

AIP (AMERICAN INSTITUTE OF PHYSICS) 매뉴얼

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1. 출판사 소개
2. AIP Publishing 플랫폼 소개
3. AIP Publishing 콘텐츠 이용방법

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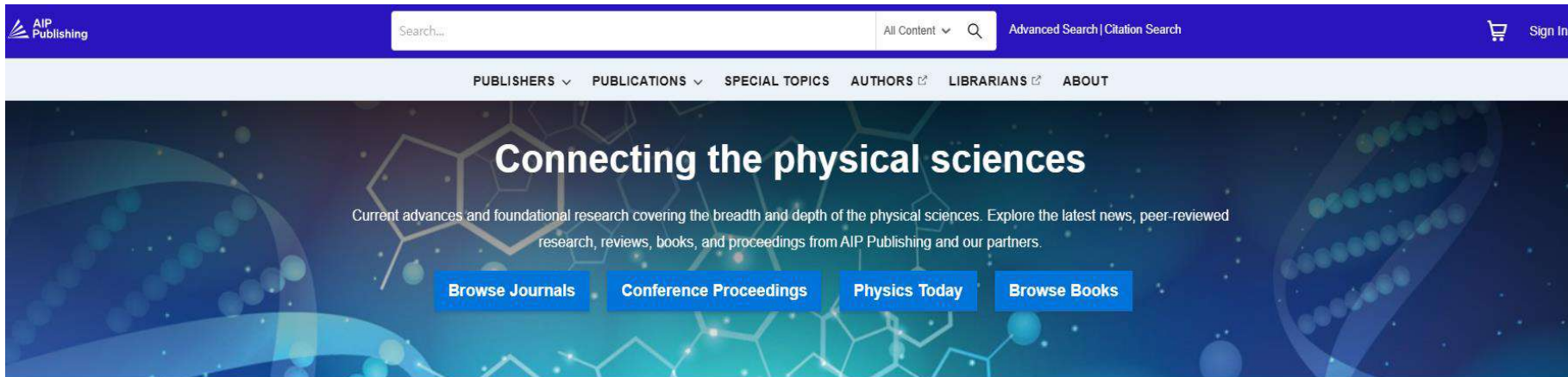
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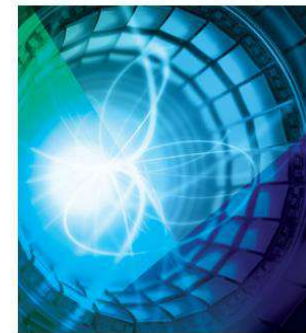
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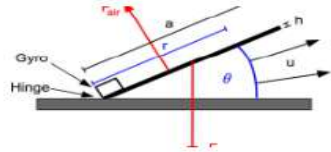
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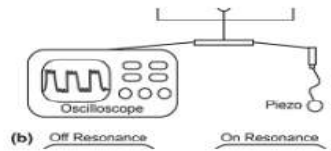


How the air slows a closing book

J. Pantaleone

When two flat surfaces approach each other, the fluid in between is accelerated and ejected from the sides at large speeds. This situation occurs often in everyday life, such as when you step in a ...

RESEARCH ARTICLE | JANUARY 01 2024

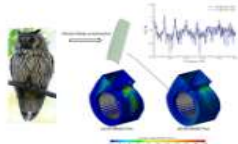


Acoustic trapping in the undergraduate lab

Andrea Boskovic, Kate M. Jones et al.

Acoustic trapping is used in modern biophysics laboratories to study cell adhesion or aggregation, to sort particles, or to build model tissues. Here, we create an acoustic trapping setup in liquid ...

RESEARCH ARTICLE | DECEMBER 27 2023

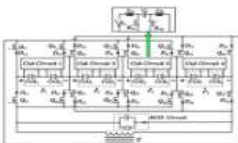


Performance improvement and noise reduction analysis of multi-blade centrifugal fan imitating long-eared owl wing surface

Jian Lei (雷健), Qin Cui (崔琴) et al.

This research was inspired by the long-eared owl wing surface. The multi-blade centrifugal fan is designed to mimic the owl wing surface ...

RESEARCH ARTICLE | DECEMBER 27 2023



Dual-layer active equalization control for series-connected batteries based on hybrid Cuk-flyback topology

Hao Qiang, Zhengwen Mo et al.

The inevitability of energy inconsistency in series-connected batteries leads to capacity imbalance and potential safety hazards. It is important to develop an effective equalization control ...

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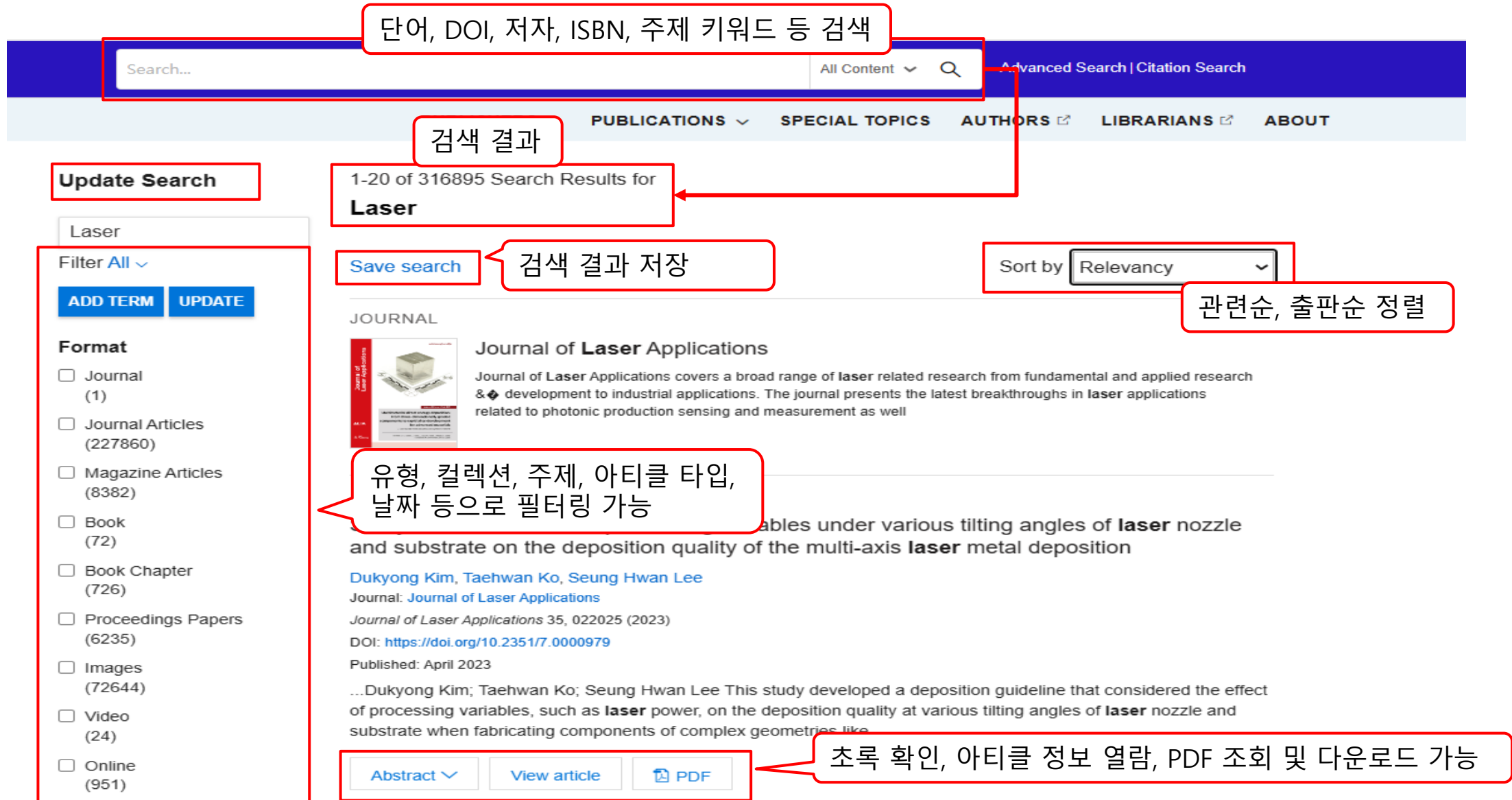
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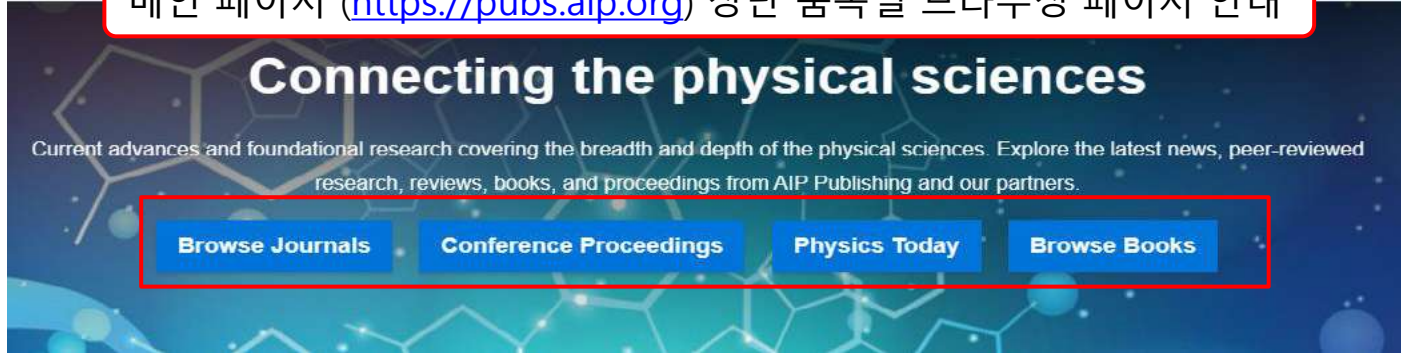
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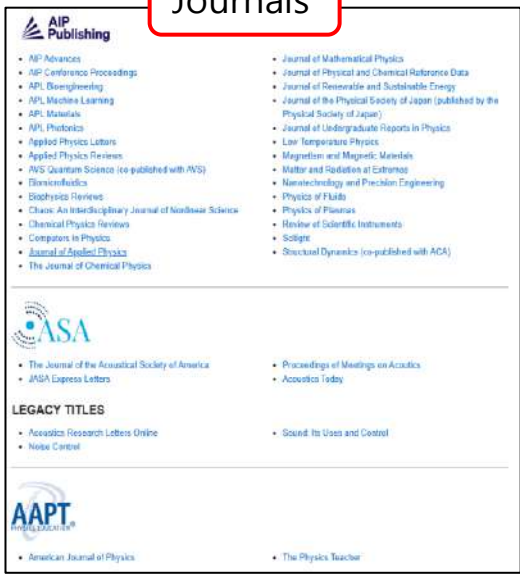


The screenshot shows the search results page for the term "Laser". The search bar at the top contains "Laser" and is annotated with "단어, DOI, 저자, ISBN, 주제 키워드 등 검색". Below the search bar, the navigation menu includes "PUBLICATIONS", "SPECIAL TOPICS", "AUTHORS", "LIBRARIANS", and "ABOUT". The search results are displayed as "1-20 of 316895 Search Results for Laser". A "Save search" button is annotated with "검색 결과 저장". A "Sort by" dropdown menu is set to "Relevancy" and is annotated with "관련순, 출판순 정렬". On the left, a "Filter" sidebar is annotated with "Update Search" and "검색 결과 저장". The sidebar includes a "Format" section with checkboxes for "Journal (1)", "Journal Articles (227860)", "Magazine Articles (8382)", "Book (72)", "Book Chapter (726)", "Proceedings Papers (6235)", "Images (72644)", "Video (24)", and "Online (951)". The main content area shows a result for "Journal of Laser Applications" with a cover image. A callout box points to the "Format" section with the text "유형, 컬렉션, 주제, 아티클 타입, 날짜 등으로 필터링 가능". At the bottom of the result, there are buttons for "Abstract", "View article", and "PDF", with a callout box stating "초록 확인, 아티클 정보 열람, PDF 조회 및 다운로드 가능".

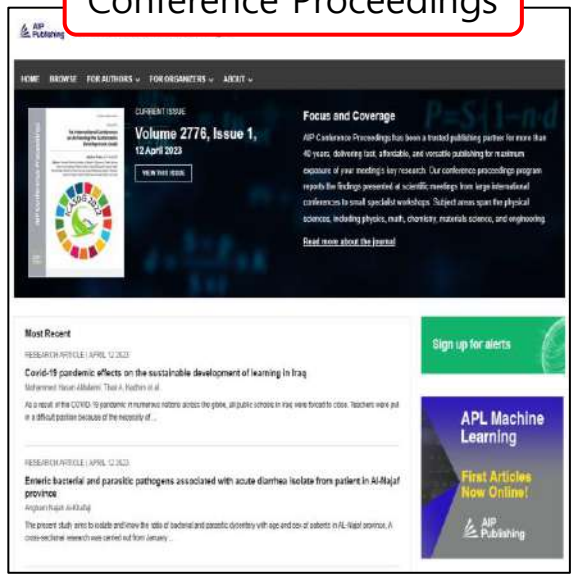
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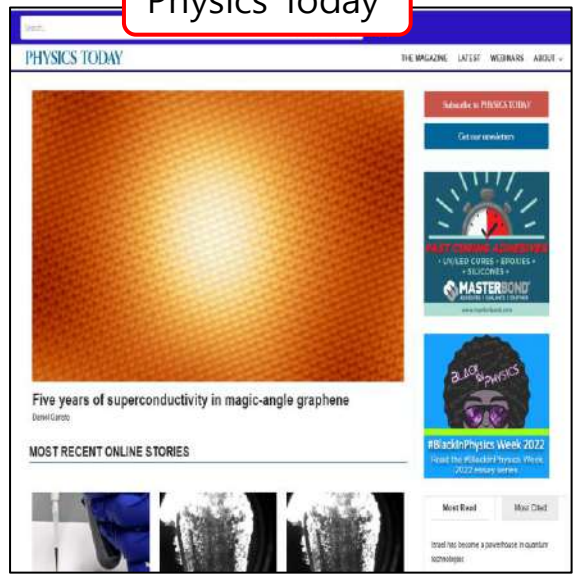
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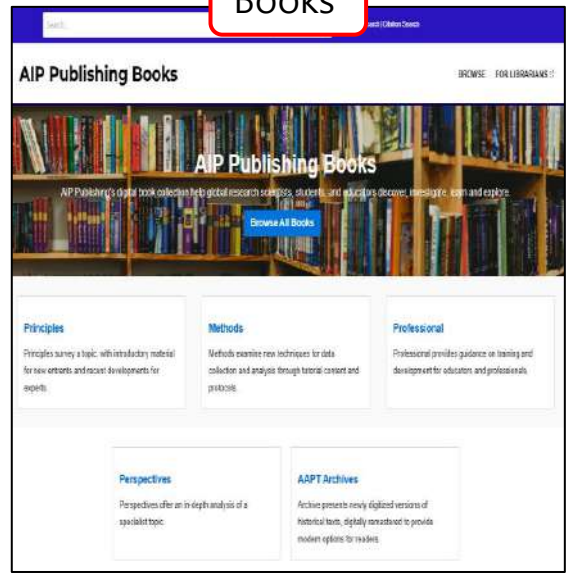
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Dual-layer active equalization control for series-connected batteries based on hybrid Cuk-flyback topology

Hao Qiang, Zhengwen Mo et al.

The inevitability of energy inconsistency among batteries within a battery pack poses operational challenges and potential safety hazards. It is imperative to swiftly harmonize the state of charge ...

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Volume 13, Issue 4

1 April 2023

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Numerical modeling of different streamer breakdown modes of gas switch under the external circuit

Xiao-Weiqian Wang; Ze-Long Zhang; Zi-Mu Xu; Xien-Hui Chen

AIP Advances 13, 045001 (2023) doi: <https://doi.org/10.1063/5.0144947>

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Identification and comparative analysis of vibration modal parameters of rice planter frame

Kaikang Chen; Yanwei Yuan; Bo Zhao; Liming Zhou; Hui Wang; Kang Niu; Xin Jin; Yongjun Zheng

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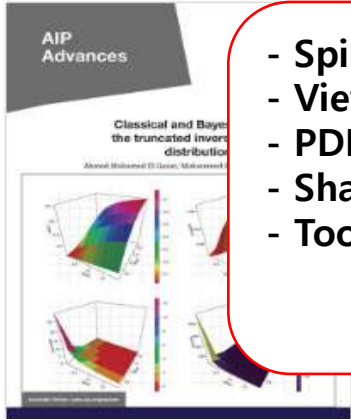
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Volume 13, Issue 12
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RESEARCH ARTICLE | DECEMBER 27 2023

Dual-layer active equalization control for series-connected



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- I. INTRODUCTION
- II. TOPOLOGY AND WORKING PRINCIPLE
 - A. Equalization Topology
 - B. Working Principle

The inevitability of energy inconsistency among batteries within a battery pack poses operational challenges and potential safety hazards. It is imperative to swiftly harmonize the state of charge across all batteries to mitigate these issues. Addressing this concern, a dual-layer hybrid equalization topology is introduced, leveraging the Cuk circuit and flyback transformer. The battery pack is segmented into modules, with the Cuk circuit employed for intra-module equalization. Subsequently, the flyback transformer facilitates inter-module equalization. A multimodal equalization control



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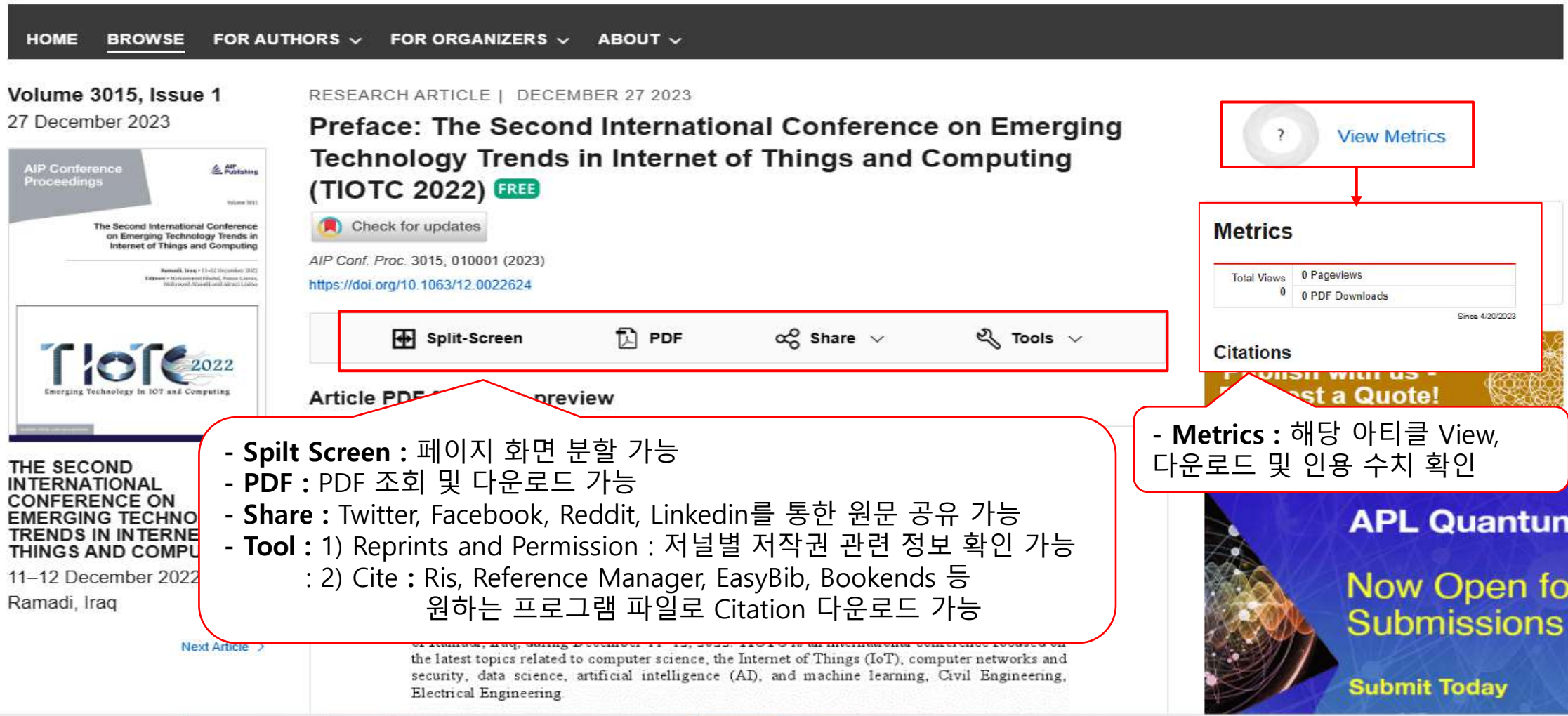
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Volume 3015, Issue 1
27 December 2023

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Preface: The Second International Conference on Emerging Technology Trends in Internet of Things and Computing (TIOTC 2022) **FREE**

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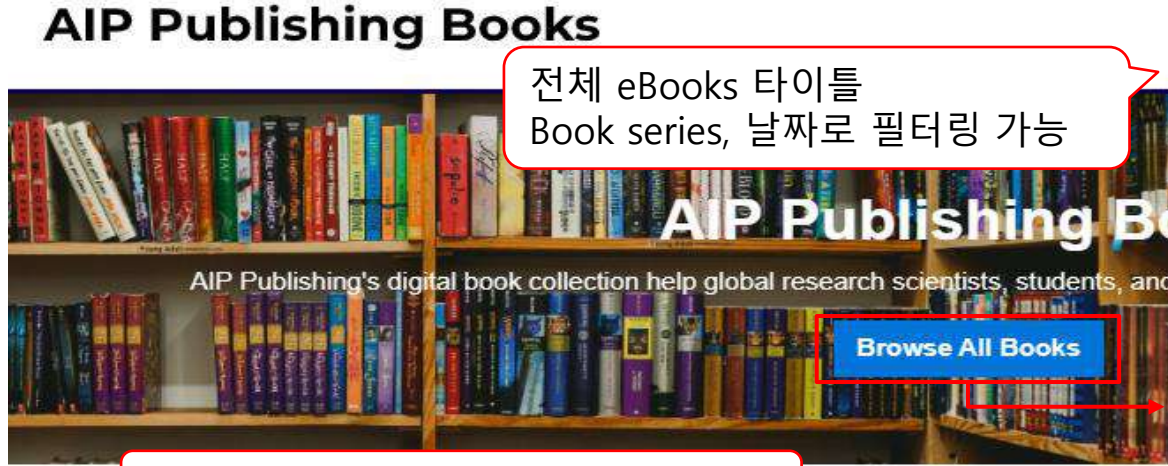
AIP Conf. Proc. 3015, 010001 (2023)
<https://doi.org/10.1063/1.5022624>

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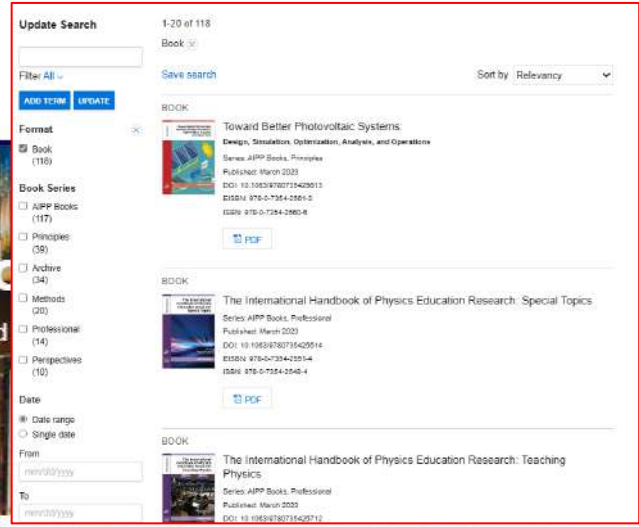
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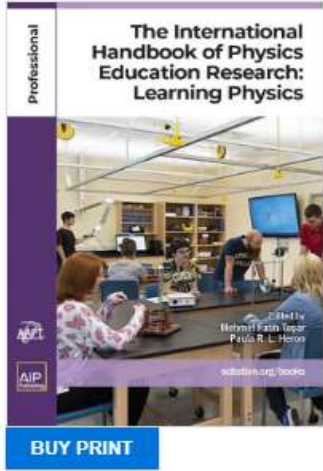


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The International Handbook of Physics Education Research: Learning Physics

Edited by Mehmet Fatih Taşar, Paula R. L. Heron

AIP Publishing LLC
DOI: <https://doi.org/10.1063/9780735425477>
ISBN electronic: 978-0-7354-2547-7
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By Mehmet Fatih Taşar, Paula R. L. Heron

DOI: https://doi.org/10.1063/9780735425477_frontmatter

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