

APS (AMERICAN PHYSICAL SOCIETY) 이용 매뉴얼

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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

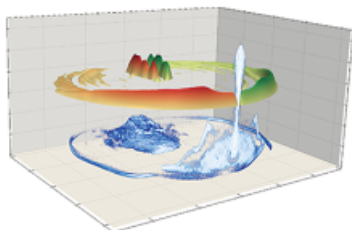
- 주제분야 : 일반 물리/응용물리 등 물리학
- 제공연도 : 1930 ~ 현재
- 제공종수 : 저널 13종
- URL: <http://www.aps.org/publications>

홈페이지 URL) [HTTPS://JOURNALS.APS.ORG/](https://journals.aps.org/)

PHYSICAL REVIEW JOURNALS

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PRL ON THE COVER

THz Generation from Relativistic Plasmas Driven by Near- to Far-Infrared Laser Pulses

December 24, 2019

Density map for the three distinct populations of electrons past the plasma-vacuum boundary (blue colormap) and the coherent transition radiation magnetic field generated by the escaping electrons (green-red colormap).

J. Déchard, X. Davoine, and L. Bergé

Phys. Rev. Lett. **123**, 264801 (2019)

[Issue 26 Table of Contents](#) | [More Covers](#)

PRAPPLIED EDITORIAL

Editorial: It's Already Been Five Years!

January 2, 2020

Editor Steve Forrest discusses *Physical Review Applied's* first five years and looks forward to its future.

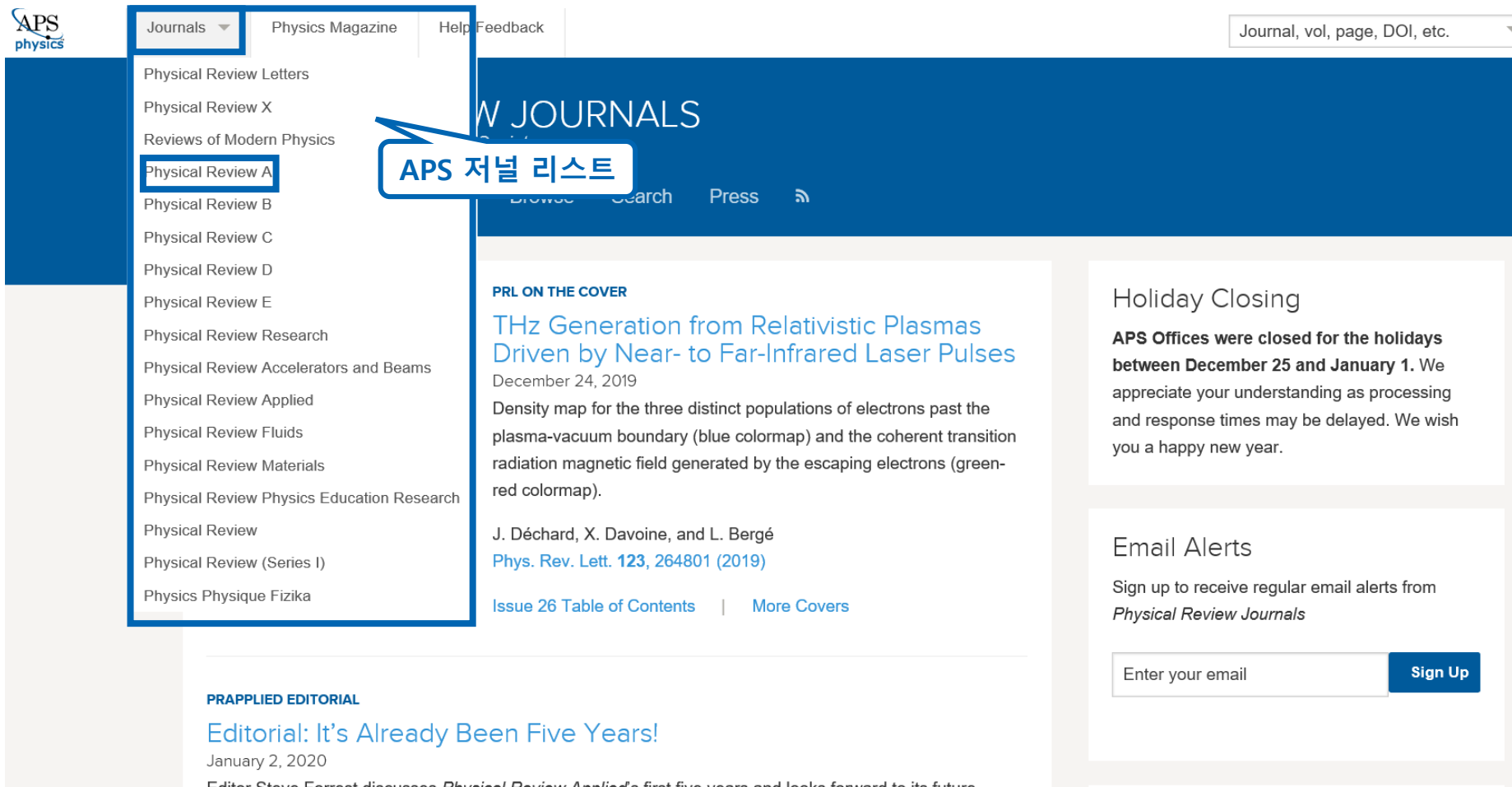
Holiday Closing

APS Offices were closed for the holidays between December 25 and January 1. We appreciate your understanding as processing and response times may be delayed. We wish you a happy new year.

Email Alerts

Sign up to receive regular email alerts from *Physical Review Journals*

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 journals. 'Physical Review A' is highlighted with a blue box. A callout bubble with a blue border and white background points to this menu item, containing the text 'APS 저널 리스트'. The main content area features a blue header with 'NEW JOURNALS' and navigation links for 'Browse', 'Search', and 'Press'. Below the header, there is a featured article section titled 'PRL ON THE COVER' with the article title 'THz Generation from Relativistic Plasmas Driven by Near- to Far-Infrared Laser Pulses'. The article includes the date 'December 24, 2019', a brief description, and the authors 'J. Déchard, X. Davoine, and L. Bergé'. Below the article, there are links for 'Issue 26 Table of Contents' and 'More Covers'. To the right of the featured article, there is a 'Holiday Closing' notice and an 'Email Alerts' sign-up section with an input field and a 'Sign Up' button.

APS physics

Journals ▾ Physics Magazine Help Feedback

Journal, vol, page, DOI, etc. ▾

PHYSICAL REVIEW A

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 Research

Physical Review Accelerators and Beams

Physical Review Applied

Physical Review Fluids

Physical Review Materials

Physical Review Physics Education Research

Physical Review

Physical Review (Series I)

Physics Physique Fizika

NEW JOURNALS

Browse Search Press

PRL ON THE COVER

THz Generation from Relativistic Plasmas Driven by Near- to Far-Infrared Laser Pulses

December 24, 2019

Density map for the three distinct populations of electrons past the plasma-vacuum boundary (blue colormap) and the coherent transition radiation magnetic field generated by the escaping electrons (green-red colormap).

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[Phys. Rev. Lett. 123, 264801 \(2019\)](#)

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PRAPPLIED EDITORIAL

Editorial: It's Already Been Five Years!

January 2, 2020

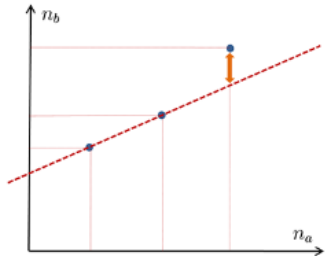
Editor Steve Eggert discusses *Physical Review Applied's* first five years and looks forward to its future.

PHYSICAL REVIEW A 선택

PHYSICAL REVIEW A

covering atomic, molecular, and optical physics and quantum information

- Highlights
- Recent
- Accepted
- Authors
- Referees
- Search
- Press
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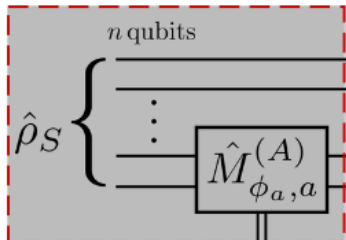
EDITORS' SUGGESTION

Nonlinear B-like, and

Nonlinear effects structure transition through large-scale nonlinearities are previous estimates in comparable systems. This work could be important for the identification of possible nonlinearities originating from physics beyond the standard model.

V. A. Yerokhin *et al.*
 Phys. Rev. A **101**, 012502 (2020)

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



EDITORS' SUGGESTION

Optimizing measurement strengths for qubit quasiprobabilities behind out-of-time-ordered correlators

Quasiprobability distributions for out-of-time-ordered correlators are a robust witness of information scrambling, being very relevant to the study of quantum many-body physics, but typically hard to measure. Here a dramatically simplified scheme is presented for the case of

Current Issue

Vol. 101, Iss. 1 — January 2020

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현재 Issue 보기

Previous Issues

- Vol. 100, Iss. 6 — December 2019
- Vol. 100, Iss. 5 — November 2019
- Vol. 100, Iss. 4 — October 2019
- Vol. 100, Iss. 3 — September 2019

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이전 Issue 보기

전체 Issue 보기

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원문 열람

PHYSICAL REVIEW A

covering atomic, molecular, and optical physics and quantum information

Highlights Recent Accepted Authors Referees Search Press About

Editors' Suggestion

Nonlinear isotope-shift effects in Be-like, B-like, and C-like argon

V. A. Yerokhin, R. A. Müller, A. Surzhykov, P. Micke, and P. O. Schmidt
Phys. Rev. A **101**, 014501 (2020)



레퍼런스 정보

인용 정보

Article

References

No Citing Articles

PDF

HTML

Export Citation

Abstract/저자 정보

원문 PDF, HTML 보기

ABSTRACT

Violation of linearity of the King plot is investigated for a chain of partially stripped argon isotopes. The nonlinearity originates within the standard model from subtle contributions to the isotope shifts from next-to-leading order effects, which have never been systematically studied so far. In light atoms these nonlinear effects are dominated by the quadratic nuclear recoil ($\propto 1/M^2$, where M is the nuclear mass). Large-scale relativistic calculations of the linear and quadratic mass shift and the field shift are performed for the $2P$ fine-structure transitions in Be-like, B-like, and C-like argon ions. Nonlinearities of the King plots from 5 to 30 kHz are found, which is four orders of magnitude larger than previous estimates in comparable systems. Accurate calculations of these effects are vital for identification of possible nonlinearities originating from physics beyond the standard model.

Issue

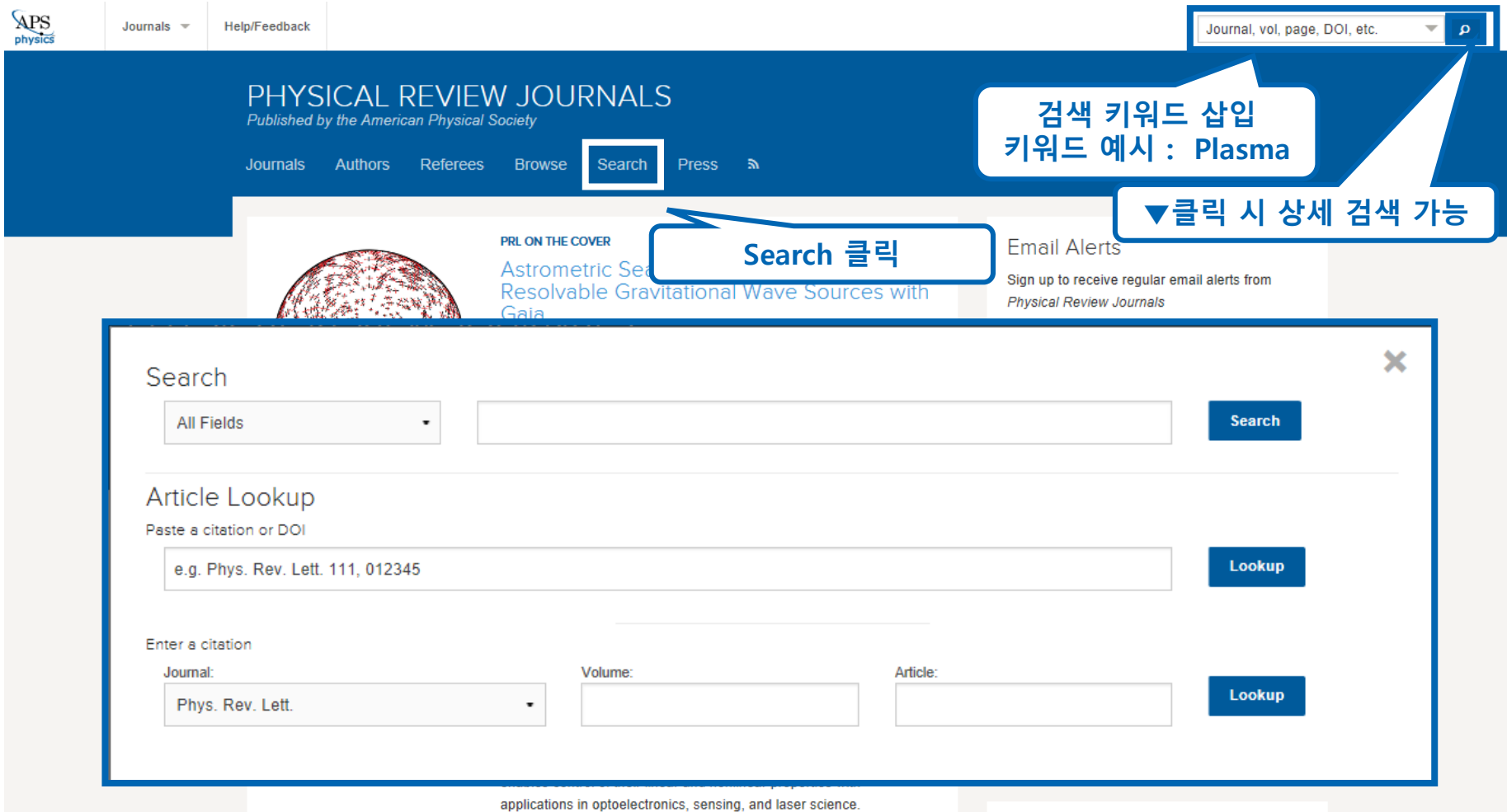
Vol. 101, Iss. 1 — January 2020



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3. APS 홈페이지 저널 검색방법

TITLE 검색



The screenshot shows the APS website search interface. At the top right, there is a search bar with the placeholder text "Journal, vol, page, DOI, etc." and a magnifying glass icon. A callout bubble points to this bar with the text "검색 키워드 삽입 키워드 예시 : Plasma". Below the navigation bar, the "Search" button is highlighted with a callout bubble that says "Search 클릭". To the right of the search bar, there is a callout bubble that says "▼클릭 시 상세 검색 가능". The main content area features a featured article titled "PRL ON THE COVER Astrometric Search for Resolvable Gravitational Wave Sources with Gaia". Below the main content, a search modal is displayed with three sections: "Search" with a dropdown menu set to "All Fields" and a "Search" button; "Article Lookup" with a text input field containing "e.g. Phys. Rev. Lett. 111, 012345" and a "Lookup" button; and "Enter a citation" with fields for "Journal:" (set to "Phys. Rev. Lett."), "Volume:", and "Article:", each followed by a "Lookup" button.

applications in optoelectronics, sensing, and laser science.

3. APS 홈페이지 저널 검색방법

TITLE 검색

검색 필드 설정 -
전체분야/저자/서지정보/Title/인용저자/소속/공동연구

All Fields Search keywords + Search

Most Recent

검색 결과 정렬 방법 - 최신순, 관련순, 과거순, 인용순

검색 키워드 삽입
키워드 예시 : Plasma

Filters

Date:
 Any time Past Week Past Month Past Year Custom Range

검색 기간 설정

Journal:

- | | | | |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------|------------------------------------------------|
| <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. Materials |
| <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 | <input type="checkbox"/> Physics Physique Fizika | | |

저널 설정

Category:

- Featured in Physics Editors' Suggestion Open Access PRL Milestone

카테고리 설정

검색 결과

Results **1-20 of 44,459**

검색 결과 수치

You searched for **Plasma**

검색 키워드

- Sort
- Most Recent
 - Most Relevant
 - Oldest First
 - Most Cited

최신순, 관련순, 과거순, 인용순 정렬

Results Per Page

10

Show Abstract +

Abstract 보기

PDF HTML

원문 PDF, HTML 보기

- PhySH Concept
- ALL (44,459)
 - Optics & lasers (990)
 - Relativistic heavy-ion collisions (874)
 - 3-dimensional systems (682)
 - Quantum field theory (668)
 - Optical & microwave phenomena (593)
 - Strong interaction (586)
 - Atomic & molecular processes in external fields (566)
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PhySH : Physical Subject Headings
PhySH컨셉, 분야, 카테고리, 아티클 타입, 저널 별 분류 가능

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