

# APS

(American Physical Society)

이용매뉴얼

신원데이터넷

[info@shinwon.co.kr](mailto:info@shinwon.co.kr)

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.

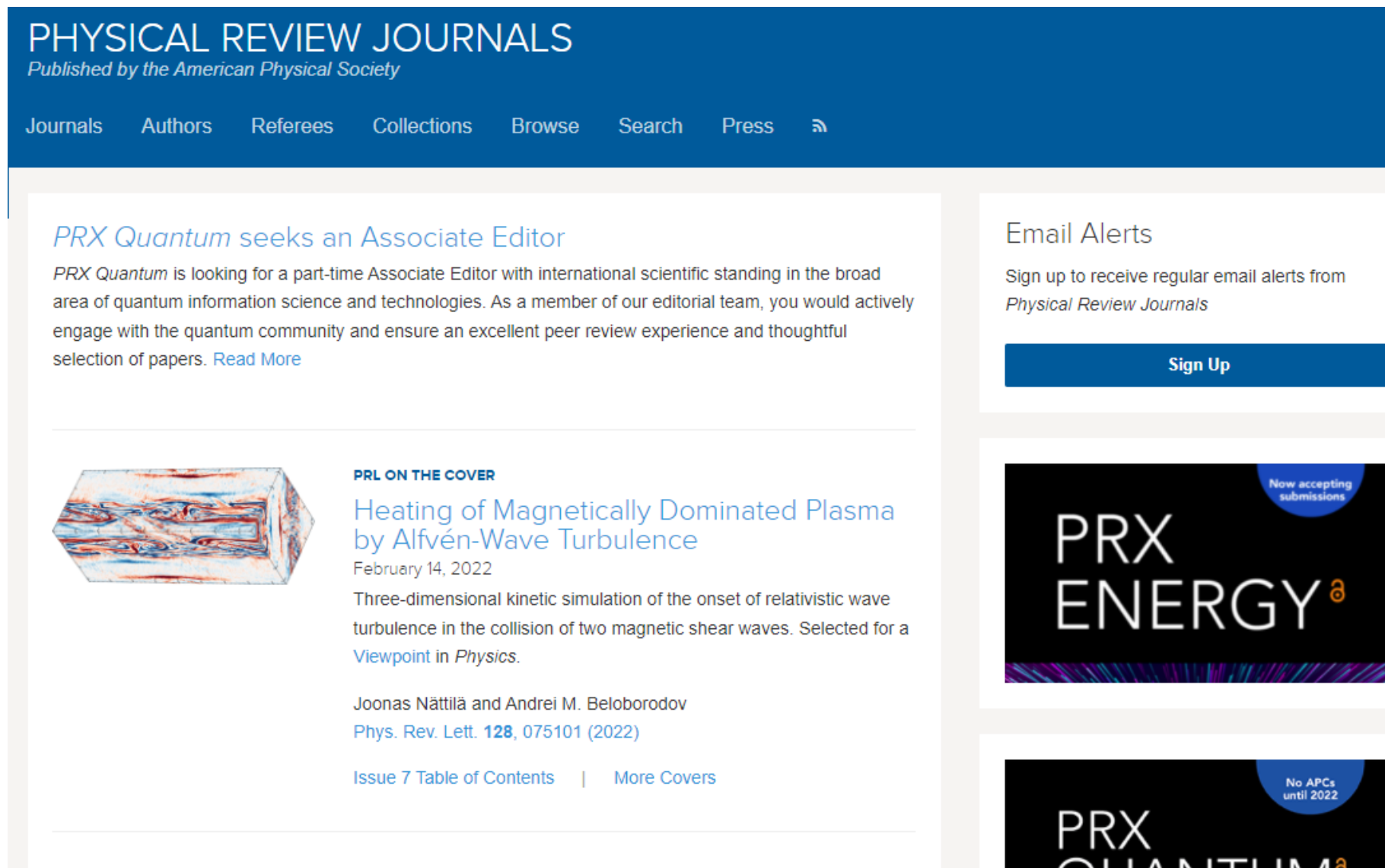
APS는 자체 플랫폼을 통해 저널을 제공하고 있으며, 이용자의 편의성을 고려하여 최상의 서비스를 제공하고자 노력하고 있습니다. APS에는 전세계 대학, 연구소 및 기업으로부터 51,000명 이상의 물리학자가 멤버가 활동하고 있습니다.

## □ 수록내용

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

## 2. APS 홈페이지 저널 이용방법

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



The screenshot shows the homepage of Physical Review Journals. The header is dark blue with the title 'PHYSICAL REVIEW JOURNALS' and the subtitle 'Published by the American Physical Society'. Below the header is a navigation menu with links for Journals, Authors, Referees, Collections, Browse, Search, and Press. The main content area is divided into two columns. The left column features a job announcement for 'PRX Quantum seeks an Associate Editor' and a featured article titled 'Heating of Magnetically Dominated Plasma by Alfvén-Wave Turbulence' with a 3D visualization of plasma. The right column contains an 'Email Alerts' sign-up section and two journal covers: 'PRX ENERGY' and 'PRX QUANTUM'.

### PHYSICAL REVIEW JOURNALS

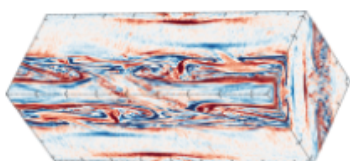
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Journals Authors Referees Collections Browse Search Press

#### PRX Quantum seeks an Associate Editor

PRX Quantum is looking for a part-time Associate Editor with international scientific standing in the broad area of quantum information science and technologies. As a member of our editorial team, you would actively engage with the quantum community and ensure an excellent peer review experience and thoughtful selection of papers. [Read More](#)

#### PRL ON THE COVER



### Heating of Magnetically Dominated Plasma by Alfvén-Wave Turbulence

February 14, 2022

Three-dimensional kinetic simulation of the onset of relativistic wave turbulence in the collision of two magnetic shear waves. Selected for a *Viewpoint* in *Physics*.

Joonas Näätälä and Andrei M. Beloborodov  
*Phys. Rev. Lett.* **128**, 075101 (2022)

[Issue 7 Table of Contents](#) | [More Covers](#)

#### Email Alerts

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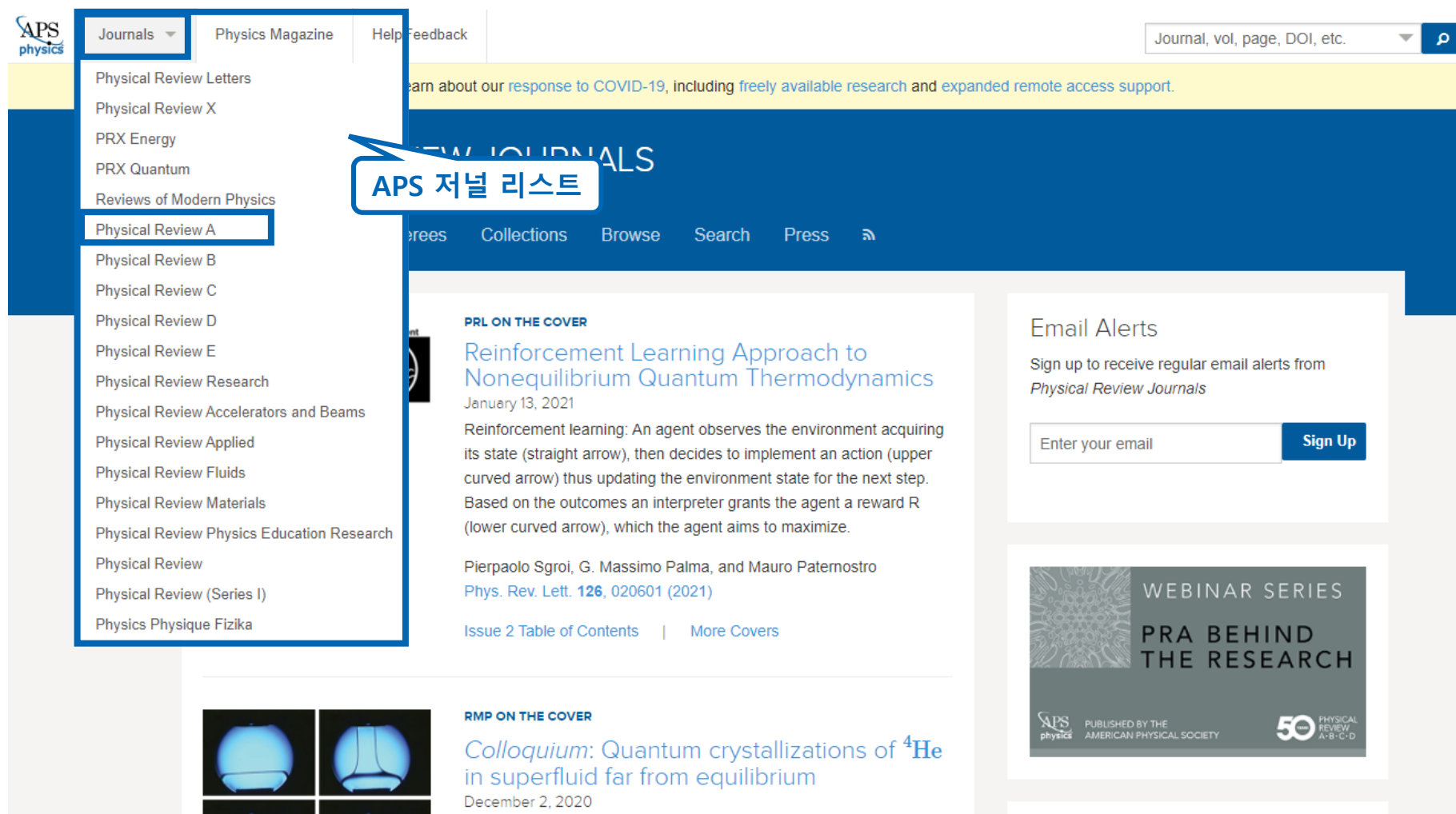
### PRX ENERGY

Now accepting submissions

### PRX QUANTUM

No APCs until 2022

### PHYSICAL REVIEW A 선택



APS physics Journals Physics Magazine Help Feedback

Journal, vol, page, DOI, etc.

Learn about our response to COVID-19, including freely available research and expanded remote access support.

### NEW JOURNALS

Articles Collections Browse Search Press

**APS 저널 리스트**

- Physical Review Letters
- Physical Review X
- PRX Energy
- PRX Quantum
- 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

**PRL ON THE COVER**

#### Reinforcement Learning Approach to Nonequilibrium Quantum Thermodynamics

January 13, 2021

Reinforcement learning: An agent observes the environment acquiring its state (straight arrow), then decides to implement an action (upper curved arrow) thus updating the environment state for the next step. Based on the outcomes an interpreter grants the agent a reward  $R$  (lower curved arrow), which the agent aims to maximize.

Pierpaolo Sgroi, G. Massimo Palma, and Mauro Paternostro  
Phys. Rev. Lett. **126**, 020601 (2021)

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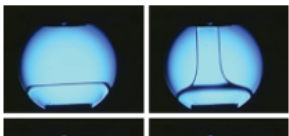
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**WEBINAR SERIES**

#### PRA BEHIND THE RESEARCH

APS physics PUBLISHED BY THE AMERICAN PHYSICAL SOCIETY 50 PHYSICAL REVIEW A-B-C-D

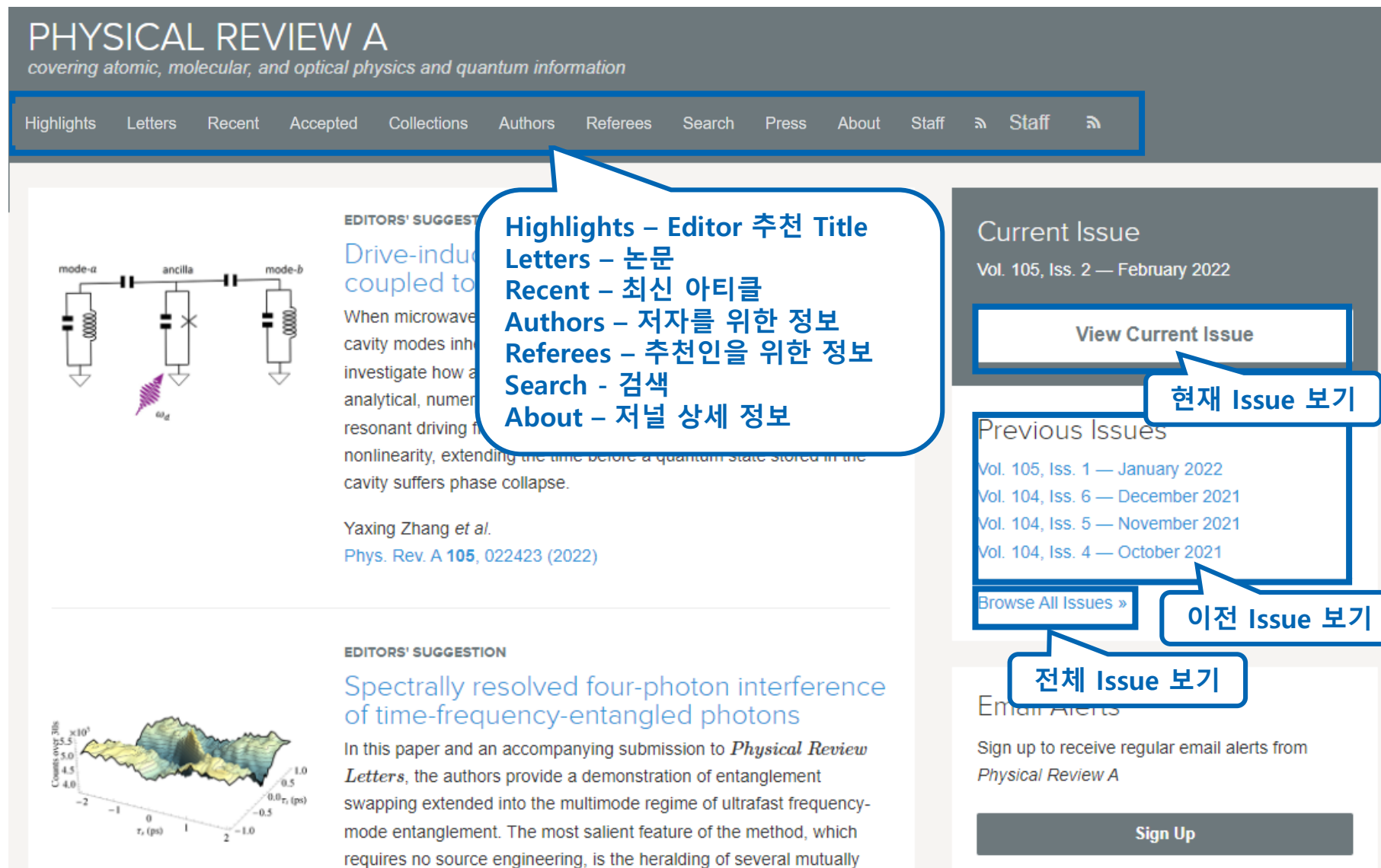
**RMP ON THE COVER**



#### Colloquium: Quantum crystallizations of $^4\text{He}$ in superfluid far from equilibrium

December 2, 2020

### PHYSICAL REVIEW A 선택



**PHYSICAL REVIEW A**  
covering atomic, molecular, and optical physics and quantum information

Highlights Letters Recent Accepted Collections Authors Referees Search Press About Staff Staff

**EDITORS' SUGGESTION**  
**Drive-induced phase collapse in a cavity coupled to an ancilla**  
When microwave cavity modes interact with an ancilla mode, they can investigate how a quantum state stored in the cavity changes. This is an analytical, numerical, and experimental study of a resonant driving field. The nonlinearity, extending the time before a quantum state stored in the cavity suffers phase collapse.

Yaxing Zhang *et al.*  
*Phys. Rev. A* **105**, 022423 (2022)

**EDITORS' SUGGESTION**  
**Spectrally resolved four-photon interference of time-frequency-entangled photons**  
In this paper and an accompanying submission to *Physical Review Letters*, the authors provide a demonstration of entanglement swapping extended into the multimode regime of ultrafast frequency-mode entanglement. The most salient feature of the method, which requires no source engineering, is the heralding of several mutually

**Current Issue**  
Vol. 105, Iss. 2 — February 2022  
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Vol. 105, Iss. 1 — January 2022  
Vol. 104, Iss. 6 — December 2021  
Vol. 104, Iss. 5 — November 2021  
Vol. 104, Iss. 4 — October 2021  
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### 원문 열람



**PHYSICAL REVIEW A**  
*covering atomic, molecular, and optical physics and quantum information*

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Editors' Suggestion

### Estimating the gradient and higher-order derivatives on quantum hardware

Andrea Mari, Thomas ...  
Phys. Rev. A **103**, 0...

**레퍼런스 정보**

**인용 정보**

Article References No Citing Articles PDF HTML Export Citation

**Abstract/저자 정보**

**원문 PDF, HTML 보기**

**타 플랫폼 공유 횟수/공유하기**

Issue  
Vol. 103, Iss. 1 — January 2021

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# 3. APS 홈페이지 저널 검색방법

## TITLE 검색

The screenshot shows the APS Physics website search page. The main navigation bar includes 'Journals', 'Authors', 'Referees', 'Browse', and 'Search'. A search box at the top right contains the text 'Journal, vol, page, DOI, etc.'. The main content area features a search bar with the text 'All Fields 검색 필드 선택 Search keywords 검색어 입력' and a 'Search' button. Below the search bar is a dropdown menu for 'Most Recent 검색 결과 정렬 방법 선택'. The 'Filters' section includes a 'Date: 검색 기간 선택' section with radio buttons for 'Any time', 'Past Week', 'Past Month', 'Past Year', and 'Custom Range'. The 'Journal: 저널 선택' section lists various journals with checkboxes, including Phys. Rev. Lett., Phys. Rev. A, Phys. Rev. E, Phys. Rev. Fluids, Phys. Rev., Phys. Rev. X, Phys. Rev. B, Phys. Rev. Research, Phys. Rev. Materials, Phys. Rev. (Series I), PRX Quantum, Phys. Rev. C, Phys. Rev. Accel. Beams, Phys. Rev. Phys. Educ. Res., Phys. Rev. Focus, Rev. Mod. Phys., Phys. Rev. D, Phys. Rev. Applied, Physics, and Physics Physique Fizika. The 'Category: 카테고리 선택' section includes checkboxes for 'Featured in Physics', 'Editors' Suggestion', 'Open Access', and 'Milestone'. A 'Search' button is located at the bottom of the filter section.

Annotations in Korean:

- Search 클릭 시 상세검색 가능 (Click Search for detailed search)
- 일반 검색 (General search)
- 검색 필드 선택 (Select search field)
- 검색어 입력 (Enter search term)
- 검색 결과 정렬 방법 선택 (Select search result sorting method)
- 검색 기간 선택 (Select search period)
- 저널 선택 (Select journal)
- 카테고리 선택 (Select category)



# 3. APS 홈페이지 저널 검색방법

## 검색 결과: 예-PLASMA 검색

Results 1-20 of 51,609 **총 검색 결과**

You searched for **plasma** **검색 키워드**

Sort: **검색 결과 정렬 방법 선택: 최신순, 관련순, 과거순, 인용순 정렬**

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

20

**PhySH Concept**

- ALL (51,609)
- Optics & lasers (2,194)
- Relativistic heavy-ion collisions (1,716)
- Quantum field theory (1,395)
- 3-dimensional systems (1,357)
- Optical & microwave phenomena (1,317)
- Cosmology (1,216)
- Atomic & molecular processes in external fields (1,189)

Show More

**Abstract 보기**

**원문 PDF, HTML 보기**

**PhySH 컨셉 분야, 카테고리, 아티클 타입, 저널 별 분류 가능**  
**\*PhySH : Physical Subject Headings**

**Observation of 2D Cherenkov Radiation**  
Yuval Adiv, Hao Hu, Shai Tsesses, Raphael Dahan, Kangpeng Wang, Yaniv Kurman, Alexey Gorlach, Hongsheng Chen, Xiao Lin, Guy Bartal, and Ido Kaminker  
Phys. Rev. X **13**, 011002 (2023) - Published 6 January 2023

**PRRESEARCH**

**Variance induced decoupling of spin, lattice, and charge ordering in perovskite nickelates**  
Alessandro R. Mazza, Shree Ram Acharya, Patryk Wąsik, Jason Lapano, Jiemin Li, Brianna L. Musico, Veerle Keppens, Christopher T. Nelson, Andrew F. May, Matthew Brahlek, Claudio Mazzoli, Jonathan Pellicciari, Valentina Bisogni, Valentino R. Cooper, and T. Zac Ward

**Electron Polarization in Ultrarelativistic Plasma Current Filamentation Instabilities**  
Zheng Gong, Karen Z. Hatsagortsyan, and Christoph H. Keitel  
Phys. Rev. Lett. **130**, 015101 (2023) - Published 6 January 2023

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**신원데이터넷**

**<http://www.shinwon.co.kr>**

**TEL 02-326-3535**

**E-mail info@shinwon.co.kr**