curchod, M. Johansson, P. Augustiak, M. J. Hoban, P. Wittek, and A. Acín
Phys. Rev. A **95**, 022111 (2017)

레퍼런스 정보

인용 정보

Article

References

No Citing Articles

Supplemental Material

PDF

HTML

Export Citation

Abstract/저자 정보

원문 PDF, HTML 보기

Unpredictability, or randomness, of the outcomes of measurements made on an entangled state can be *certified* provided that the statistics violate a Bell inequality. In the standard Bell scenario where each party performs a single measurement on its share of the system, only a finite amount of randomness, of at most $4 \log_2 d$ bits, can be certified from a pair of entangled particles of dimension d . Our work shows that this fundamental limitation can be overcome using sequences of (nonprojective) measurements on the same system. More precisely, we prove that one can certify *any* amount of random bits from a pair of qubits in a pure state as the resource, even if it is arbitrarily weakly entangled. In addition, this certification is achieved by near-maximal violation of a particular Bell inequality for each measurement in the sequence.

Issue

Vol. 95, Iss. 2 — February 2017

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3. APS 홈페이지 저널 검색방법

TITLE 검색

The screenshot shows the APS JOURNALS homepage. At the top left is the APS physics logo. Navigation links include Journals, Help/Feedback, Our Journals, Authors, Referees, Browse, Search, and Press. A search bar at the top right contains the placeholder text 'Journal, vol, page, DOI, etc.' and a magnifying glass icon. A blue banner below the navigation bar reads 'APS JOURNALS' followed by 'Physical Review Letters, Physical Review X, Physical Review, and Reviews of Modern Physics'. A 'Search' button is highlighted in the navigation bar. A search modal is open, showing three search methods: 'All Fields' search, 'Article Lookup' (paste citation or DOI), and 'Enter a citation' (journal, volume, and article). Annotations with callouts point to the search bar and the 'Search' button in the navigation bar.

Journal, vol, page, DOI, etc.

검색 키워드 삽입
키워드 예시 : Plasma

Search 클릭

▼클릭 시 상세 검색 가능

Search

All Fields

Search

Article Lookup

Paste a citation or DOI

e.g. Phys. Rev. Lett. 111, 012345

Lookup

Enter a citation

Journal:

Phys. Rev. Lett.

Volume:

Article:

Lookup

3. APS 홈페이지 저널 검색방법

TITLE 검색

검색 필드 설정

All Fields
Author
Abstract
Abstract/Title
Title
Cited Author
Affiliation
Collaboration

plasma

Search

Sort By: Most Relevant

검색 키워드 삽입
키워드 예시 : Plasma

Filters

최신순, 관련순, 과거순, 인용순 정렬

Date:

☒ Any time ☐ Past Week ☐ Past Month ☐ Past Year ☐ Custom Range

검색 기간 설정

저널 설정

Journals: Clear

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Phys. Rev. Lett. | <input type="checkbox"/> Phys. Rev. X | <input type="checkbox"/> Rev. Mod. Phys. | <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. Accel. Beams | <input type="checkbox"/> Phys. Rev. Applied | <input type="checkbox"/> Phys. Rev. Fluids | <input type="checkbox"/> Phys. Rev. Phys. Educ. Res. |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Phys. Rev. | <input type="checkbox"/> Phys. Rev. (Series I) | <input type="checkbox"/> Phys. Rev. Focus |

Category: Clear

- ☐ Featured in Physics ☐ Editors' Suggestion ☐ Open Access ☐ PRL Milestone

카테고리 설정

검색 결과

Results / **1-20 of 38,373** 검색 결과 값

You searched for **plasma** 검색 키워드

Sort

- Most Recent** 최신순, 관련순, 과거순, 인용순 정렬
- Most Relevant
- Oldest First
- Most Cited

Results Per Page

20

Category

- ☒ ALL (38,373)
- ☐ Featured in Physics (343)
- ☐ Editors' Suggestion (775)
- ☐ Open Access (1,200)
- ☐ PRL Milestone (1)

Article Type

- ☒ ALL (38,373)
- ☐ Announcement (3)

원문 PDF, HTML 보기

Abstract 보기

카테고리 별, 아티클 타입 별 분류 가능

PR 12 citations PDF HTML

H. Meyer, S. Klose, E. Pasch, and G. Fussmann
Phys. Rev. E **61**, 4347 (2000) - Published 1 April 2000
[Show Abstract +](#)

PR 64 citations PDF HTML

Plasma-Electron Resonance, Plasma Resonance and Plasma Shape
Lewi Tonks
Phys. Rev. **38**, 1219 (1931) - Published 15 September 1931
[Show Abstract +](#)

PRL 55 citations PDF HTML

Plasma Centrifuge
M. Krishnan, M. Geva, and J. L. Hirshfield
Phys. Rev. Lett. **46**, 36 (1981) - Published 5 January 1981
[Show Abstract +](#)

13 citations PDF HTML

감사합니다.



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