



IEEE Authorship and Open Access Symposium

Tips and Best Practices to Get Published from IEEE Editors

Welcome and thank you for joining! The webinar will begin soon.

Please use the Q&A function for questions.
Please make sure your computer speakers are turned on for audio.

IEEE
Advancing Technology for Humanity

A Few Quick Notes Before We Get Started

Please note – **There is no dial-in number for attendees of this event**. Please make sure your computer speakers or headset are turned on and the volume is up so that you can hear our presenters.

Technical Support

Click the yellow **? icon** at the bottom of your screen to see answers to common technical issues or type your issue into the Q&A window.

Questions for the Presenters

Type your questions into the **Q&A** window. Our presenters will answer as many questions as possible during our time together.

Certificate of Participation

Remember to click the **Certificate Icon** at the bottom of your screen to request your Certificate of Participation.

Resources List

Click the green icon at the bottom of your screen to download a PDF version of the presentation and other valuable resources.

- **Access to the recording of today's virtual event** will be available a few hours after the webinar is completed. A link to the on-demand version will be emailed to all registered attendees.

IEEE

Thank you for joining us today!

Registrants for this series of events include: Students, Professors, Assoc. Professors, Researchers, Librarians, Information Professionals, Department Heads, Deans, and many more!

Attendees from many different regions across the globe have joined us for this series of events:

- Afghanistan
- Albania
- Australia
- Austria
- Azerbaijan
- Bangladesh
- Belgium
- Brazil
- Bulgaria
- Canada
- China
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Egypt
- Ethiopia
- Finland
- France
- Georgia
- Germany
- Greece
- Hungary
- Iceland
- India
- Indonesia
- Iran
- Iraq
- Ireland
- Israel
- Italy
- Japan
- Jordan
- Kazakhstan
- Kenya
- Kuwait
- Latvia
- Lebanon
- Libya
- Lithuania
- Luxembourg
- Malta
- Mexico
- Morocco
- Myanmar
- Nepal
- Netherlands
- Nigeria
- Norway
- Pakistan
- Palestine
- Philippines
- Poland
- Portugal
- Qatar
- Romania
- Saudi Arabia
- Serbia
- Singapore
- Slovakia
- South Africa
- Spain
- Sri Lanka
- Sweden
- Switzerland
- Turkey
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- Yemen

IEEE

IEEE Authorship and Open Access Symposium

Tips and Best Practices to Get Published from IEEE Editors

Topics for today

- How to select the right publication for your submission
- What editors and reviewers look for in submissions
- Common reasons why papers are rejected
- Essentials of proper paper structure
- Tips to optimize your article's discoverability, views, and citations
- Literature review research strategies using IEEE *Xplore*
- How to identify and avoid predatory publishers
- Authorship tools available from IEEE
- Reasons to consider open access publishing
- Open access options available for authors and institutions

Michael Spada - MODERATOR
Director, Strategic Marketing
IEEE

Dr. Paolo Bonato
Editor-in-Chief, IEEE Open Journal of Engineering in Medicine and Biology
Harvard University, USA

Eszter Lukacs
Client Services Manager
IEEE

Judy Brady
IEEE Regional Manager for Europe, the Middle East, Africa & Latin America
IEEE

IEEE

About IEEE

- World's largest technical largest technical professional organization with over 400,000 members globally
- Not for profit organization "Advancing Technology For Humanity"
- Core areas of activity:
  - Membership organization
  - Conferences organizer
  - Standards developer
  - Publisher of journals, conferences, standards, eBooks, and eLearning
- IEEE *Xplore* digital library by the numbers:
  - More than 5 million total documents
  - More than 15 million downloads per month
  - Over 5 million unique users each month

IEEE Smart Village Activities

A volunteer network empowering off-grid communities through education and the creation of sustainable, affordable, locally owned entrepreneurial energy businesses serving 70,000 people in 280 villages in Cameroon, Haiti, Nigeria, Kenya, South Sudan, Himalayas, India and more.
smartvillage.ieee.org

IEEE Action on Climate Change

IEEE is committed to helping combat the effects of climate change through pragmatic and accessible technical solutions and providing engineers and technologists with a space for discussion and action. IEEE has also developed a climate change collection of articles on IEEE *Xplore*.
climate-change.ieee.org

IEEE

IEEE *Xplore* Digital Library

The source that the top research organizations in the world rely on to fuel imagination and drive innovation

- IEEE journals, conference proceedings and standards plus select partner content dating as far back as 1884
- More than 5 million documents, 15 million downloads per month, and over 5 million unique users
- Over 1.2 million articles from over 200 top-cited IEEE journals, magazines, and transactions
- Over 4 million conference papers from as far back as 1936, with up to 200,000 added each year
- More than 4,900 approved and published IEEE standards
- eBook collections covering emerging topics in engineering, computer science, telecommunications, and more
- IEEE eLearning Library with the latest in topics such as Artificial Intelligence, Digital Transformation, 5G, Blockchain, and more!

https://ieeexplore.ieee.org/

IEEE

IEEE Today – Inspiring a Global Community of Innovation

- **Our Mission**
  The core purpose of IEEE is to **foster technological innovation and excellence for the benefit of humanity.**

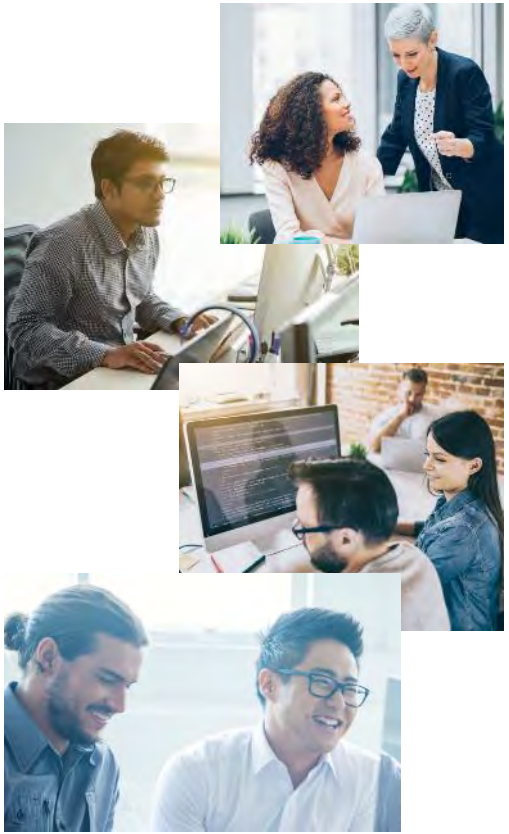
- **One of our Core Values…**
  To be a trusted and unbiased source of technical information, and forums, for technical dialog and collaboration.

- **One of our Goals…**
  Drive global innovation through broad collaboration and the sharing of knowledge

IEEE

IEEE Publications Strategy and Goals

- IEEE is dedicated to continuing to be the destination of choice for authors and to serve the author and research community.
- **IEEE strives to support all authors and readers globally.** That means being able to offer any author a publication venue that is compliant with their circumstances, regardless of their funding status, the publishing mandates they may have in place, or where in the world they may work.
- **IEEE provides authors with a choice to publish in a traditional journal or in a fully open access journal.**
- **IEEE continues to provide more options** and choices to support the work and needs of all authors and researchers.



IEEE

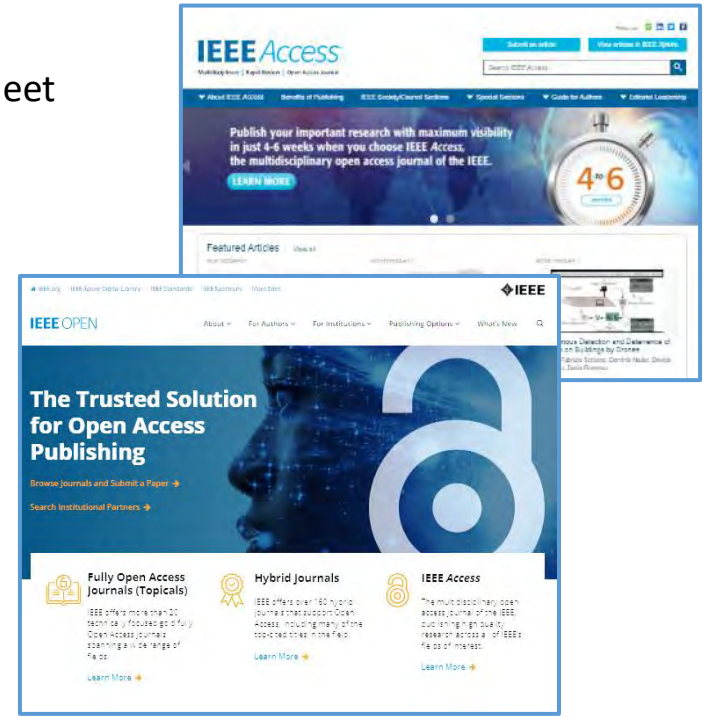
IEEE's Evolving Open Access Program

To help authors gain maximum exposure for their groundbreaking research and application-oriented articles, IEEE offers nearly 200 different options for open access (OA) publishing, all designed to meet the varying needs of authors throughout their careers:

OA Publishing Options

1. **Hybrid Journals** - **160** journals and magazines spanning an array of technology fields. These titles have Transformative Status under Plan S.
2. **Fully Open Access Topical Journals** – **nearly 30 titles** and more coming soon
3. **Multidisciplinary OA journal** - **IEEE *Access***
   - IEEE's largest open access journal, over 60,000 articles since 2013
   - Highly cited journal in a range of fields
   - Rapid yet rigorous peer review process of 4 to 6 weeks.

With the above options for authors, IEEE has published over **100,000** open access articles in IEEE *Xplore*.



IEEE Open Access Milestones

- **2012**: IEEE transitions the ***IEEE Photonics Journal*** to fully open access
- **2013**: IEEE launches ***IEEE Access***, the world's largest multidisciplinary open access journal in the tech sector
- **2013**: IEEE provides an **open access hybrid** option for all peer-reviewed journals
- **2016**: IEEE *Access* receives its first Journal Impact Factor™
- **2016**: IEEE launches initial pilot of **IEEE *DataPort***, an easily accessible repository of datasets with an OA option
- **2019**: IEEE launches 14 new **fully open access journals** in a range of technologies (now 29 fully OA journals)
- **2019**: IEEE launches the CCC RightsLink® OA **administrative tool** for institutional customers
- **2020**: IEEE Introduces **TechRxiv**™, a new preprint server for unpublished research in the technology sector
- **2022**: IEEE commits its full portfolio of more than 160 hybrid journals to **transformative status**, enabling any Plan S funded author to publish OA in any hybrid title

IEEE Key Factors in Open Access Publishing

- Follow **all IEEE established publishing guidelines and principles**
- Provide meticulous peer review
- Meet or exceed the same high quality as our premier subscription titles
- Offer **speed of publication** decision and publication of article itself
- Ensure geographic and institutional **diversity of authorship**

IEEE

Mandate Compliance

All of IEEE's fully Gold OA journals, hybrid journals, and IEEE Access

Common mandate requirement	
All publications must be published under an open license, preferably the Creative Commons Attribution license (CCBY or CCBY-NC-ND)	☑
When Open Access publication fees are applied, they must be commensurate with the publication services delivered	☑
The journal/platform must provide, on its website, a detailed description of its editorial policies and decision-making processes.	☑
Use of persistent identifiers (PIDs) for scholarly publications, such as DOI	☑
Deposition of content with a long-term digital preservation or archiving program	☑
High-quality article level metadata in standard interoperable non-proprietary format	☑

*NOTE: Authors financed by Plan S funders can publish articles with **any** IEEE periodical, as all IEEE hybrid periodicals have committed as Transformative Journals under Plan S.*

IEEE Commits its Entire Hybrid Journal Portfolio to Transformative Journal Status Aligned with Plan S

- In November 2022, IEEE announced that it has committed its full portfolio of more than 160 hybrid journals to become Transformative Journals under Plan S.
- This means that any authors receiving research grants from Coalition S are compliant with Plan S requirements when publishing their research articles in any IEEE fully open access or hybrid journals.
- In addition to the existing direct open access agreements with hundreds of institutions, all of IEEE's hybrid journals now qualify as 'Transformative Journals' under Plan S.
- This represents a major step in IEEE's continued support and commitment to open science and ensures that more authors can continue to publish in the publication of their choice.


IEEE

IEEE Commits its Entire Hybrid Journal Portfolio to Transformative Journal Status Aligned with Plan S

nables all Coalition S funded authors to publish in any IEEE hybrid journal nd be compliant with funder mandates

ISCATAWAY, N.J. 28 November 2022 -- IEEE, the world's largest technical rofessional organization dedicated to advancing technology for humanity, nnounced today that it has committed its full portfolio of more than 160 ybrid journals, which publish both open access and subscription-based ontent, to become Transformative Journals under Plan S.

his commitment means that any authors receiving research grants from oalition S, a group of research funders, are compliant with Plan S equirements when publishing their research articles in any IEEE fully open ccess or hybrid journals. In addition to the existing direct open access greements with hundreds of institutions, all of IEEE's hybrid journals now ualify as 'Transformative Journals' under Plan S.

EEE has a long-time dedication to serving the global author and research ommunity by offering a choice of quality publications to share their work, wit ublications choices that are compliant with their circumstances, regardless o eir funding status, the publishing mandates they may have in place or wher

IEEE

IEEE publishes 29 fully Open Access journals

All hosted on the IEEE Xplore® Digital Library and are fully compliant with funder mandates, including Plan S.

- IEEE Access
- IEEE Open Journal of Antennas and Propagation
- IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
- IEEE Open Journal of Circuits and Systems
- IEEE Open Journal of the Communications Society
- IEEE Open Journal of the Computer Society
- IEEE Open Journal of Control Systems
- IEEE Journal of the Electron Devices Society
- IEEE Open Journal of Engineering in Medicine and Biology
- IEEE Journal on Exploratory Solid-State Computational Devices and Circuits
- IEEE Journal of Indoor and Seamless Positioning and Navigation **NEW for 2023**
- IEEE Open Journal of the Industrial Electronics Society
- IEEE Open Journal of Industry Applications
- IEEE Open Journal of Instrumentation and Measurement
- IEEE Open Journal of Intelligent Transportation Systems
- IEEE Transactions On Machine Learning in Communications and Networking **New for 2023**
- IEEE Journal of Microwaves
- IEEE Open Journal of Nanotechnology
- IEEE Transactions on Neural Systems and Rehabilitation Engineering
- IEEE Photonics Journal
- IEEE Open Access Journal of Power and Energy
- IEEE Open Journal of Power Electronics
- IEEE Transactions on Quantum Engineering
- IEEE Open Journal of Signal Processing
- IEEE Open Journal of the Solid-State Circuits Society
- IEEE Open Journal of Systems Engineering **New for 2023**
- IEEE Journal of Translational Engineering in Health and Medicine
- IEEE Open Journal of Ultrasonics, Ferroelectrics, and Frequency Control
- IEEE Open Journal of Vehicular Technology

More information: open.ieee.org

IEEE

IEEE Open Access Read & Publish Programs for Institutions

Covers both **Read and Publish** activity by all institutional users included in the agreement.

Benefits:

- Supports institutions and researchers in advancing open science
- Convenient for authors encouraging open access publishing and broader dissemination of institution's scholarly output
- One annual fee makes it easier for administrators to track all relevant activity and manage funds
- Includes tools for managing and reporting Open Access fees and publications

Now more than 400 institutions globally have an open access agreement with IEEE. Does your institution have an OA agreement?

For more information, please visit: **open.ieee.org**

IEEE and University of California Sign Transformative Open Access Publishing Agreement

IEEE and CRUI Sign Three-Year Transformative Agreement to Accelerate Open Access Publishing in Italy

IEEE Reaches a Transformative Open Access Read and Publish Agreement with Finnish Consortium FinELib

IEEE and IReL Expand Access To Irish Technology Research with New Transformative Open Access Agreement

IEEE and CERN Agree to Transformative Open Access 'Read and Publish' Deal

Piscataway, N.J. – 27 May 2021 – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, announced today that it has entered an open access read and publish agreement with CERN, the European Organization for Nuclear Research, the world's largest particle physics research center located in Geneva, Switzerland.

The transformative read and publish agreement enables CERN-corresponding authors to publish open access articles in all IEEE journals and combines reading access to over five million documents from the IEEE *Xplore* Digital Library, including scientific journals, conference proceedings, and IEEE standards. The agreement also makes it more convenient for authors to publish open access articles with IEEE as article processing charges (APCs) are prepaid by CERN's centrally funded IEEE open access APC account. CERN's authors are now able to publish open access articles in 160 leading hybrid journals and all fully open journals published by IEEE, making articles instantly available and free to read by the general public.

Our First Speaker…

Dr. Paolo Bonato
Editor-in-Chief, IEEE Open Journal of Engineering in Medicine and Biology
Harvard University, USA

IEEE OPEN ACCESS
OJEMB
IEEE OPEN JOURNAL OF ENGINEERING IN MEDICINE AND BIOLOGY

Dr Bonato serves as Director of the Motion Analysis Laboratory at Spaulding Rehabilitation Hospital in Boston MA. He is an Associate Professor of Physical Medicine and Rehabilitation at Harvard Medical School, an Associate Faculty Member of the Wyss Institute for Biologically Inspired Engineering, an Adjunct Professor of Biomedical Engineering at the MGH Institute of Health Professions, and an Adjunct Associate Professor at Boston University College of Health & Rehabilitation Sciences. Dr Bonato serves as Member of the Advisory Board of the IEEE Journal of Biomedical and Health Informatics and Associate Editor of the IEEE Journal of Translational Engineering in Health and Medicine. From 2013 to 2016, Dr Bonato served as the Vice President for Publications of the IEEE Engineering in Medicine & Biology Society.

IEEE

Tips and Best Practices on How to Get Published

Based on insights from an actual IEEE Editor

About Me

About my role at my institution

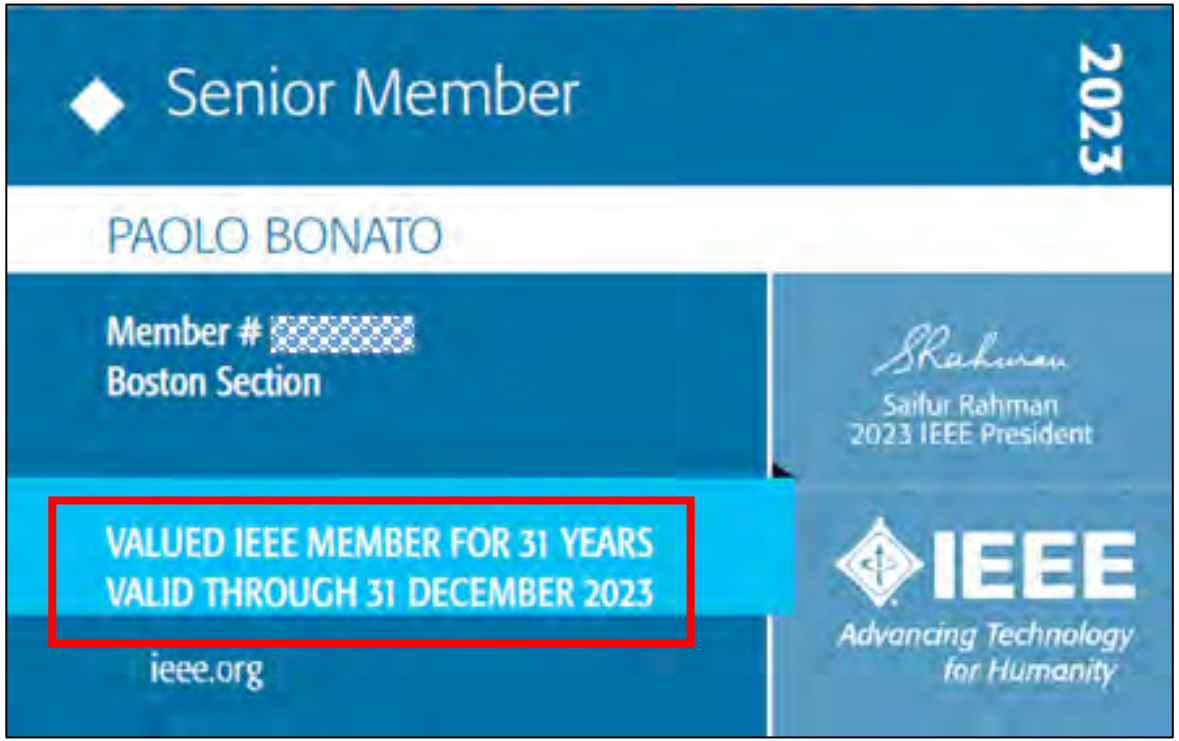
I am a PI in a Clinical Department of Harvard Medical School. I lead a research team of about 20 individuals with technical (engineering) and clinical (rehabilitation medicine) background. We develop and assess rehabilitation technologies, with emphasis on wearable sensors and robots.

About my journal and my role as Editor-in-Chief

Launched in 2020, the IEEE Open Journal of Engineering in Medicine and Biology covers the development and application of engineering concepts and methods to biology, medicine and health sciences to provide effective solutions to biological, medical and healthcare problems.

IEEE

About Me



IEEE

Publishing Choices

How to select the right publication for your submission

IEEE

Select the Right Publication for Your Research

- **Reputation of Publisher:** Does it have a long history and strong reputation as a credible source for quality information?
- **Journal Quality:** What are the citation metrics. Does it have an Impact Factor (IF), Eigenfactor, Article Influence Score or other citation metrics?
- **Indexing:** Is the journal listed and indexed in scholarly journal databases such as Web of Science, Scopus, or the Directory of Open Access Journals (DOAJ)? This helps ensure your work is discoverable, read and cited
- **Peer Review:** Does the journal have a strong peer review process that can even help you improve your work and the chances of it being cited?
- **Platform:** Does the journal platform receive significant traffic, easily accessible and stable?

IEEE

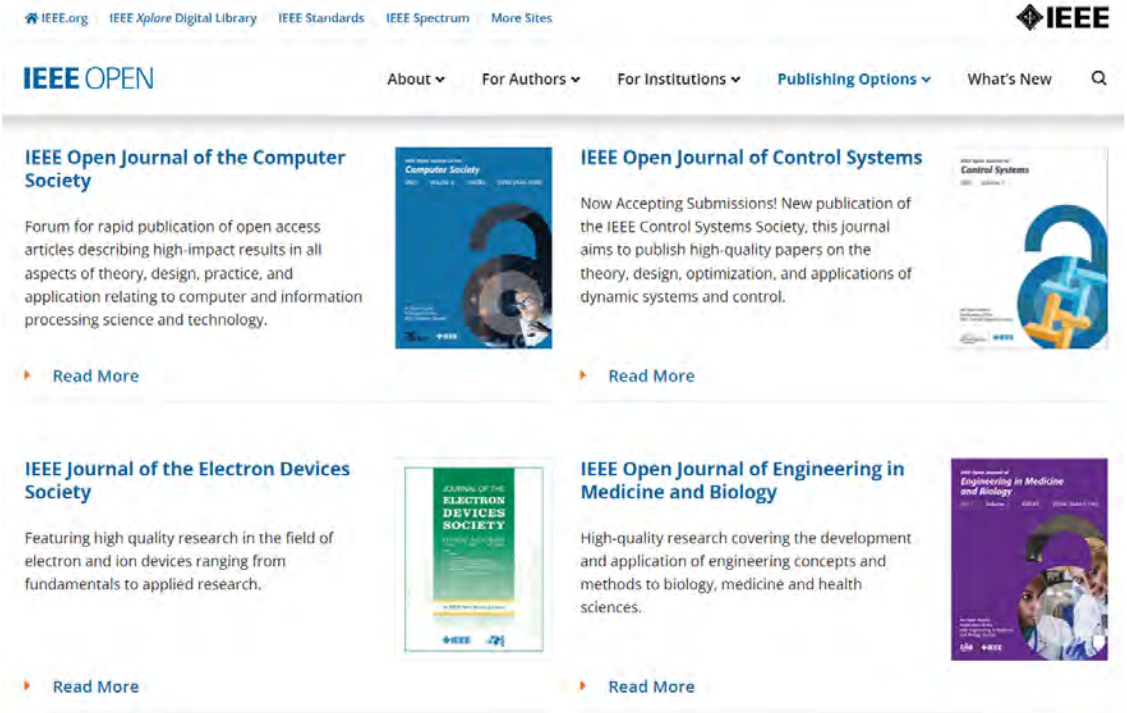
With that criteria in mind, let's compare IEEE as a publisher…

- IEEE has been a trusted voice for engineering and technology with a long history back to 1884
- IEEE journals are trusted, respected, and rank among the most highly cited in their fields
- Over 5 million monthly users of the IEEE *Xplore*® Digital Library
- All publications follow IEEE's established rigorous peer review process, publishing principles and quality standards
- IEEE maintains partnerships with A&I providers such as Elsevier, EBSCO, OCLC, Clarivate, ProQuest, IET, CrossRef and NLM to maximize the discovery of author works
- Indexed by Google, allowing Google search results to include links to IEEE *Xplore*

IEEE

Publish

What if I choose a new IEEE open access journal?

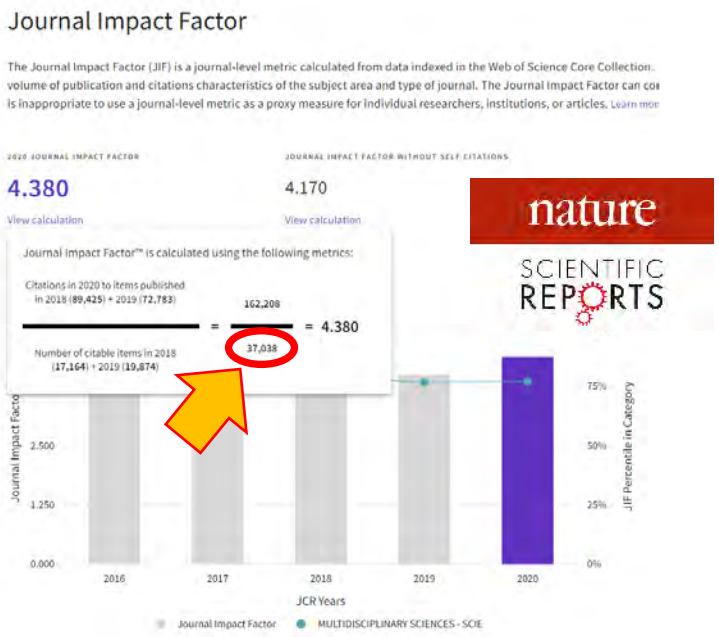


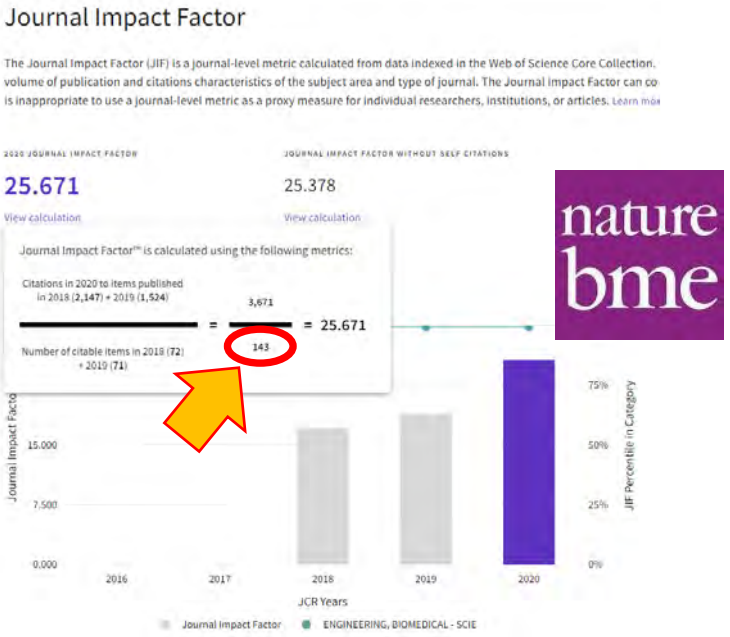
https://open.ieee.org/publishing-options/topical-journals/

IEEE

Publish

Mega vs topical journals





IEEE

Publish

Key ingredients of a new topical journals

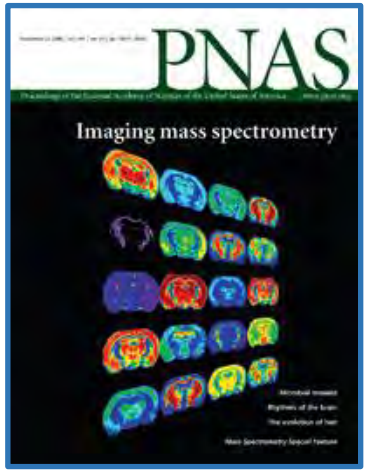
- Not “aspiring” to be a mega journal ..
- Strong editorial team (advisory board, area editors, associate editors, editorial team)
- Unique vision to serve the scientific community targeted by the topical journal
- Fast and thorough review process

https://www.embs.org/ojemb/advisory-board/

IEEE

Publish

Dual format submission



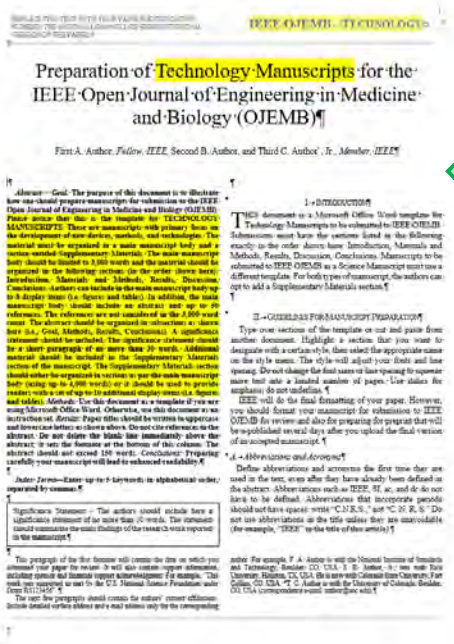
How to best serve the BME scientific community?

Offering different publication options/formats!!

IEEE

Publish

Dual format submission


IEEE OJEMB – TECHNOLOGY

Preparation of Technology Manuscripts for the IEEE Open Journal of Engineering in Medicine and Biology (OJEMB)

First A. Author, *Fellow, IEEE*, Second B. Author, and Third C. Author, Jr., *Member, IEEE*

"Technology" manuscripts

- Introduction
- Materials & Methods
- Results
- Discussion and Conclusions

"Science" Manuscripts

- Introduction
- Results
- Discussion and Conclusions
- Materials and Methods


IEEE OJEMB – SCIENCE

Preparation of Science Manuscripts for the IEEE Open Journal of Engineering in Medicine and Biology (OJEMB)

First A. Author, Second B. Author, Jr., and Third C. Author, *Member, IEEE*

Main Body => 3,000 words

Supplementary Materials => 4,000 words

https://www.embs.org/ojemb/manuscript-formats/

IEEE

Advantages of open access journals

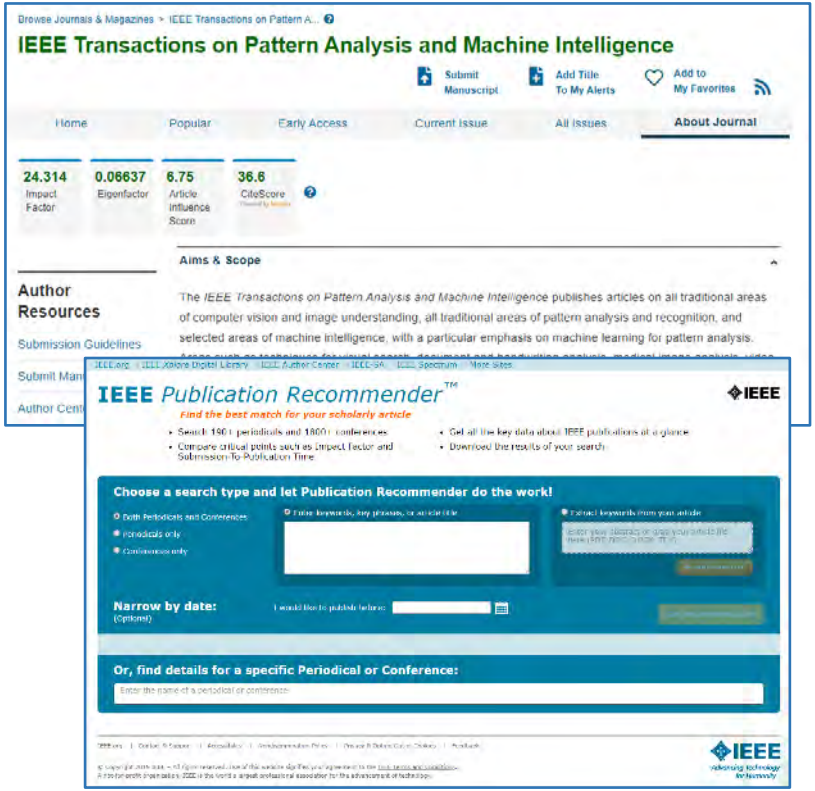
- Greater visibility
- Rapid review
- Submission to publication timeframe
- Scope of work
- Funder mandates or publishing policies of your institution

Publish

Pick Your Target Publication

- Select just **one** target publication; concurrent submissions are unethical
- Start by looking at the publications cited in **your references**
- **Ask your supervisor** or other colleagues experienced in publishing for recommendations
- Read the **Aims & Scope** of your potential targets and publications therein to ensure your article is a good fit
- Check out the **IEEE Publication Recommender** in the IEEE Author Center
  - Search by using your article keywords, article or even your abstract. Compare journal impact factors, submission to publication time, and more

https://publication-recommender.ieee.org



Publish

IEEE journal or IEEE conference?

- A **journal article** is a fully developed presentation of your work and its final findings
  - Original research results presented
  - Clear conclusions are made and supported by the data
- A **conference article** can be written while research is ongoing
  - Can present preliminary results or highlight recent work
  - Gain informal feedback to use in your research
  - Typically shorter than journal articles, with less detail and fewer references

Publish

Finding the right IEEE publication or IEEE conference

IEEE has approx. **200 unique periodicals** covering a wide range of technical areas

- Review the journal listings
  - Who reads it
  - What they publish
  - What types of articles are they looking for?

IEEE publishes approx. **1,900** leading-edge **conference proceedings** every year

- Review the conference calendar
  - Find a good match for your research subject matter
  - Ensure you are available to present

IEEE

Submissions Process and Peer Review

What is peer review and how does it work?

Peer review is the system used to assess the quality and relevance of a manuscript before it is published.

Peer review is vital to the quality of published research. Your submitted article will be evaluated by at least two independent reviewers. Feedback from the peer reviewers will contribute to the editor's decision on whether to accept, request revision or reject your article for publication.

Independent researchers in the relevant research area assess submitted manuscripts for originality, validity and significance to help editors determine whether a manuscript should be published in their journal.

More information: https://journals.ieeeauthorcenter.ieee.org/submit-your-article-for-peer-review/about-the-peer-review-process/

IEEE

Checklist for submitting your article for peer review

Get ready for peer review. IEEE has created a checklist for submitting your article to ensure you don't miss any important steps.

While preparing to submit your article for peer review make sure to:

- Review the submission guidelines for your target publication to ensure your article meets all requirements.
- Agree on who will serve as the article's corresponding author if your article has multiple authors.
- Check that you have all necessary files.
- Get an ORCID ID if you do not have one at orcid.org
  - Open Researcher and Contributor ID: a unique 16-digit identifier to help distinguish you from other researchers and connects your publication record

View the Checklist at the IEEE Author Center: ieeeauthorcenter.ieee.org

IEEE

What else are IEEE editors and reviewers are looking for?

During the peer review process, editors, and reviewers look for:

- **Scope:** Is the article appropriate for this publication?
- **Validity:** Is the study well designed and executed?
- **Data:** Are the data reported, analyzed, and interpreted correctly?
- **Clarity:** Are the ideas expressed clearly, concisely, and logically?
- **Compliance:** Are all ethical and journal requirements met?
- **Advancement:** Is this a significant contribution to the field?
- **Novelty:** Is this original material distinct from previous publications?

Why IEEE editors and reviewers reject papers

- The content is not a good fit for the publication
- There are serious scientific flaws:
  - Inconclusive results or incorrect interpretation
  - Fraudulent research
- It is poorly written
- The work was previously published
- It does not address a big enough problem or advance the scientific field
- The quality is not good enough for the journal
- The paper does not make a strong enough case to convince reviewers
- Poor structure and presentation

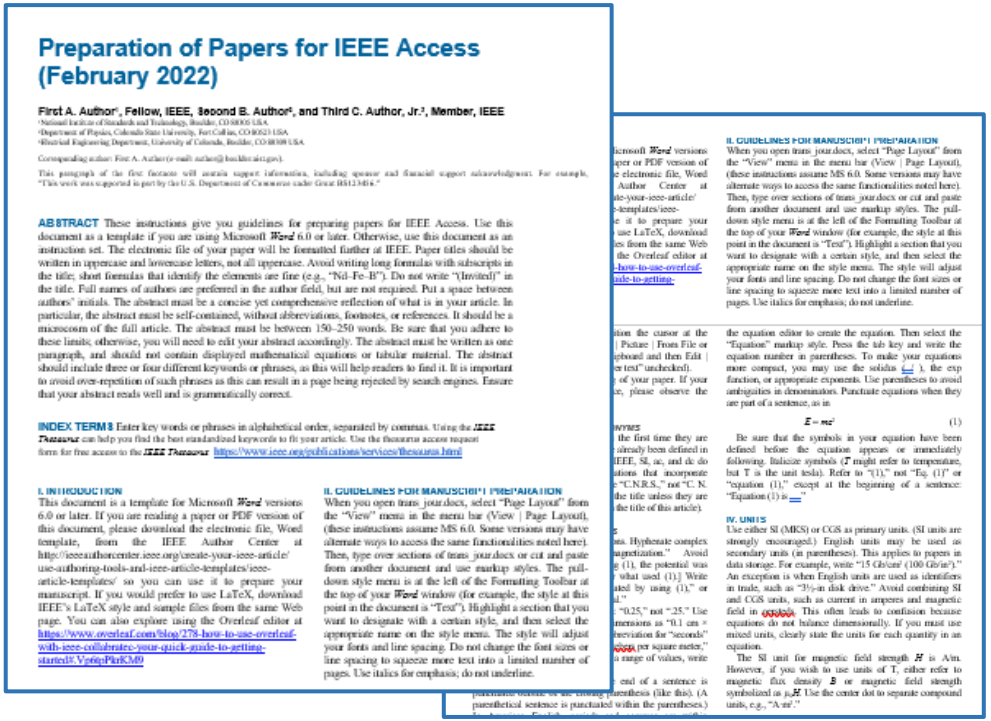
IEEE

Paper Structure

Paper Structure

Technology Format (the typical IEEE format)

- Title
- Abstract
- Introduction
- Methods
- Results
- Discussion
- Conclusions
- References



Preparation of Papers for IEEE Access (February 2022)

First A. Author[1], Fellow, IEEE, Second B. Author[2], and Third C. Author, Jr.[3], Member, IEEE

ABSTRACT These instructions give you guidelines for preparing papers for IEEE Access. Use this document as a template if you are using Microsoft *Word* 6.0 or later. Otherwise, use this document as an instruction set. The electronic file of your paper will be formatted further at IEEE. Paper titles should be written in uppercase and lowercase letters, not all uppercase. Avoid writing long formulas with subscripts in the title; short formulas that identify the elements are fine (e.g., "Ni–Fe–B"). Do not write "(Invited)" in the title. Full names of authors are preferred in the author field, but are not required. Put a space between authors' initials. The abstract must be a concise yet comprehensive reflection of what is in your article. In particular, the abstract must be self-contained, without abbreviations, footnotes, or references. It should be a microcosm of the full article. The abstract must be between 150–250 words. Be sure that you adhere to these limits; otherwise, you will need to edit your abstract accordingly. The abstract must be written as one paragraph, and should not contain displayed mathematical equations or tabular material. The abstract should include three or four different keywords or phrases, as this will help readers to find it. It is important to avoid over-repetition of such phrases as this can result in a page being rejected by search engines. Ensure that your abstract reads well and is grammatically correct.

INDEX TERMS Enter key words or phrases in alphabetical order, separated by commas. Using the *IEEE Thesaurus* can help you find the best standardized keywords to fit your article. Use the thesaurus access request form for free access to the *IEEE Thesaurus*. https://www.ieee.org/publications/services/thesaurus.html

I. INTRODUCTION

This document is a template for Microsoft *Word* versions 6.0 or later. If you are reading a paper or PDF version of this document, please download the electronic file, Word template, from the IEEE Author Center at http://ieeeauthorcenter.ieee.org/create-your-ieee-article/use-authoring-tools-and-ieee-article-templates/ieee-article-templates/ so you can use it to prepare your manuscript. If you would prefer to use LaTeX, download IEEE's LaTeX style and sample files from the same Web page. You can also explore using the Overleaf editor at https://www.overleaf.com/blog/278-how-to-use-overleaf-with-ieee-collabratec-your-quick-guide-to-getting-started#.Vp6tqPlrKM0

II. GUIDELINES FOR MANUSCRIPT PREPARATION

When you open trans_jour.docx, select "Page Layout" from the "View" menu in the menu bar (View | Page Layout), (these instructions assume MS 6.0. Some versions may have alternate ways to access the same functionalities noted here). Then, type over sections of trans_jour.docx or cut and paste from another document and use markup styles. The pull-down style menu is at the left of the Formatting Toolbar at the top of your *Word* window (for example, the style at this point in the document is "Text"). Highlight a section that you want to designate with a certain style, and then select the appropriate name on the style menu. The style will adjust your fonts and line spacing. Do not change the font sizes or line spacing to squeeze more text into a limited number of pages. Use italics for emphasis; do not underline.

Sample template from ieeeauthorcenter.ieee.org

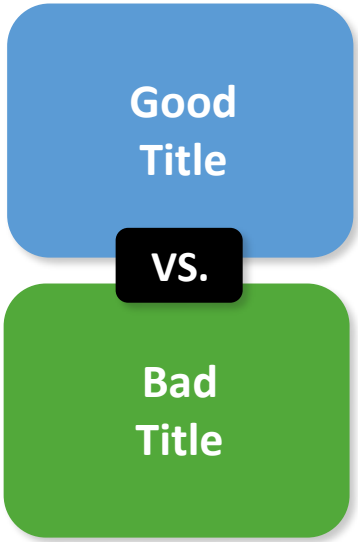
IEEE

Paper Structure

Title

An effective title should…

- Be specific, concise, and descriptive
- Answer the reader's question: *Is this article relevant to me?*
- Think about what you would search for if you were looking for articles related to your research. Be sure to incorporate those keywords into your title.
- Grab the reader's attention
- Describe the content of a paper using the fewest possible words

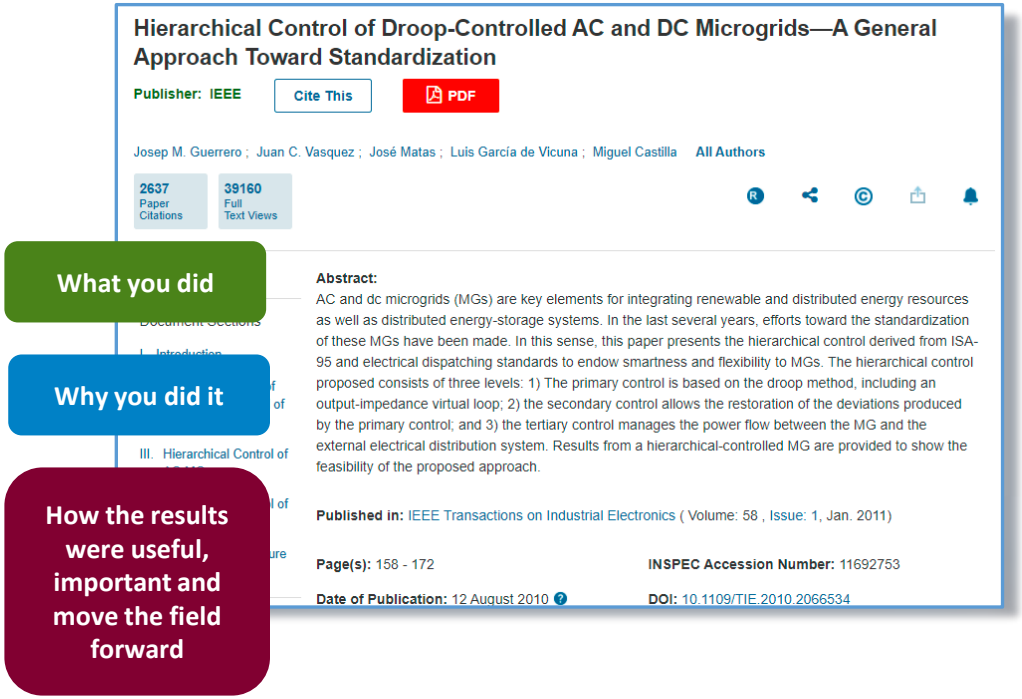


IEEE

Paper Structure

Abstract

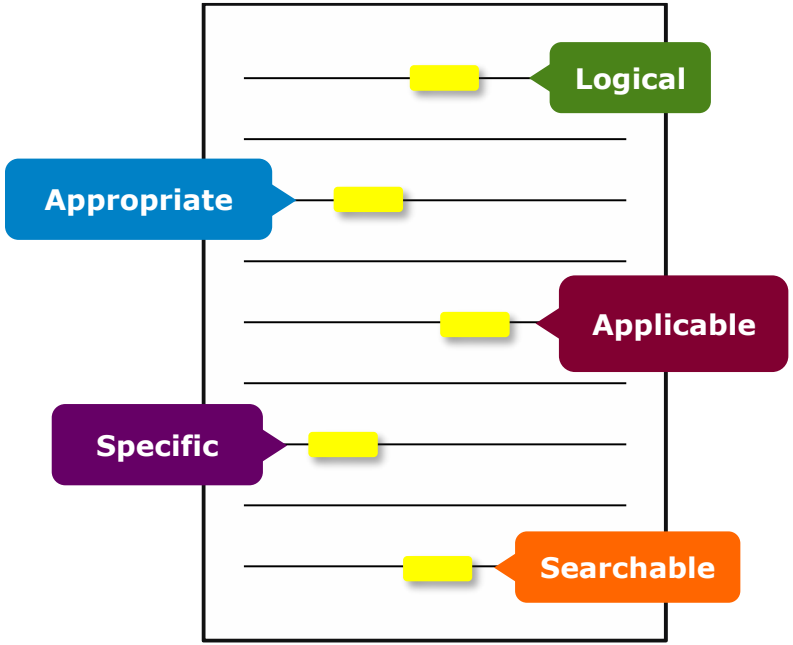
- Concise summary of research conducted, results obtained, and conclusions reached
- A “stand-alone” condensed version of the article
- Typically, 250 words or less
- Uses keywords and index terms



Paper Structure

Keywords

- Be sure to use keywords in the Title and Abstract to maximize discoverability.
- Articles are often assigned EICs based in part on keywords, so make sure your choices are relevant and specific.
- Think about what you would search for if you were looking for articles related to your research. Be sure to incorporate those keywords.
- Check out what keywords other papers in your area have used for ideas.



IEEE

Paper Structure

Introduction

- A description of the problem you researched
- It should move step by step through the following:

IEEE

Paper Structure

Methods

- Problem formulation and the processes used to solve the problem, prove or disprove the hypothesis
- Use illustrations to clarify ideas and support conclusions

IEEE

Paper Structure

Results

Demonstrate that you solved the problem or made significant advances

Summarize the Data

- Should be clear and concise
- Use figures or tables with narrative to illustrate your findings

Tables

Present representative data or used when exact values are important to show

Figures

Quickly show ideas/conclusions that would require detailed explanations

IEEE

Paper Structure

Results/Discussion

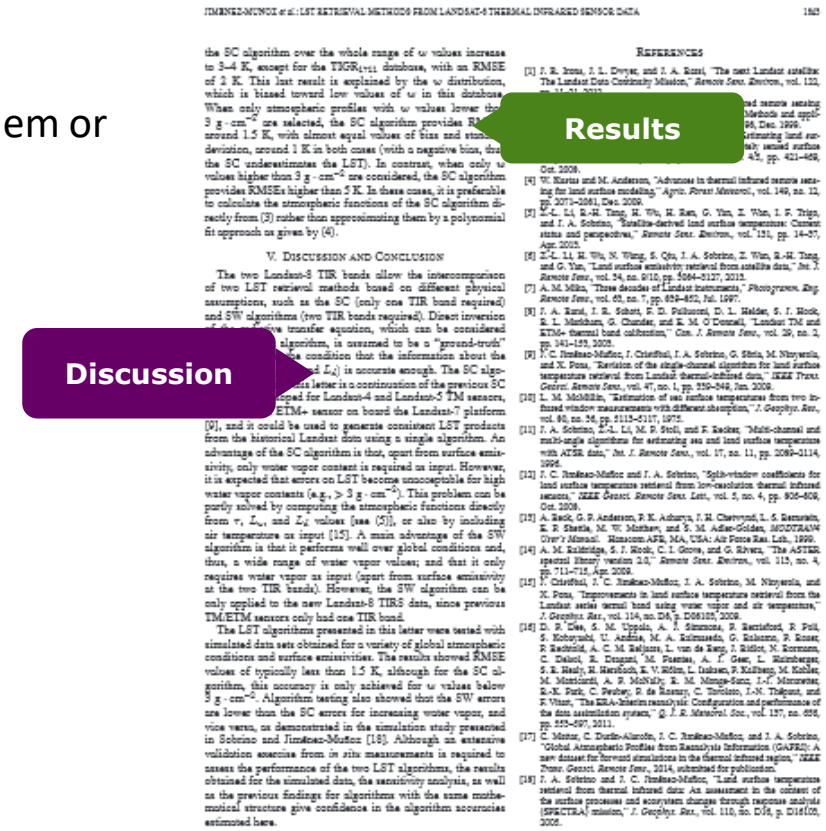
Demonstrate that you solved the problem or made significant advances

Results: Summarizes the Data

- Should be clear and concise
- Use figures or tables with narrative to illustrate findings

Discussion: Interprets the Results

- Why your research offers a new solution
- How can it benefit other researchers and professionals



Paper Structure

Conclusion

- Explain what the research has achieved
  - As it relates to the problem stated in the Introduction
  - Revisit the key points in each section
  - Include a summary of the main findings and implications for the field
- Provide benefits and shortcomings of:
  - The solution presented
  - Your research and methodology
- Suggest future areas for research

IEEE

Paper Structure

References

- Support and validate the hypothesis your research proves, disproves, or resolves
- There is no limit to the number of references
  - But use only those that directly support your work (about 30)
- Ensure proper author attribution
  - Author name, article title, publication name, publisher, year published, volume, page number, and Digital Object Identifier (DOI)

Properly cited material

We then have

$$(P_t^{k+})^2 + (P_t^{k-})^2 - |P_t^{k+} - P_t^{k-}|^2 + 2P_t^{k+}P_t^{k-} \le |P_t^{k+} - P_t^{k-}|^2 + 2P_t^{k+}P_t^{k-} - (P_t^{k+} - P_t^{k-})^2 \quad (32)$$

Since $P_t^{k+} - P_t^{k-} = P_t^{k+} - P_t^{k-}$, we then have $P_t^{k+} \le P_t^{k+}$, and $P_t^{k-} \le P_t^{k-}$. Because the operational cost is an increasing function of (P_t^{k+}, P_t^{k-}), we obtain that

$$c_{q(t)}(P_t^{k+}, P_t^{k-}) \le c_{q(t)}(P_t^{k+}, P_t^{k-}). \quad (33)$$

Therefore the optimal pair (P_t^{k+}, P_t^{k-}) must satisfy that $P_t^{k+}P_t^{k-} = 0$, i.e., only one of P_t^{k+}, P_t^{k-} can be non-zero. ■

REFERENCES

[1] "Renewables: Energy You can Count on," Tech. Rep. Union of Concerned Scientists, 2013.

[2] S. Collier, "Ten steps to a smarter grid," *IEEE Ind. Appl. Mag.*, vol. 16, no. 2, pp. 62–68, 2010.

[3] J. A. Turner, "A realizable renewable energy future," *Sci.*, vol. 285, no. 5428, pp. 687–689, 1999.

[4] "Exploration of High-Penetration Renewable Electricity Futures," Tech. Rep. National Renewable Energy Lab., 2012.

[5] T. Wackernagel and J. Mayer, *A Definition of 'Carbon Footprint'*. Hauppauge, NY, USA: Nova Science, 2008.

[6] J. Carrasco, L. Franquelo, J. Bialasiewicz, E. Galvan, R. Guisado, M. Prats, J. Leon, and N. Moreno-Alfonso, "Power-electronic systems for the grid integration of renewable energy sources: A survey," *IEEE Trans. Ind. Electron.*, vol. 53, no. 4, pp. 1002–1016, 2006.

[7] H. Ibrahim, A. Ilinca, and J. Perron, "Energy storage systems—characteristics and comparisons," *Renewable Sustainable Energy Rev.*, vol. 12, no. 5, pp. 1221–1250, 2008.

[8] J. Garcia-Gonzalez, R. de la Muela, L. Santos, and A. Gonzalez, "Stochastic joint optimization of wind generation and pumped-storage units in an electricity market," *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 460–468, 2008.

[9] T. D. Nguyen, K.-J. Tseng, S. Zhang, and T. D. Nguyen, "On the modeling and control of a novel flywheel energy storage system," in *Proc. IEEE ISIE*, 2010, pp. 1395–1401.

[10] H. Zhao, T. Bhattacharya, D. Tran, T. Siew, and A. Khambadkone, "Composite energy storage system involving battery and ultracapacitor with dynamic energy management in microgrid applications," *IEEE Trans. Power Electron.*, vol. 26, no. 3, pp. 923–930, 2011.

[11] S. O. Chalk and J. F. Miller, "Key challenges and recent progress in batteries, fuel cells, and hydrogen storage for clear energy systems," *J. Power Sources*, vol. 159, no. 1, pp. 73–80, 2006.

[12] J. Bartus and D. Infield, "Energy storage and its use with intermittent renewable energy," *IEEE Trans. Energy Conversion*, vol. 19, no. 3, pp. 441–448, 2004.

[13] K. G. Vosburgh, "Compressed air energy storage," *J. Energy*, vol. 2, no. 2, pp. 106–112, 1978.

[14] C. Abbey and G. Joos, "Supercapacitor energy storage for wind energy applications," *IEEE Trans. Ind. Appl.*, vol. 43, no. 3, pp. 769–776, 2007.

[15] P. Brown, J. P. Lopes, and M. Matos, "Optimization of pumped storage capacity in an isolated power system with large renewable penetration," *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 523–531, 2008.

[16] C. Abbey and G. Joos, "A stochastic optimization approach to rating of energy storage systems in wind-diesel isolated grids," *IEEE Trans. Power Syst.*, vol. 24, no. 1, pp. 418–426, 2009.

[17] Y. Zhang, N. Gatsis, and G. Giannakis, "Robust energy management for microgrids with high-penetration renewables," *IEEE Trans. Sustainable Energy*, vol. PP, no. 99, pp. 1–10, 2013.

[18] S. Boyd, N. Parikh, E. Chu, B. Peleato, and J. Eckstein, "Distributed optimization and statistical learning via the alternating direction method of multipliers," *Foundations Trends Mach. Learning*, vol. 3, no. 1, pp. 1–122, 2010.

[19] G. Calafiore and M. Campi, "The scenario approach to robust control design," *IEEE Trans Autom Contr.*, vol. 51, no. 5, pp. 742–753, 2006.

[20] A. Shapiro, D. Dentcheva, and A. Ruszczynski, *Lectures on Stochastic Programming: Modeling and Theory*. Philadelphia, NJ, USA: SIAM, 2009.

[21] Y. Zhang, N. Gatsis, and G. Giannakis, "Risk-constrained energy management with multiple wind farms," in *Proc. IEEE PES ISGT*, Feb. 2013, pp. 1–6.

[22] Y. Zhang, N. Gatsis, V. Kekatos, and G. Giannakis, "Risk-aware management of distributed energy resources," in *Proc. Int. Conf. Digital Signal Process.*, Jul. 2013, pp. 1–5.

[23] P. Yang and A. Nehorai, "Hybrid energy storage and generation planning with large renewable penetration," in *IEEE Int. Workshop Comput. Adv. Multi-Sensor Adaptive Process.*, Dec. 2013, pp. 1–4.

[24] EPRI, "Electricity Energy Storage Technology Options: A White Paper Primer on Applications, Costs, and Benefits," Tech Rep. EPRI, Palo Alto, CA, USA, 2010.

[25] *National Solar Radiation Data Base*. [Online]. Available: http://rredc.nrel.gov/solar/old_data/nsrdb/

[26] S. Wilcox, *National Solar Radiation Database 1991 – 2010 Update: User's Manual*, 2012.

[27] EPRI, "Renewable Energy Technical Assessment Guide – TAGRE:2006," Tech. Rep. EPRI, Palo Alto, CA, USA, 2007.

[28] *ISO/OP Hourly Load Data Archive* [Online]. Available: http://www.caiso.com/green/renewrpts.html

[29] M. Grant and S. Boyd, CVX: *Matlab Software for Disciplined Convex Programming*, Version 2.0 Beta 2012 [Online]. Available: http://cvxr.com/cvx

[30] "MISO Daily Report," 2011, Electric Power Markets: Midwest (MISO), FERC [Online]. Available: http://www.ferc.gov/market-oversight/mkt-electric/midwest/miso-archives.asp

[31] "CAISO Daily Report," 2011, Electric Power Markets: California (CAISO), FERC [Online]. Available: http://www.ferc.gov/market-oversight/mkt-electric/california/caiso-archives.asp

Peng Yang (S'11) received the B.Sc. degree in electrical engineering from University of Science and Technology, Anhui, China in 2009, and the M.Sc. and Ph.D. degree in electrical engineering from Washington University in St. Louis, St. Louis, MO, USA, in 2011 and 2014, respectively. He is Ph.D. advisor is Dr. Arye Nehorai.

His research interests include statistical signal processing, optimization, machine learning, and compressive sensing, with applications in smart grids.

Arye Nehorai (S'80–M'83–SM'90–F'94) received the B.Sc. and M.Sc. degrees from the Technion, Haifa, Israel, and the Ph.D. degree from Stanford University, Stanford, CA, USA.

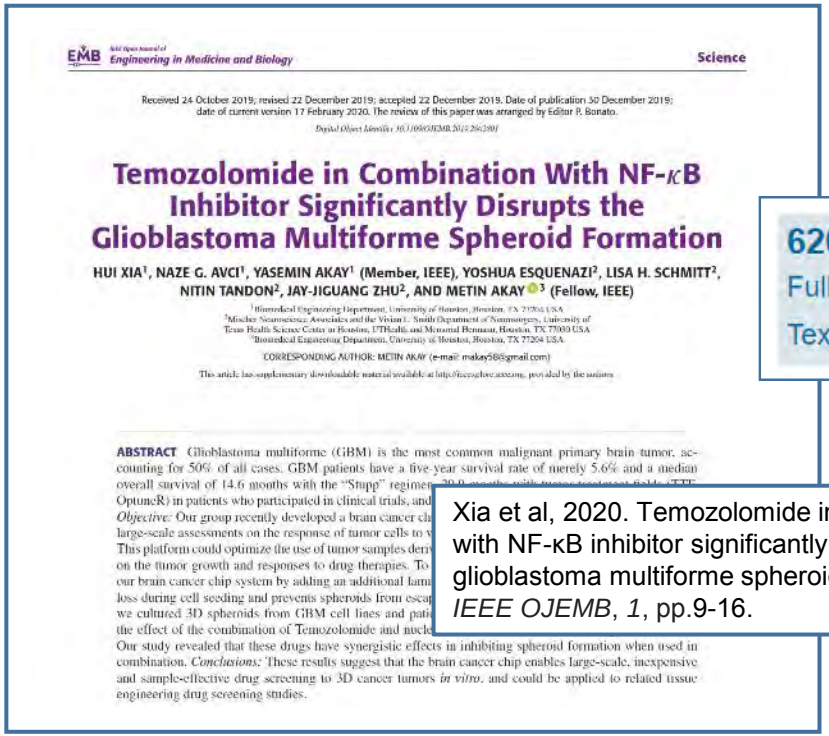
He is the Eugene and Martha Lohman Professor and Chair of the Preston M. Green Department of Electrical and Systems Engineering (ESE) at Washington University in St. Louis (WUSTL), St. Louis, MO, USA. Earlier, he was a faculty member at Yale University and the University of Illinois at Chicago.

Dr. Nehorai served as Editor-in-Chief of IEEE TRANSACTIONS ON SIGNAL PROCESSING from 2000 to 2002. From 2003 to 2005 he was the Vice President of the IEEE Signal Processing Society (SPS), the Chair of the Publications Board, and a member of the Executive Committee of this Society. He was the founding Editor of the special columns on Leadership Reflections in *IEEE Signal Processing Magazine* from 2003 to 2006. He has been a Fellow of the IEEE since 1994, the Royal Statistical Society since 1996, and the AAAS since 2012.

How is the science format different from the technology format?

Science Format (the format used by Science and Nature)

- Title
- Abstract
- Introduction
- Results
- Discussion
- Conclusions
- Methods
- References



EMB Engineering in Medicine and Biology

Science

Received 24 October 2019; revised 22 December 2019; accepted 22 December 2019. Date of publication 30 December 2019; date of current version 17 February 2020. The review of this paper was arranged by Editor P. Bonato.

Digital Object Identifier 10.1109/OJEMB.2019.2963260

Temozolomide in Combination With NF-κB Inhibitor Significantly Disrupts the Glioblastoma Multiforme Spheroid Formation

HUI XIA[1], NAZE G. AVCI[1], YASEMIN AKAY[1] (Member, IEEE), YOSHUA ESQUENAZI[2], LISA H. SCHMITT[2], NITIN TANDON[2], JAY-JIGUANG ZHU[2], AND METIN AKAY[3] (Fellow, IEEE)

[1]Biomedical Engineering Department, University of Houston, Houston, TX 77004 USA
[2]Mischer Neuroscience Associates and the Vivian L. Smith Department of Neurosurgery, University of Texas Health Science Center at Houston, UTHealth and Memorial Hermann, Houston, TX 77030 USA
[3]Biomedical Engineering Department, University of Houston, Houston, TX 77204 USA

CORRESPONDING AUTHOR: METIN AKAY (e-mail: makay586@gmail.com)

This article has supplementary downloadable material available at http://ieeexplore.ieee.org, provided by the authors.

ABSTRACT Glioblastoma multiforme (GBM) is the most common malignant primary brain tumor, accounting for 50% of all cases. GBM patients have a five-year survival rate of merely 5.6% and a median overall survival of 14.6 months with the "Stupp" regimen [illegible] OptuneR) in patients who participated in clinical trials, and [illegible] *Objective:* Our group recently developed a brain cancer ch[illegible] large-scale assessments on the response of tumor cells to v[illegible] This platform could optimize the use of tumor samples deri[illegible] on the tumor growth and responses to drug therapies. To[illegible] our brain cancer chip system by adding an additional lam[illegible] loss during cell seeding and prevents spheroids from escap[illegible] we cultured 3D spheroids from GBM cell lines and pati[illegible] the effect of the combination of Temozolomide and nucle[illegible] Our study revealed that these drugs have synergistic effects in inhibiting spheroid formation when used in combination. *Conclusions:* These results suggest that the brain cancer chip enables large-scale, inexpensive and sample-effective drug screening to 3D cancer tumors *in vitro*, and could be applied to related tissue engineering drug screening studies.

62067 Full Text Views

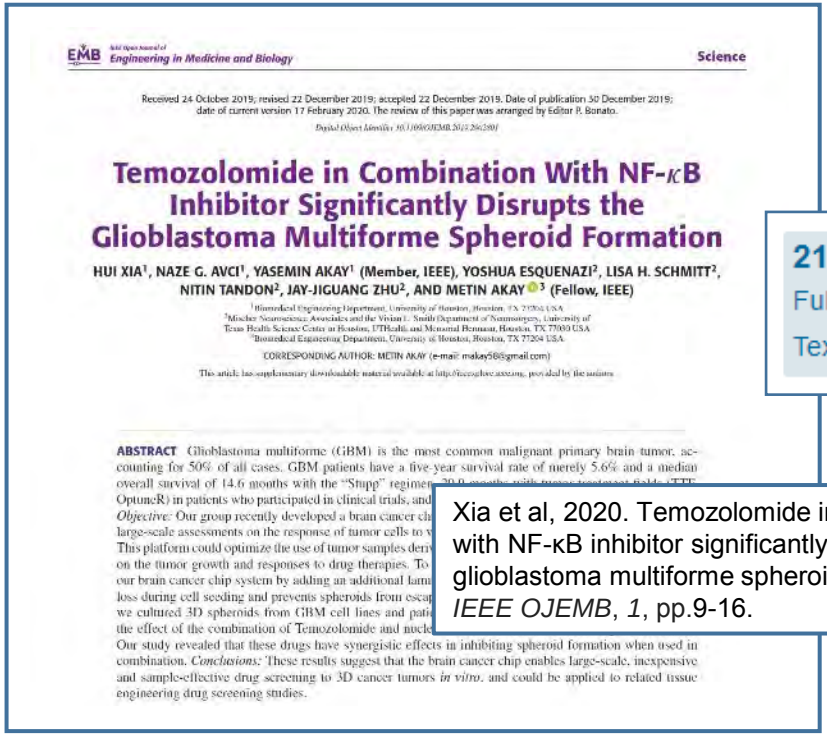
Xia et al, 2020. Temozolomide in combination with NF-κB inhibitor significantly disrupts the glioblastoma multiforme spheroid formation. *IEEE OJEMB*, *1*, pp.9-16.

https://ieeexplore.ieee.org/document/9208795

IEEE

Science Format (the format used by Science and Nature)

- Provide in the Introduction the information needed for an expert in the field to read the Results section
- The Methods section should be succinct (i.e., provide only essential information)
- Use the Supplementary Materials section to provide details about the methodology used and/or developed in the study



EMB Engineering in Medicine and Biology — Science

Received 24 October 2019; revised 22 December 2019; accepted 22 December 2019. Date of publication 30 December 2019; date of current version 17 February 2020. The review of this paper was arranged by Editor P. Bonato.

Temozolomide in Combination With NF-κB Inhibitor Significantly Disrupts the Glioblastoma Multiforme Spheroid Formation

HUI XIA[1], NAZE G. AVCI[1], YASEMIN AKAY[1] (Member, IEEE), YOSHUA ESQUENAZI[2], LISA H. SCHMITT[2], NITIN TANDON[2], JAY-JIGUANG ZHU[2], AND METIN AKAY[3] (Fellow, IEEE)

CORRESPONDING AUTHOR: METIN AKAY (e-mail: makay58@gmail.com)

ABSTRACT Glioblastoma multiforme (GBM) is the most common malignant primary brain tumor, accounting for 50% of all cases. GBM patients have a five-year survival rate of merely 5.6% and a median overall survival of 14.6 months with the "Stupp" regimen

21336 Full Text Views

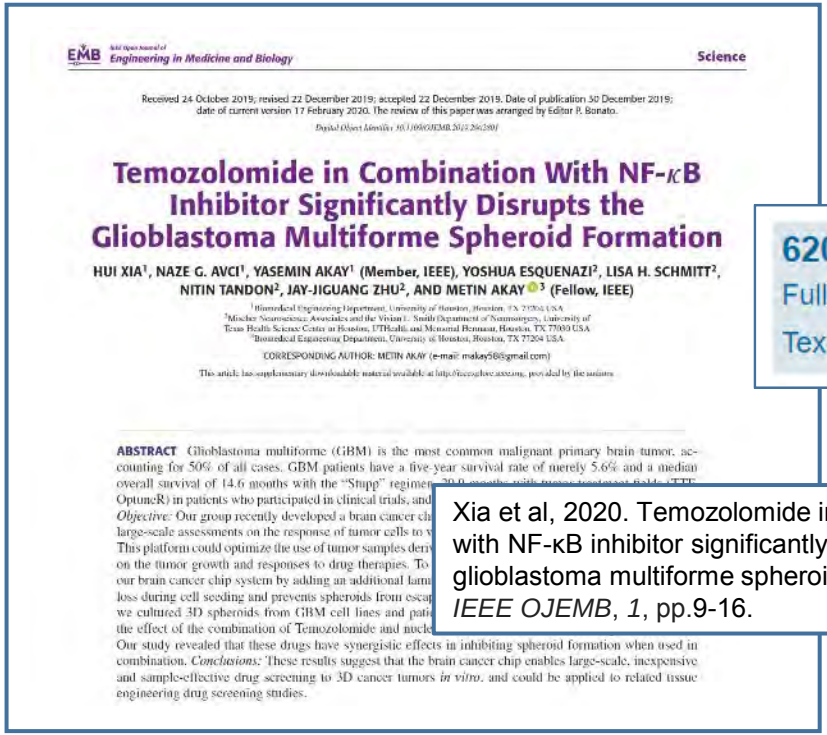
Xia et al, 2020. Temozolomide in combination with NF-κB inhibitor significantly disrupts the glioblastoma multiforme spheroid formation. *IEEE OJEMB*, *1*, pp.9-16.

https://ieeexplore.ieee.org/document/9208795

IEEE

Science Format (the format used by Science and Nature)

- Provide in the Introduction the information needed for an expert in the field to read the Results section
- The Methods section should be succinct (i.e., provide only essential information)
- Use the Supplementary Materials section to provide details about the methodology used and/or developed in the study



EMB Engineering in Medicine and Biology — Science

Received 24 October 2019; revised 22 December 2019; accepted 22 December 2019. Date of publication 30 December 2019; date of current version 17 February 2020. The review of this paper was arranged by Editor P. Bonato.

Temozolomide in Combination With NF-κB Inhibitor Significantly Disrupts the Glioblastoma Multiforme Spheroid Formation

HUI XIA[1], NAZE G. AVCI[1], YASEMIN AKAY[1] (Member, IEEE), YOSHUA ESQUENAZI[2], LISA H. SCHMITT[2], NITIN TANDON[2], JAY-JIGUANG ZHU[2], AND METIN AKAY[3] (Fellow, IEEE)

CORRESPONDING AUTHOR: METIN AKAY (e-mail: makay58@gmail.com)

ABSTRACT Glioblastoma multiforme (GBM) is the most common malignant primary brain tumor, accounting for 50% of all cases. GBM patients have a five-year survival rate of merely 5.6% and a median overall survival of 14.6 months with the "Stupp" regimen

62067 Full Text Views

Xia et al, 2020. Temozolomide in combination with NF-κB inhibitor significantly disrupts the glioblastoma multiforme spheroid formation. *IEEE OJEMB*, *1*, pp.9-16.

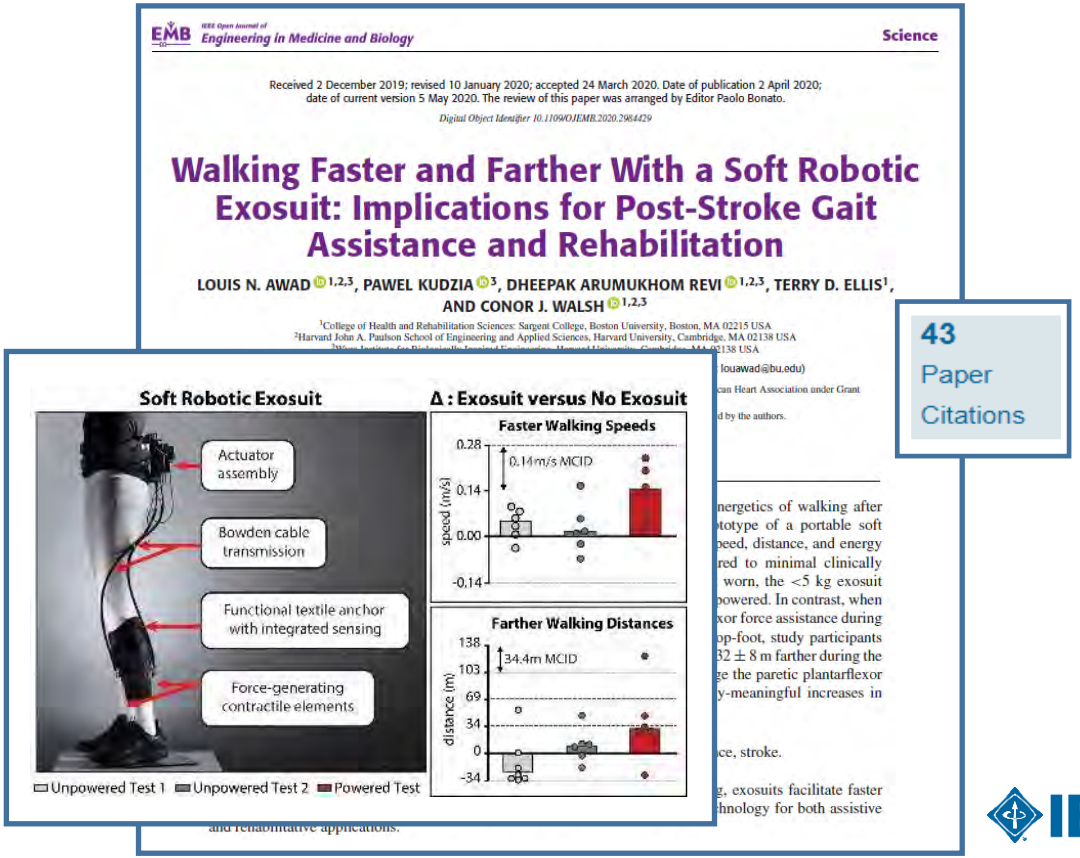
https://ieeexplore.ieee.org/document/9208795

IEEE

Why the Science Format?

IEEE OPEN ACCESS OJEMB

Because good engineering work is “good science” with significant impact on “real-world problems” …



EMB IEEE Open Journal of Engineering in Medicine and Biology — Science

Received 2 December 2019; revised 10 January 2020; accepted 24 March 2020. Date of publication 2 April 2020; date of current version 5 May 2020. The review of this paper was arranged by Editor Paolo Bonato.

Digital Object Identifier 10.1109/OJEMB.2020.2984029

Walking Faster and Farther With a Soft Robotic Exosuit: Implications for Post-Stroke Gait Assistance and Rehabilitation

LOUIS N. AWAD [1,2,3], PAWEL KUDZIA [3], DHEEPAK ARUMUKHOM REVI [1,2,3], TERRY D. ELLIS[1], AND CONOR J. WALSH [1,2,3]

[1]College of Health and Rehabilitation Sciences: Sargent College, Boston University, Boston, MA 02215 USA
[2]Harvard John A. Paulson School of Engineering and Applied Sciences, Harvard University, Cambridge, MA 02138 USA
[3]Wyss Institute for Biologically Inspired Engineering, Harvard University, Cambridge, MA 02138 USA

louawad@bu.edu)

can Heart Association under Grant

d by the authors.

nergetics of walking after
totype of a portable soft
peed, distance, and energy
red to minimal clinically
worn, the <5 kg exosuit
powered. In contrast, when
xor force assistance during
op-foot, study participants
32 ± 8 m farther during the
ge the paretic plantarflexor
y-meaningful increases in

ce, stroke.

g, exosuits facilitate faster
hnology for both assistive

and rehabilitative applications.

Soft Robotic Exosuit

Actuator assembly

Bowden cable transmission

Functional textile anchor with integrated sensing

Force-generating contractile elements

Unpowered Test 1 Unpowered Test 2 Powered Test

Δ : Exosuit versus No Exosuit

Faster Walking Speeds

0.28
0.14
0.00
-0.14
speed (m/s)
0.14 m/s MCID

Farther Walking Distances

138
103
69
34
0
-34
distance (m)
34.4m MCID

43 Paper Citations

IEEE

The importance of ethics in publishing

Types of Misconduct

Conflict of Interest

- A financial or other relationship with the publication at odds with the unbiased presentation of data or analysis

Plagiarism

- Copying another person's work word for word or paraphrasing without proper citation

Author Attribution

- Must be given if you use another author's ideas in your article, even if you do not directly quote a source

Author Contributions

- Include all who have made a substantial intellectual contribution to the work
- Do not include minor contributors, but include acknowledgment of contribution

Ethical publishing – Plagiarism

Avoid plagiarism

- Cite and separate any verbatim copied material
- Paraphrase other's text properly, and be sure to include citations
- Credit any ideas from other sources
- Familiarize yourself with IEEE Policies

For more information on publishing ethics:

https://journals.ieeeauthorcenter.ieee.org/become-an-ieee-journal-author/publishing-ethics

IEEE

Ethics

Duplicate submissions

- Submit to only one journal at a time
- Avoid submitting an article which is the same or very similar to a previous one
- However… a conference paper can evolve into a journal article
- IEEE recognizes that technical research is often published first as a conference article with preliminary findings. As those initial findings become fully developed, the conference article can evolve into a journal article which contains your more developed research and conclusions. IEEE supports this evolutionary publishing process provided that:
  - Both the earlier and later articles undergo standard peer review
  - The later article contains substantially more information than the earlier
  - The later article cites the earlier article and clearly indicates how the two articles differ

Ethics

Ethical publishing – Duplication, Redundancies and Multiple Submissions

- **Author must submit original work that:**
  - Has not appeared elsewhere for publication
  - Is not under review for another refereed publication
  - Cites previous work
  - Indicates how it differs from the previously published work
  - Authors MUST **inform the editor** when submitting any previously published work

Getting Published Can be Challenging

It might take time to reach your publishing goal, but the process is a benefit for both you and the scientific community

- For a new author, the process of getting published can be long and even frustrating if their initial attempts end in **rejection**.
- And rejection is a very likely initial outcome because the **vast majority** of papers submitted to a reputable scholarly journal will get rejected.
- However, these quality standards and **rejections are a benefit** to the scientific process and the scholarly community – and the author!
- This process helps **raise the level of quality** of the corpus of scientific literature available to the community, benefiting all researchers globally
- **Authors receive vital feedback** from reviewing experts, can improve their work, and finally publish a new and improved paper in a leading journal.
- **Stay the course** – it will be worth it to your research, career and institution!

IEEE

Thank you!

IEEE OPEN ACCESS
OJEMB
IEEE OPEN JOURNAL OF ENGINEERING IN MEDICINE AND BIOLOGY

Paolo Bonato, PhD
Editor-in-Chief, IEEE Open Journal of Engineering in Medicine and Biology
Harvard Medical School, USA
pbonato@mgh.harvard.edu

https://www.embs.org/ojemb/

IEEE

IEEE X*plore*: Research Strategies and Tools for Authors

Plus more tips on selecting your target publication

Eszter Lukacs
Client Services Manager
IEEE

Beware of Predatory Publishers

How to Spot and Avoid Predatory Publishers

Here is a list of warning signs:

- **Suspicious Calls for Papers:** Are you familiar with the journal? Does it make vague or exaggerated claims about its readership or citations? Is it practically "**guaranteeing"** that your work will be published? If so, this could be a red flag.
- **Reputation of Publisher:** Are you unfamiliar with the publisher? Does the publisher's website look professional? Can you find information on the history and mission of the organization?
- **Journal Quality:** One of the many factors that academia commonly uses in assessing journal quality is citation metrics. Is the journal highly cited? Does it have an Impact Factor (IF), Eigenfactor, Article Influence Score or other citation metrics? Can you tell if the metric is an actual score or a "publisher estimate"? Can you verify this information in Clarivate's annual Journal Citation Report?

IEEE

How to Spot and Avoid Predatory Publishers

- **Editorial Board:** Is the journal's editorial board listed online? Can you find profiles of the editors in Web of Science or Google Scholar? Can you find a profile of the editor on their employer or institution's site?
- **Indexing:** Is the journal listed and indexed in scholarly journal databases such as Web of Science, Scopus, or the Directory of Open Access Journals (DOAJ)?
- **Editorial and Publication Practices:** Each journal should provide links to its publishing principles, ethics guidelines, and copyright practices. If a journal requires a transfer of copyright for publishing an open access article, that may be another red flag.
- **Peer Review:** Many predatory journals do not offer peer review since the goal is to publish as much as possible. Explore the publisher website to find out more about the peer-review process and inquire for more information about what to expect.

Not Quite Sure? Ask for Help!

- **Do Your Research on a Publisher:** Keep in mind that you are putting your professional reputation at stake with your publishing decision.
- **Reviews CFPs Carefully:** Are you sure that a call for papers (CFP) is legitimate? Predatory journals sometimes have a name that might "sound similar" to a reputable journal in order to confuse the prospective author.
- **Trust Your Instincts:** Does something else seem not quite right about a journal's call for papers but you are not sure what?
- **If not sure, then ask for help**. If you have any concerns about a journal, talk to your colleagues, faculty, or your university librarian who can help you ensure that the journal you choose for your next article is the right choice for your work and career.

Your **research problem** must contribute **new** and **important** knowledge to your field

- **Conduct a literature review**
- Take notes and keep track
- Gather references and citations

Personalize Your IEEE *Xplore* Experience

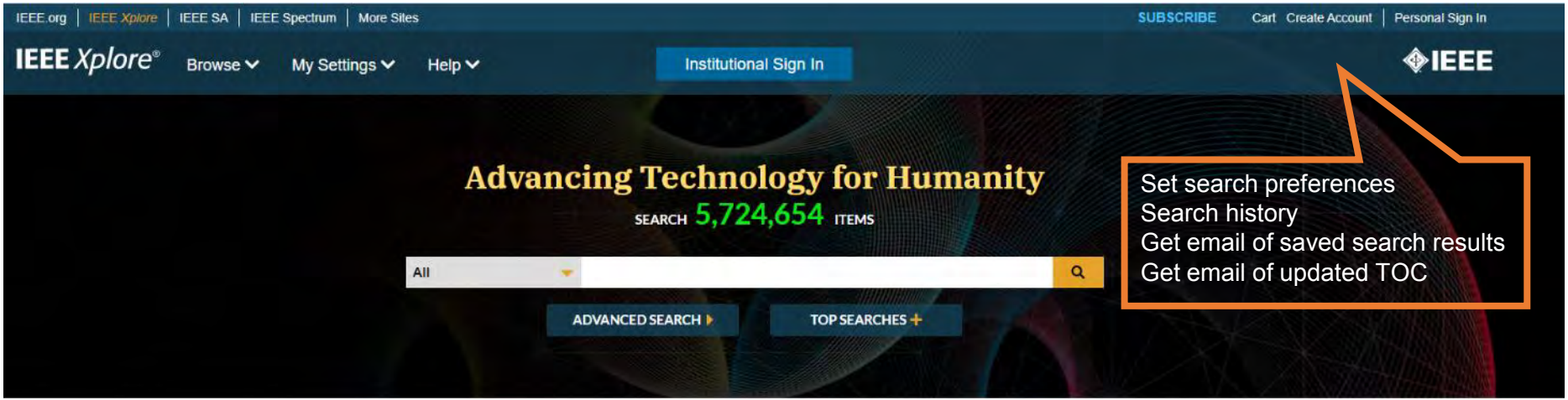
Start by signing up for an IEEE *Xplore* Personal Account

Benefits of a Personal Account

Anyone can sign up for a free IEEE Account on IEEE *Xplore*. A personal account allows you to:

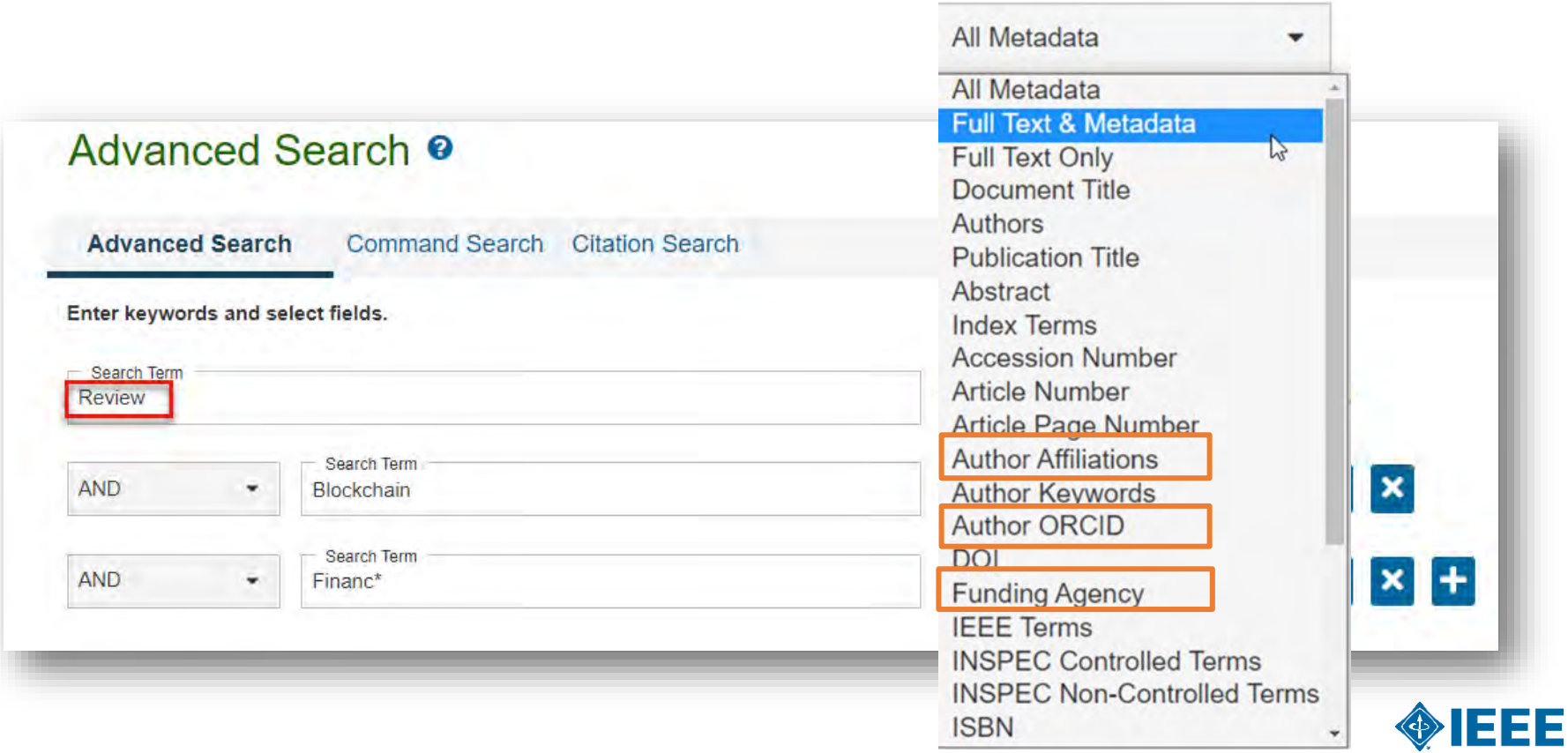
- Set search preferences
- Save searches and search history
- View history of purchased documents
- Get email or RSS alerts of saved search results
- “My Research Projects” to save key documents
- Alerts to follow the work of favorite authors
- Bookmark your favorite journals

Setting Up a Free Personal Account

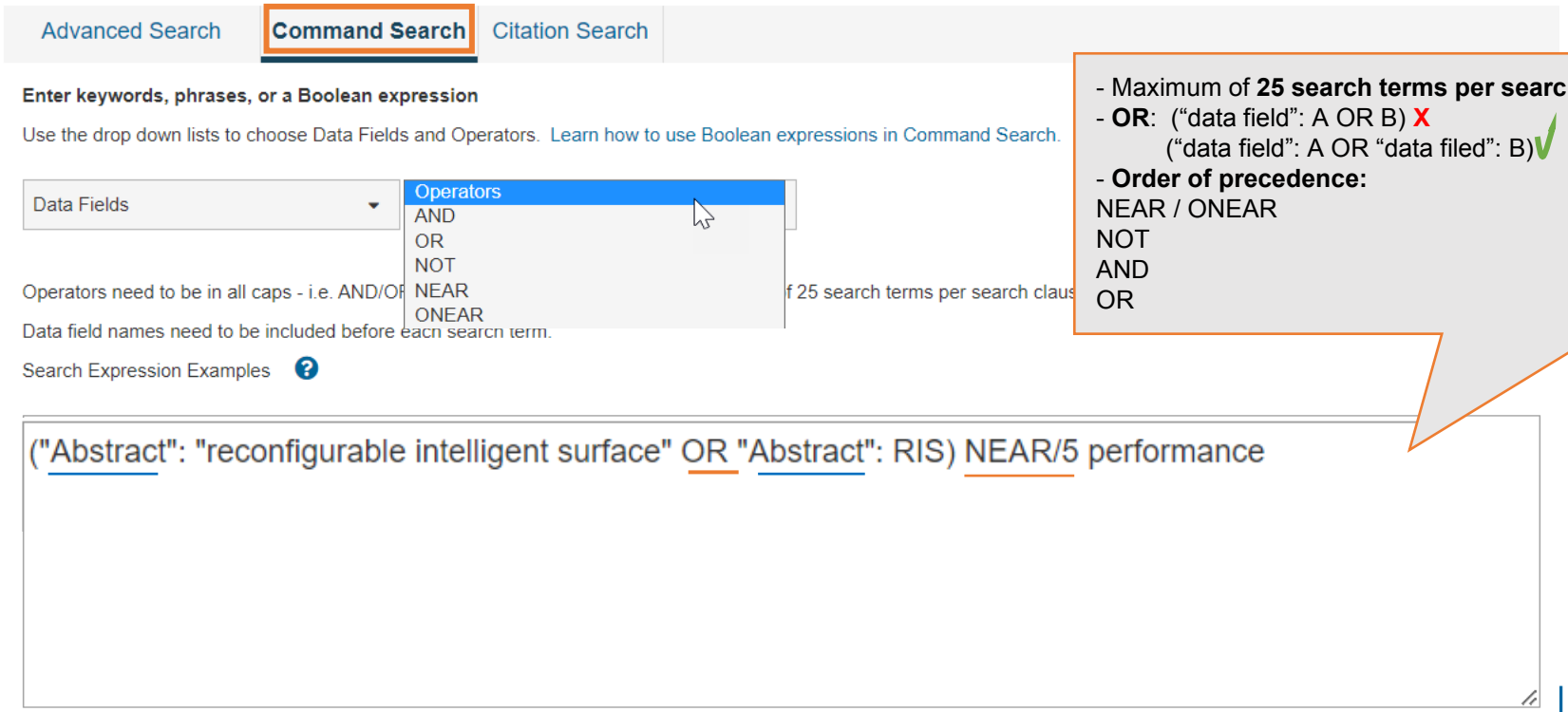


IEEE

More Complex Searches: Structured Advanced Search



Command Search: Fewer and more targeted search results



- Maximum of **25 search terms per search clause**
- **OR**: (“data field”: A OR B) **X**
  (“data field”: A OR “data filed”: B) ✓
- **Order of precedence:**

NEAR / ONEAR
NOT
AND
OR

Once You Know the Key Authors, dive into their profiles

Follow This Author

Robert Schober

Also published under: R. Schober

Affiliation

Institute for Digital Communications, Friedrich-Alexander University Erlangen-Nürnberg (FAU),Germany

Publication Topics

optimisation, array signal processing, MIMO communication, wireless channels, resource allocation, interference suppression, telecommunication power management, concave programming, convex programming, iterative methods, autonomous aerial vehicles, multi-access systems, telecommunication network reliability, cellular radio, computational complexity, energy harvesting, quality of service, radiofrequency interference, approximation theory, decoding, antenna arrays, molecular communication (telecommunication), channel estimation, intelligent materials, minimisation

Show Less

Biography

Robert Schober (Fellow, IEEE) received the Diplom (Univ.) and the Ph.D. degrees in electrical engineering from Friedrich-Alexander University of Erlangen-Nuremberg (FAU), Germany, in 1997 and 2000, respectively. From 2002 to 2011, he was a Professor and Canada Research Chair at the University of British Columbia (UBC), Vancouver, Canada. Since January 2012 he is an Alexander von Humboldt Professor and the Chair for Digital Communication at FAU. His research interests fall into the broad areas of Communication Theory, Wireless

Publications	Citations
825	27,783

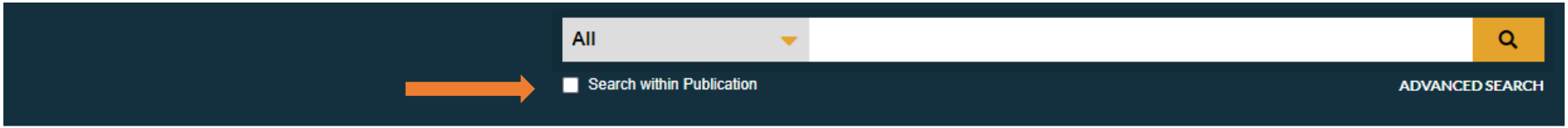
Publications by Year

Co-Authors:

Katharina Ackermann
Monika Agrawal
Arman Ahmadzadeh
Imtiaz Ahmed
Doaa Ahmed

Show All Co-Authors (458)

Browse Publication by Topic and Search Within Publication



Browse Journals & Magazines > IEEE Transactions on Wireless ...

IEEE Transactions on Wireless Communications

Submit Manuscript | Add Title To My Alerts | Add to My Favorites

Home | Popular | Early Access | Current Issue | All Issues | About Journal

8.346	0.0498	1.852	15.7
Impact Factor	Eigenfactor	Article Influence Score	CiteScore Powered by Scopus

Journals (11)

Year

Publisher: IEEE Years: 2020 - Present Most Recent Issue

IEEE Open Journal of the Communications Society

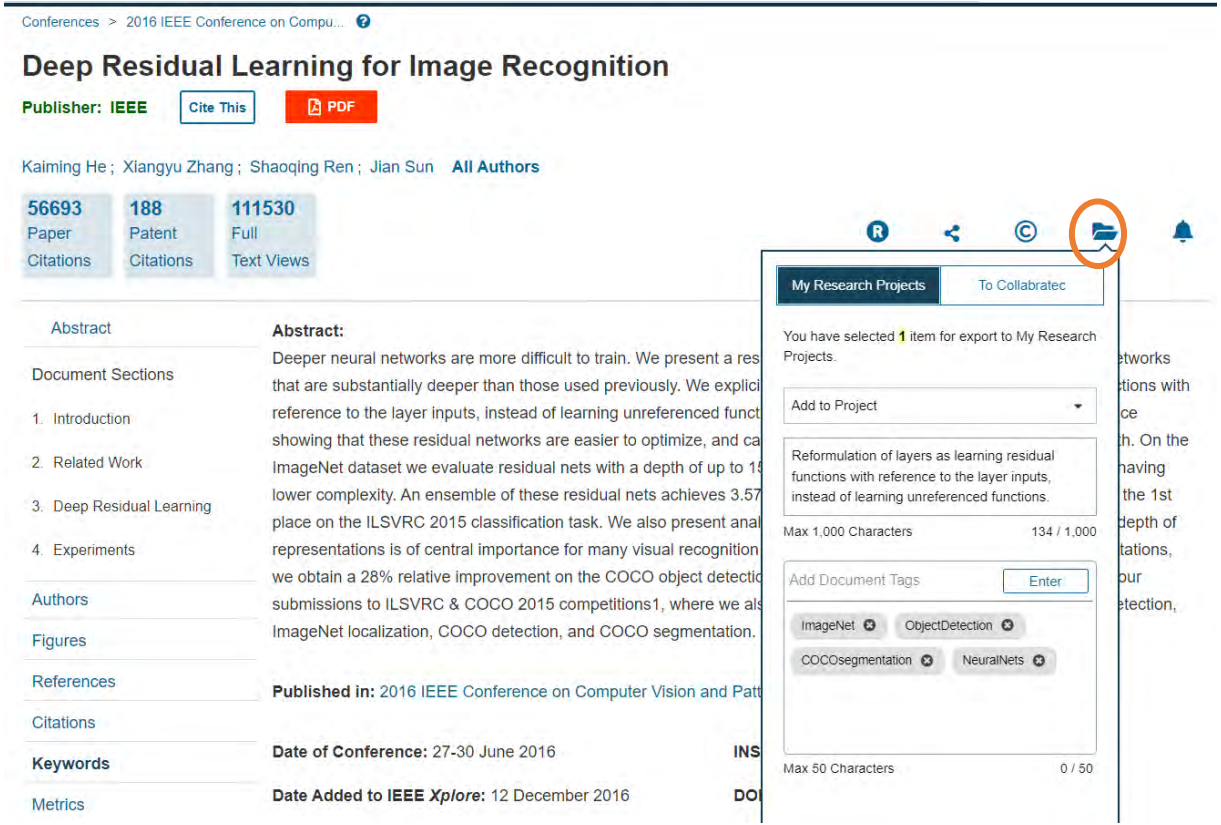
Publisher: IEEE Years: 2020 - Present Most Recent Issue

IEEE

Your **research problem** must contribute **new** and **important** knowledge to your field

- Conduct a literature review
- **Take notes and keep track**
- Gather references and citations

My Research Projects

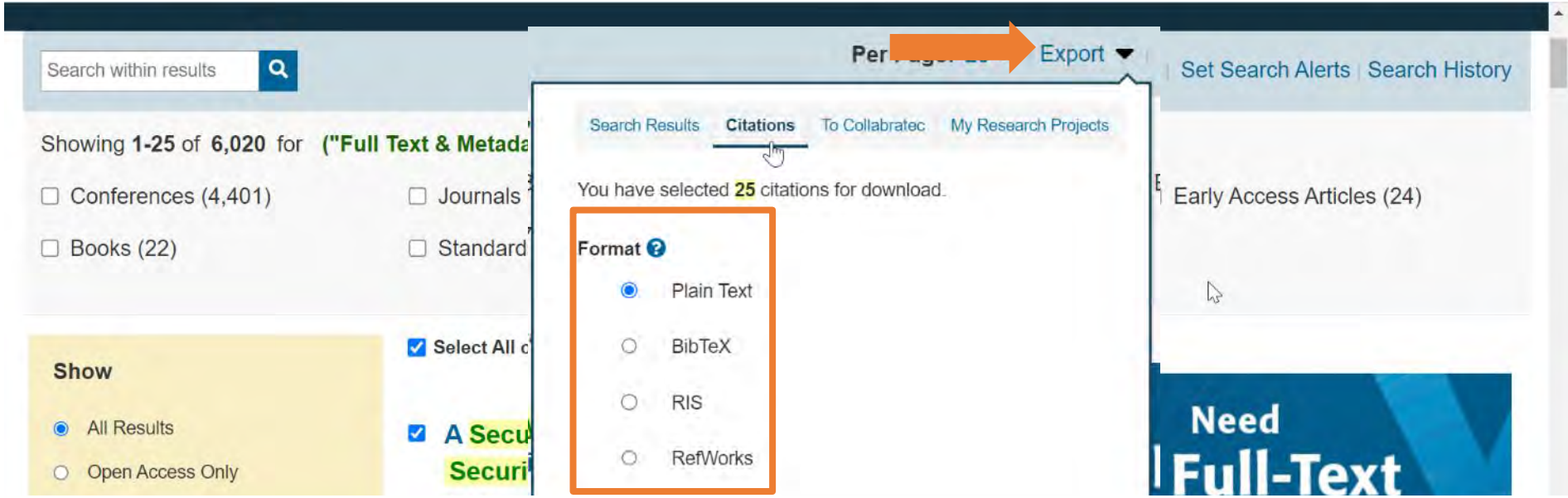


- Create up to 15 projects and add up to 1,000 documents in each project.
- Use custom tags to connect documents with matching concepts within projects.

Gather References & Citations

- Conduct a Literature Review
- Take Notes & Keep Track
- **Gather References and Citations**

Download or Save Citations from Result List



A. Aigner and A. Khelil, "A Security Scoring Framework to Quantify Security in Cyber-Physical Systems," *2021 4th IEEE International Conference on Industrial Cyber-Physical Systems (ICPS)*, Victoria, BC, Canada, 2021, pp. 199-206.
doi: 10.1109/ICPS49255.2021.9468168
keywords: {Adaptation models;Connected vehicles;Automation;Conferences;Cyber-physical systems;Data models;Critical infrastructure;Security Scoring;Security Rating;Security Metric;Threat Analysis;Industrial Cyber-Physical Systems},
URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9468168&isnumber=9468113

R. L. A. Tavares, R. d. O. Albuquerque and W. F. Giozza, "Effectiveness evaluation of a nuclear facility security system under a cyber-physical attack scenario," *2022 17th Iberian Conference on Information Systems and Technologies (CISTI)*, Madrid, Spain, 2022, pp. 1-6.
doi: 10.23919/CISTI54924.2022.9820179
keywords: {Training;Analytical models;Digital systems;Probabilistic logic;Nuclear power generation;Critical infrastructure;Security;nuclear security;cyber security;critical infrastructure},
URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9820179&isnumber=9819977

How to promote your research

Follow

Romano Fantacci

Also published under: R. Fantacci

Affiliation

Department of Information Engineering
University of Florence
Florence, Italy

Publication Topics

delays, optimisation, probability, queueing theory, recurrent neural nets, 6G mobile communication, Internet, Internet of Things, Markov processes, OFDM modulation, artificial intelligence, cellular radio, cognitive radio, condition monitoring, learning (artificial intelligence), optical fibre networks, quantum

Show More

Biography

Romano Fantacci (Fellow, IEEE) received the M.S. degree in electrical engineering and the Ph.D. degree in computer networks from the University of Florence, Florence, Italy.,He is currently a Full Professor of computer networks at the University of Florence, where he heads the Wireless Networks Research Laboratory. His current research interests include several fields of wireless engineering and computer communication networking, including, in particular, performance evaluation and optimization of wireless networks, emerging generations of wireless standards, cognitive wireless communications and networks, and satellite communications and systems. He was elected as a fellow of the IEEE, in 2005, for contributions to wireless communication networks. He is a member of the Steering Committee of IEEE Wireless Communications Letters and the IEEE Comsoc Fellows Evaluation Committee. He received several awards for his research, including the IEE Benefactor Premium, the 2002 IEEE Distinguished Contributions to Satellite Communications Award, the 2015 IEEE WTC Recognition Award, the IEEE Sister Society AEIT Young Research Award and the IARIA Best Paper Award, the IEEE IWCMC 2016 Best Paper Award, and the IEEE GLOBECOM 2016 Best Paper Award. He served as an Area Editor for the IEEE Transactions on Wireless Communications, an Associate Editor for the IEEE Transactions on Communications, IEEE Transactions on Wireless Communications, a Regional Editor for IET Communications, and an associate editor for several non-IEEE technical journals. He guest edited special issues for IEEE journals and magazines and served as a Symposium Chair for several IEEE conferences, including VTC, WCNC, PIRMC, ICC, and GLOBECOM. He also serves on the Board of Governors of the IEEE Sister Society AEIT and as an Area Editor for the IEEE Internet of Things Journal. *(Based on document published on 28 December 2022).* Show Less

Publications	Citations
309	3,434

Publications by Year

Co-Authors:

Ramon Aguero
L. M. Aiello
Cesare Alippi
F. Ananasso
A. Andreadis

Show All Co-Authors (253)

IEEE

ORCID
Connecting research and researchers

SIGN IN/REGISTER English

Search...

https://orcid.org/
0000-0001-5934-3321

Is this you? Sign in to start editing

Printable version

Name
Romano Fantacci

Other IDs

Scopus Author ID: 7006637220
ResearcherID: M-4708-2015
SciProfiles: 156058

Countries

Italy

Activities

Collapse all

Works (50 of 382) Sort

Items per page: 50 Page 1 of 8

A D2D-Aided Federated Learning Scheme With Incentive Mechanism in 6G Networks

IEEE Access
2023 | Journal article
DOI: 10.1109/ACCESS.2022.3232440
CONTRIBUTORS: Romano Fantacci; Benedetta Picano

Show more detail

Source: Crossref

An Efficient Flows Dispatching Scheme for Tardiness Minimization of Data-Intensive Applications in Heterogeneous Systems

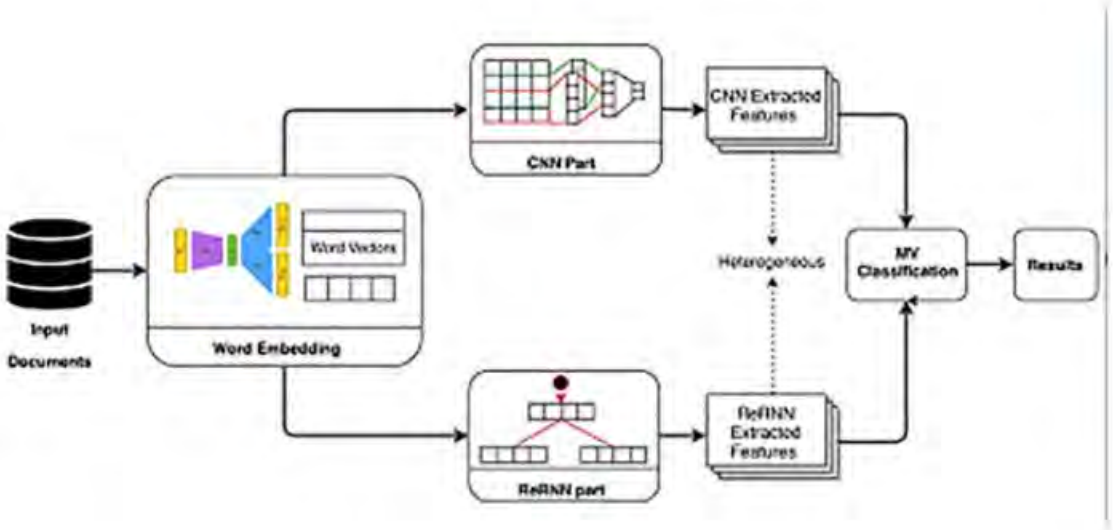
IEEE Transactions on Network Science and Engineering
2023 | Journal article
DOI: 10.1109/TNSE.2023.3253501
CONTRIBUTORS: Benedetta Picano; Enrico Vicario; Romano Fantacci

Show more detail

Source: Crossref

Publish graphical abstract and share it via Xplore on social media

Multi-View Deep Network: A Deep Model Based on Learning Features From Heterogeneous Neural Networks for Sentiment Analysis



Publish gr… a

Multi-View Deep … From
Heterogeneous …

Publisher: IEEE   Cite This

Hossein Sadr ; Mir Mohsen

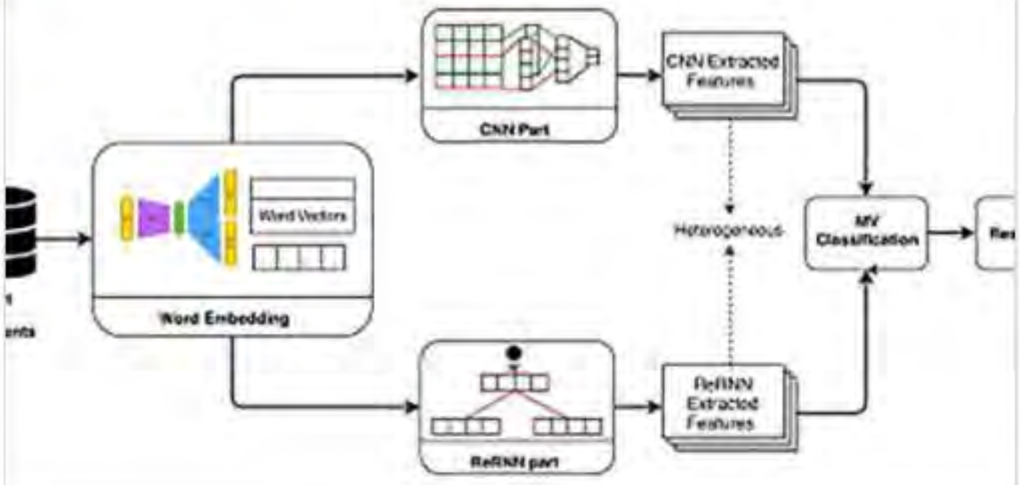
Open Access   Comm…

Abstract

Document Sections

I. Introduction

Eszter Lukács @IEEE_elukacs · Jetzt



ieeexplore.ieee.org

Multi-View Deep Network: A Deep Model Based on Learning Features ...

By the development of social media, sentiment analysis has changed to one of the most remarkable research topics in the field of natural ...

…ch topics in the field
…attitudes toward a
…ave been extensively used

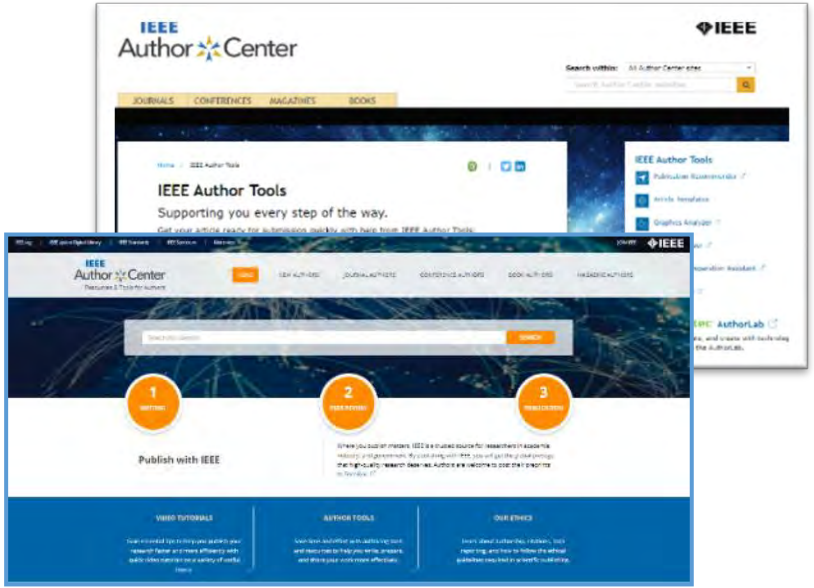
IEEE

Visit the IEEE Author Center

Get your article ready for submission quickly with help from IEEE Author Tools

Use the IEEE Author Center Support Tools to:

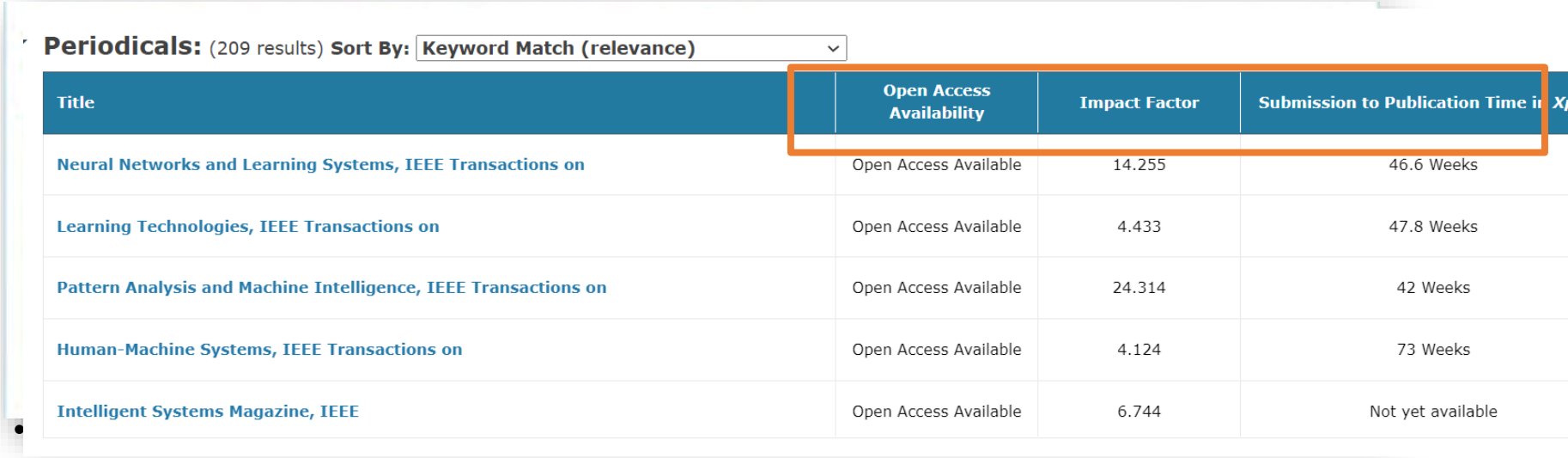
- Find the right periodical or conference for your research with the **IEEE Publication Recommender**
- Directly find and load the template for the publication you are planning to submit to by using the **IEEE Template Selector**
- Write and collaborate with **Overleaf**, an online authoring tool for LaTex and rich text documents (Overleaf Pro is free with an IEEE personal account)
- Speed up the article submission process by validating your LaTeX files with the **IEEE LaTeX Analyzer**
- Verify your reference list with **the IEEE Reference Preparation Assistant**
- Test if your article will display properly in the IEEE *Xplore*® Digital Library with the **IEEE PDF Checker**



ieeeauthorcenter.ieee.org

IEEE

Visit IEEE Author Center



Periodicals: (209 results) **Sort By:** Keyword Match (relevance)

Title	Open Access Availability	Impact Factor	Submission to Publication Time i
Neural Networks and Learning Systems, IEEE Transactions on	Open Access Available	14.255	46.6 Weeks
Learning Technologies, IEEE Transactions on	Open Access Available	4.433	47.8 Weeks
Pattern Analysis and Machine Intelligence, IEEE Transactions on	Open Access Available	24.314	42 Weeks
Human-Machine Systems, IEEE Transactions on	Open Access Available	4.124	73 Weeks
Intelligent Systems Magazine, IEEE	Open Access Available	6.744	Not yet available

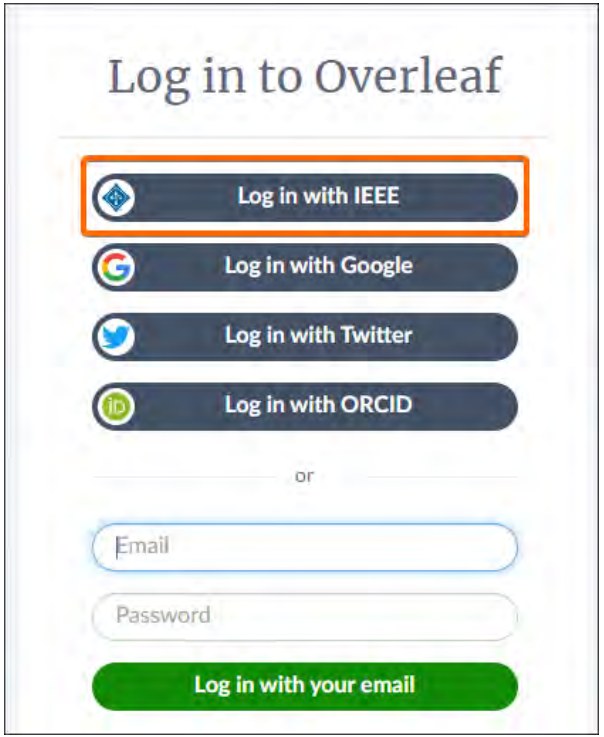
- Research Reproducibility

https://ieeeauthorcenter.ieee.org/

IEEE

Free Professional Overleaf account with IEEE account log-in

Login should work right on https://www.overleaf.com/login



- IEEE's agreement with Overleaf allows IEEE account holders to get a free Overleaf Pro account.
- Pro account allows unlimited collaborators, document history, tracked changes, and other important features which make this a significantly better tool for authors when compared to Overleaf's free plan.
- Note that if you previously created a free Overleaf account with your ieee.org email address, you would need to contact Overleaf's Customer Service department to have that account upgraded to the free Overleaf Pro account available via IEEE.

IEEE

More IEEE Open Science Solutions Available

Open Code from Studies

Upload code free of charge and users can access code without a subscription

Earliest Access to Studies

Preprint server to post early versions of articles for feedback, prior to peer review

Open Data from Studies

Publish large data sets associated with research studies with option to publish OA

IEEE Open Access Publications

IEEE offers 20+ Gold fully open access titles plus 160 hybrid journals

https://open.ieee.org/

IEEE

Publishing Options and Resources

Judy Brady
IEEE Regional Manager for Europe, the Middle East, Africa & Latin America
IEEE

IEEE *Xplore* Digital Library:

The source of more than **30% of the world's current literature** in electrical engineering, electronics, and computer science

- More than 5 million documents, 15 million downloads per month, and over 5 million unique users
- More than 1 million articles from over 200 top-cited IEEE journals, magazines, and transactions
- Over 3.8 million conference papers from as far back as 1936, with up to 200,000 added each year
- More than 4,800 approved and published IEEE standards
- Over 6,000 eBooks in nine collections

IEEE

IEEE Publications: Stay Current with Quality, Trusted Resources

Base your research on a quality resource you can trust.

Latest studies reinforce that IEEE has the **top cited publications** and **more top quartile publications** in IEEE fields of interest than any other publisher*. By Journal Impact Factor:

- 8 of the top 10 journals in Electrical & Electronic Engineering
- 9 of the top 10 journals in Telecommunications
- 3 of the top 5 journals in Artificial Intelligence
- 3 of the top 5 journals in Computer Hardware & Architecture
- 3 of the top 5 journals in Software Engineering
- 3 of the top 5 journals in Imaging Science
- Cited in patents nearly 3x more than any other publisher**

* Source: 2021 Journal Citation Reports from Clarivate, released June 2022

** Source: 1790 Analytics. More info: www.ieee.org/citations and www.ieee.org/patentcitations

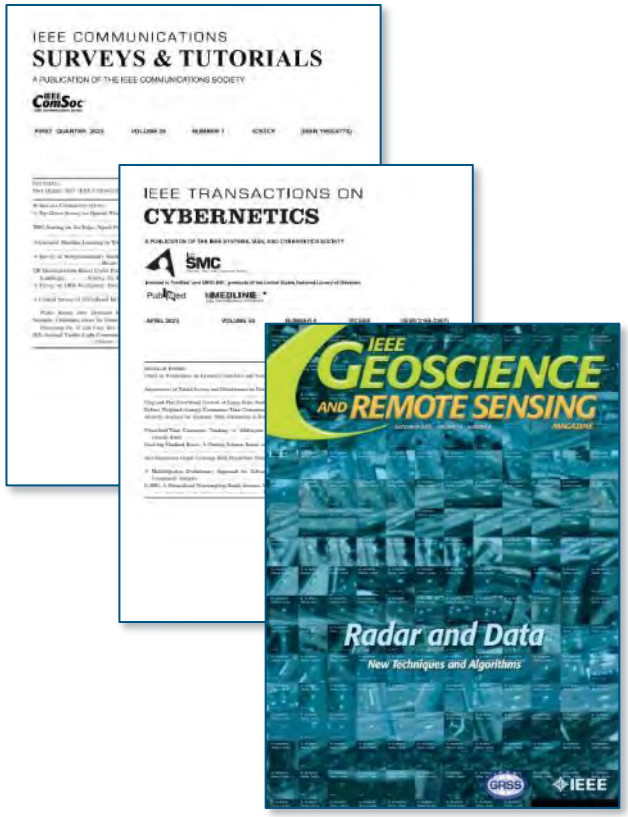
IEEE

IEEE Quality Makes an Impact

Journal Citation Reports® by Impact Factor

IEEE journals are:

- **# 1** in Automation and Control Systems
- **# 1** in Cybernetics
- **# 1** in Hardware & Architecture
- **# 1** in Imaging Science & Photographic Technology
- **# 1** in Information Systems
- **# 1** in Remote Sensing
- **# 1** in Telecommunications



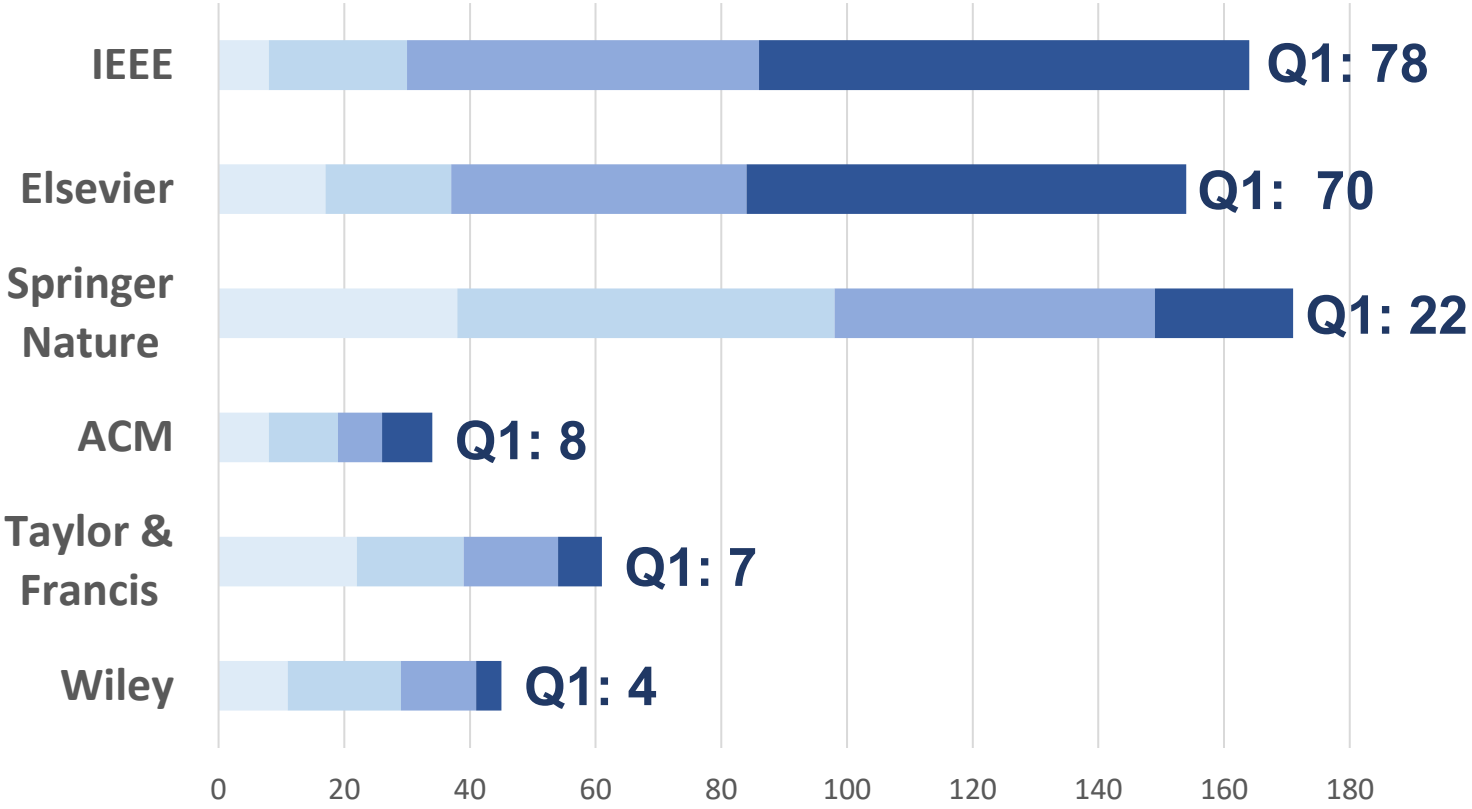
Source: Journal Citation Reports (Clarivate Analytics, 2022)

The Journal Citation Report presents quantifiable statistical data that provide a systematic, objective way to evaluate the world's leading journals.

IEEE

IEEE Leads in Top Quartile Ranked Publications

*Breakdown of Publisher Portfolios by JCR Quartile in IEEE Fields of Interest**



* Source: 2021 Journal Citation Reports from Clarivate based on rank for the Journal Impact Factor, released June 2022

IEEE

Going beyond the Impact Factor…
IEEE Journal Rankings by Eigenfactor

Electrical and Electronic Engineering

IEEE has 8 of the top 10 journals:

1. IEEE Access
2. Sensors
3. IEEE Transactions on Industrial Electronics
4. IEEE Transactions on Image Processing
5. IEEE Trans. on Pattern Analysis and Machine Intelligence
6. IEEE Transactions on Power Electronics
7. IEEE Transactions on Vehicular Technology
8. IEEE Transactions on Smart Grid
9. IEEE Transactions on Automatic Control
10. Automatica

Telecommunications

IEEE has the top 10 journals

1. IEEE Access
2. IEEE Transactions on Vehicular Technology
3. IEEE Internet of Things Journal
4. IEEE Transactions on Wireless Communications
5. IEEE Transactions on Antennas and Propagation
6. IEEE Communications Surveys and Tutorials
7. IEEE Transactions on Communications
8. IEEE Journal on Selected Areas in Communications
9. IEEE Communications Magazine
10. Journal of Lightwave Technology

Source: Journal Citation Reports (Clarivate Analytics, 2022)

IEEE

Going beyond the Impact Factor…
IEEE Journal Rankings by Article Influence Score (AIS)

Electrical and Electronic Engineering

IEEE has 9 of the top 10 journals:

1. Nature Electronics
2. IEEE Trans. on Pattern Analysis and Machine Intelligence
3. IEEE Signal Processing Magazine
4. Proceedings of the IEEE
5. IEEE Transactions on Image Processing
6. IEEE Journal on Selected Areas in Communications
7. IEEE Wireless Communications Magazine
8. IEEE Trans. on Neural Networks and Learning Systems
9. IEEE Vehicular Technology Magazine
10. IEEE Industrial Electronics Magazine

Telecommunications

IEEE has the top 10 journals

1. IEEE Communications Surveys and Tutorials
2. IEEE Journal on Selected Areas in Communications
3. IEEE Wireless Communications Magazine
4. IEEE Vehicular Technology Magazine
5. IEEE Communications Magazine
6. IEEE Network
7. IEEE Internet of Things Journal
8. IEEE Transactions on Wireless Communications
9. IEEE Transactions on Multimedia
10. IEEE Transactions on Communications

Source: Journal Citation Reports (Clarivate Analytics, 2022)

IEEE

Subscribed Content Continues to Grow in IEEE *Xplore*

Total IEEE subscribed content posted grew by an average of **5.2%** over the past 3 years*

	New IEEE Subscribed Documents Per Year	Growth in IEEE Subscribed Documents Per Year	
2022	273,956	↑ 2.5%	
2021	267,342	↑ 3.4%	
2020	258,592	↑ 9.9%	
2019	235,345	- 7.6%	Conf. posting delay due to system upgrade
2018	254,778	↑ 3.3%	

Subscribed content included in IEL (figures do not include OA content)

* IEEE content included in IEL includes journal, magazine, conference and standards documents exclusively available to subscribers.
Source: IEEE *Xplore* journal data queries Jan 2023, includes ephemera content, excludes early access content and OA content.
Conference paper information based on acquisition and posting data provided by the IEEE Meetings Conf. and Events (MCE) Team

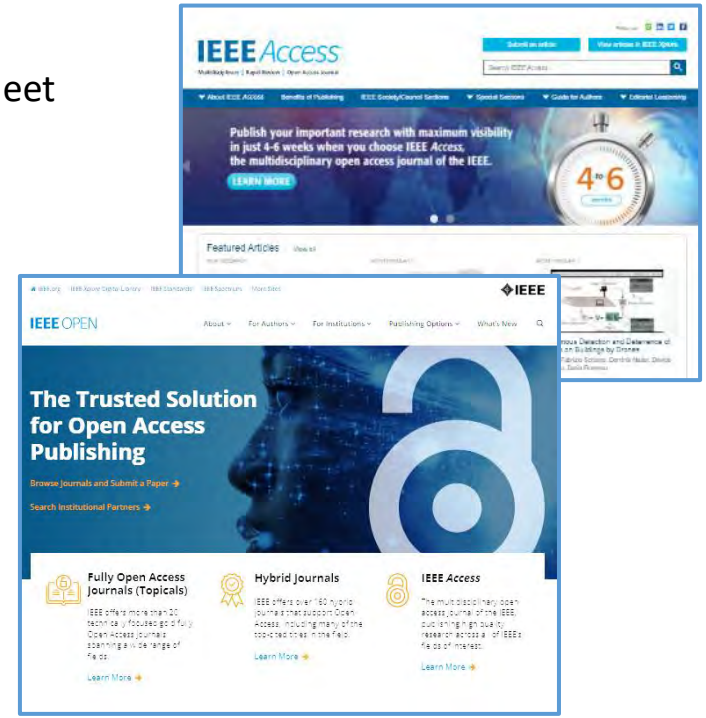
IEEE

IEEE's Evolving Open Access Program

To help authors gain maximum exposure for their groundbreaking research and application-oriented articles, IEEE offers nearly 200 different options for open access (OA) publishing, all designed to meet the varying needs of authors throughout their careers:

OA Publishing Options

1. **Hybrid Journals** - **160** journals and magazines spanning an array of technology fields. These titles have Transformative Status under Plan S.
2. **Fully Open Access Topical Journals** – **nearly 30 titles** and more coming soon
3. **Multidisciplinary OA journal** - **IEEE *Access***
   - IEEE's largest open access journal, over 60,000 articles since 2013
   - Highly cited journal in a range of fields
   - Rapid yet rigorous peer review process of 4 to 6 weeks.

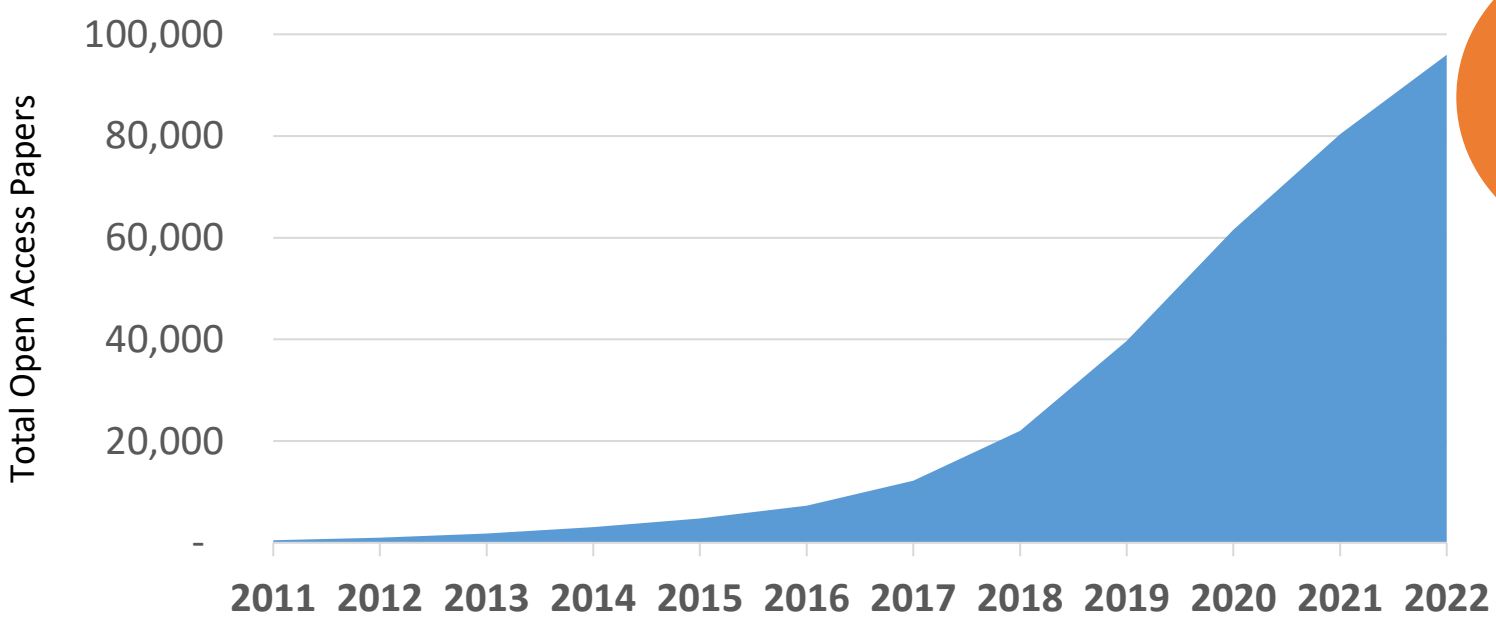


With the above options for authors, IEEE has published over 100,000 open access articles in IEEE *Xplore*.

IEEE Open Access Content Also Continues to Grow

IEEE has now published over **100,000** total OA papers via IEEE *Xplore*

Growth of Total IEEE Open Access Papers Over Time



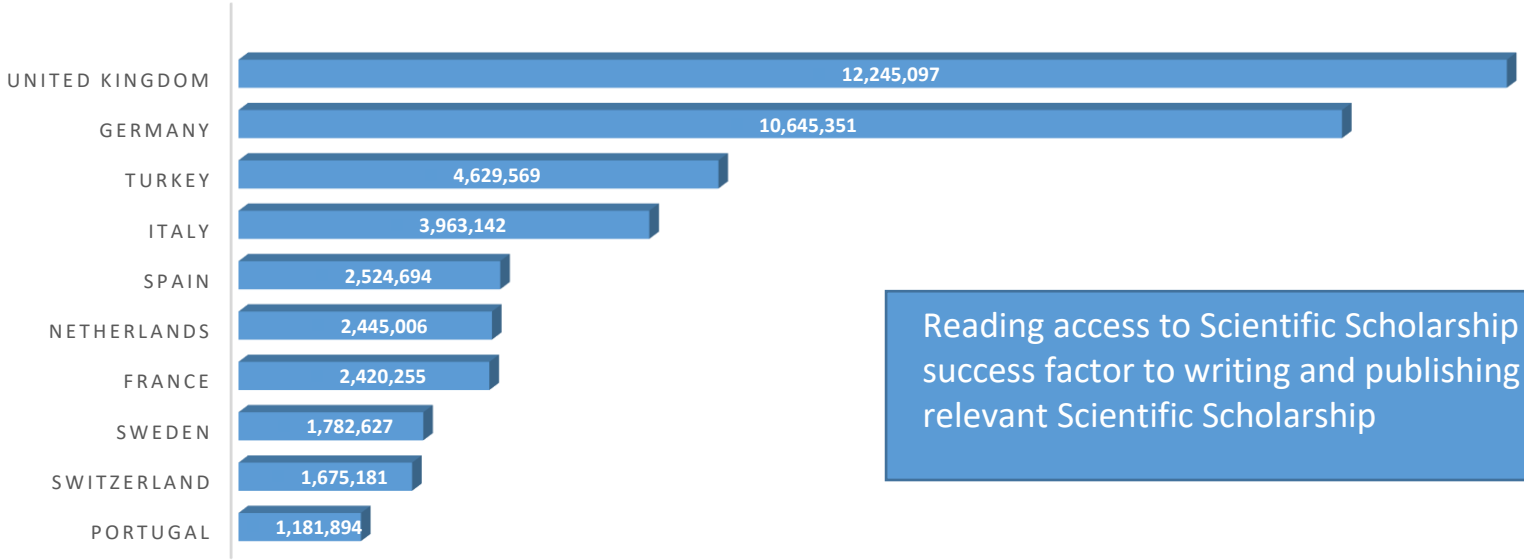
Over 100,000 total OA documents as of March 2023

Source: IEEE Xplore queries Jan 2023

IEEE

IEEE *Xplore* Digital Library – Reading Supports Writing

2022 FULL TEXT USAGE BY COUNTRY



Reading access to Scientific Scholarship is a critical success factor to writing and publishing innovative and relevant Scientific Scholarship

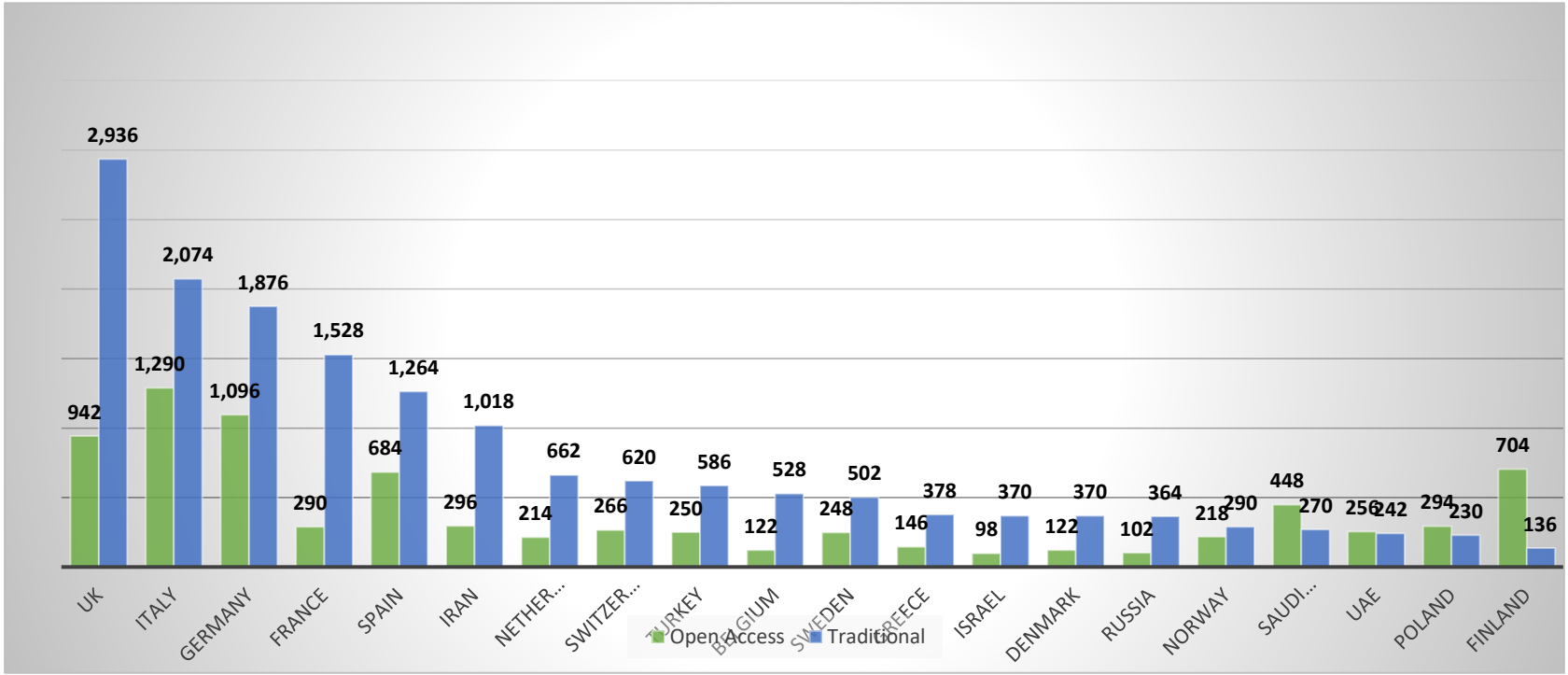
Source: 2022 Adobe Data

April 2023

IEEE

Europe & Middle East: Journal Article Output 2022

2022 IEEE corresponding journal author data



Source: IEEE Publications Department, 2022 Publishing Data based on published date
April 2023

IEEE publishes 29 fully Open Access journals

All hosted on the IEEE Xplore® Digital Library and are fully compliant with funder mandates, including Plan S.

- IEEE Access
- IEEE Open Journal of Antennas and Propagation
- IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
- IEEE Open Journal of Circuits and Systems
- IEEE Open Journal of the Communications Society
- IEEE Open Journal of the Computer Society
- IEEE Open Journal of Control Systems
- IEEE Journal of the Electron Devices Society
- IEEE Open Journal of Engineering in Medicine and Biology
- IEEE Journal on Exploratory Solid-State Computational Devices and Circuits
- IEEE Journal of Indoor and Seamless Positioning and Navigation **NEW for 2023**
- IEEE Open Journal of the Industrial Electronics Society
- IEEE Open Journal of Industry Applications
- IEEE Open Journal of Instrumentation and Measurement
- IEEE Open Journal of Intelligent Transportation Systems
- IEEE Transactions On Machine Learning in Communications and Networking **New for 2023**
- IEEE Journal of Microwaves
- IEEE Open Journal of Nanotechnology
- IEEE Transactions on Neural Systems and Rehabilitation Engineering
- IEEE Photonics Journal
- IEEE Open Access Journal of Power and Energy
- IEEE Open Journal of Power Electronics
- IEEE Transactions on Quantum Engineering
- IEEE Open Journal of Signal Processing
- IEEE Open Journal of the Solid-State Circuits Society
- IEEE Open Journal of Systems Engineering **New for 2023**
- IEEE Journal of Translational Engineering in Health and Medicine
- IEEE Open Journal of Ultrasonics, Ferroelectrics, and Frequency Control
- IEEE Open Journal of Vehicular Technology

More information: open.ieee.org

IEEE

Many authors choose IEEE *Access* for OA Publishing

Why?

- Outstanding editorial resources (over 1,200 expert associate editors and reviewers)
- Speedy submission-to-publication time (~6 weeks)
- Features many of the most popular articles in IEEE *Xplore*
- Geographically and topically diverse
- Excellent citations and impact factor for a multidisciplinary journal
  - Impact factor of 3.476 based on the 2021 Journal Citation Reports (Clarivate Analytics, 2022)
  - #1 title in Computer Science Information Systems by Eigenfactor
  - #1 title in Electrical Engineering by Eigenfactor
  - #1 title in Telecommunications by Eigenfactor

IEEE

IEEE Open Access Read & Publish Programs for Institutions

Covers both **Read and Publish** activity by all institutional users included in the agreement.

Benefits:

- Supports institutions and researchers in advancing open science
- Convenient for authors, encouraging open access publishing and broader dissemination of institution's scholarly output
- One annual fee makes it easier for administrators to track all relevant activity and manage funds
- Includes tools for managing and reporting Open Access fees and publications

Now more than 400 institutions globally have an open access agreement with IEEE. Does your institution have an OA agreement?

For more information, please visit: **open.ieee.org**

IEEE and University of California Sign Transformative Open Access Publishing Agreement

IEEE and CRUI Sign Three-Year Transformative Agreement to Accelerate Open Access Publishing in Italy

IEEE Reaches a Transformative Open Access Read and Publish Agreement with Finnish Consortium FinELib

IEEE and IReL Expand Access To Irish Technology Research with New Transformative Open Access Agreement

IEEE and CERN Agree to Transformative Open Access 'Read and Publish' Deal

Piscataway, N.J. – 27 May 2021 – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, announced today that it has entered an open access read and publish agreement with CERN, the European Organization for Nuclear Research, the world's largest particle physics research center located in Geneva, Switzerland.

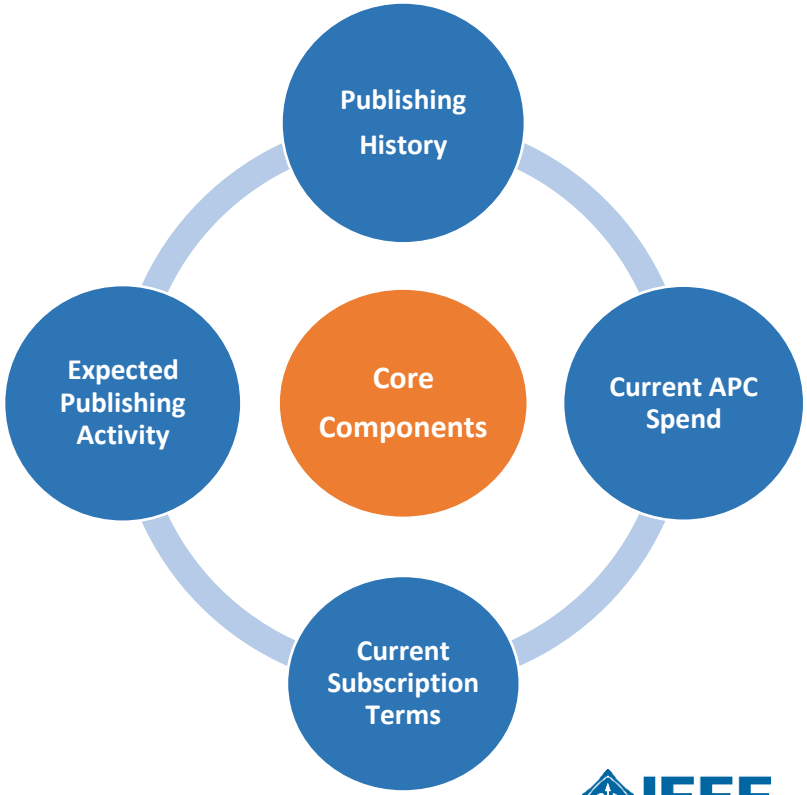
The transformative read and publish agreement enables CERN-corresponding authors to publish open access articles in all IEEE journals and combines reading access to over five million documents from the IEEE *Xplore* Digital Library, including scientific journals, conference proceedings, and IEEE standards. The agreement also makes it more convenient for authors to publish open access articles with IEEE as article processing charges (APCs) are prepaid by CERN's centrally funded IEEE open access APC account. CERN's authors are now able to publish open access articles in 160 leading hybrid journals and all fully open journals published by IEEE, making articles instantly available and free to read by the general public.

IEEE Read and Publish Program for Institutions

Publishing model factors to consider

IEEE considers following factors to develop a program proposal by institution or consortium:

- Publishing history of institution's authors via subscription-based or open access journals
- Current APC spend for open access articles
- Expected publishing activity over next 12 months
- Current subscription renewal terms and pricing



IEEE

IEEE OA Administration System

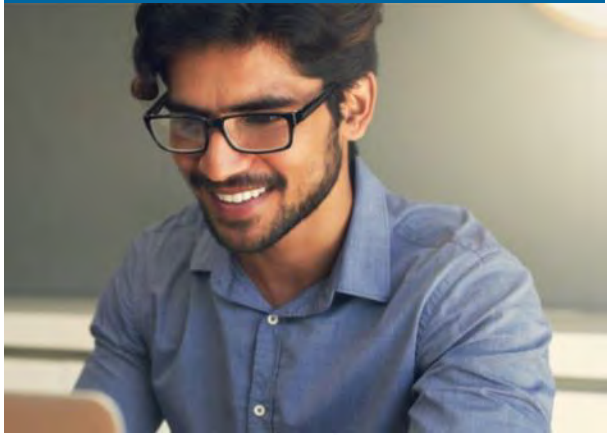
Available to all IEEE Open Access institutional customers!

RightsLink for Scientific Communications (RLSC) streamlines APC workflows, improves processing time, and enables detailed reporting

Key Benefits to Institutions

- Easily respond to author funding requests with the RLSC Institutional dashboard
- Generate transaction summary reports on-demand
- Automatic matching of eligible authors to the agreement to encourage usage
- Option to automatically approve funding requests
- Receive article acceptance notifications for eligible authors
- Track all RLSC publisher agreements and funding profiles in one view

RightsLink® for Scientific Communications



Copyright Clearance Center

IEEE

IEEE Publishes OA Articles from Authors Across the Globe

Regions where some or most of the institutions have OA publishing agreements with IEEE

Regions where authors have published OA with IEEE

In 2022, IEEE published OA articles from corresponding authors affiliated with institutions from over 100 different countries

IEEE

Does your institution have an IEEE OA agreement?

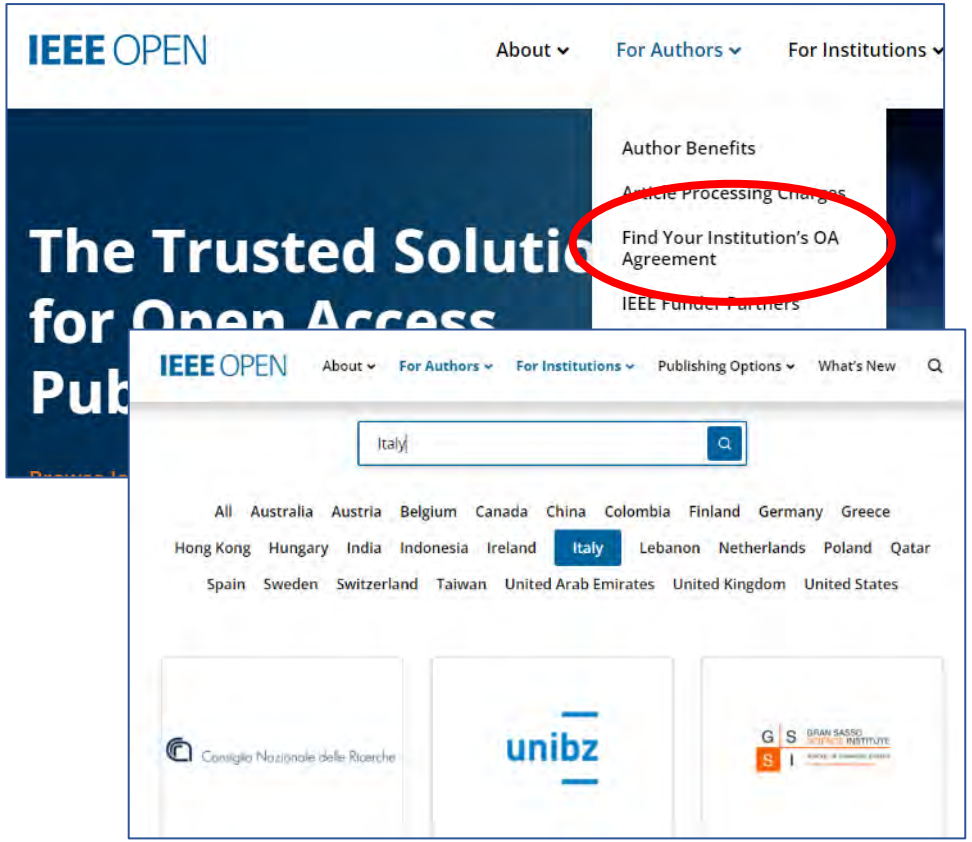
IEEE Institutional Open Access Agreements

- More than 400 institutions have IEEE OA agreements around the world

To determine if your institution has an OA agreement

- Go to IEEE Open – open.ieee.org
- Navigate to “For Authors” tab
- Select “Find Your Institution’s OA Agreement”
- Search or browse by institution or country/region

open.ieee.org



For More Information on IEEE Open Access Options

IEEE Open open.ieee.org

- More information on OA options for authors and institutions, as well as a list of participating institutions (also links from ScholarOne to this list)
- Learn more about specific journals and calls for papers
- Latest news on new and forthcoming titles
- FAQs for authors

IEEE *Access* ieeeaccess.ieee.org

- Call for papers and announcements
- Submission guidelines
- FAQs
- Featured articles

IEEE

Poll Question for Faculty, Librarians and Administrators:

Would you like someone from IEEE to contact you about institution-wide OA publishing agreement options for your organization?

Q&A Session with our Presenters

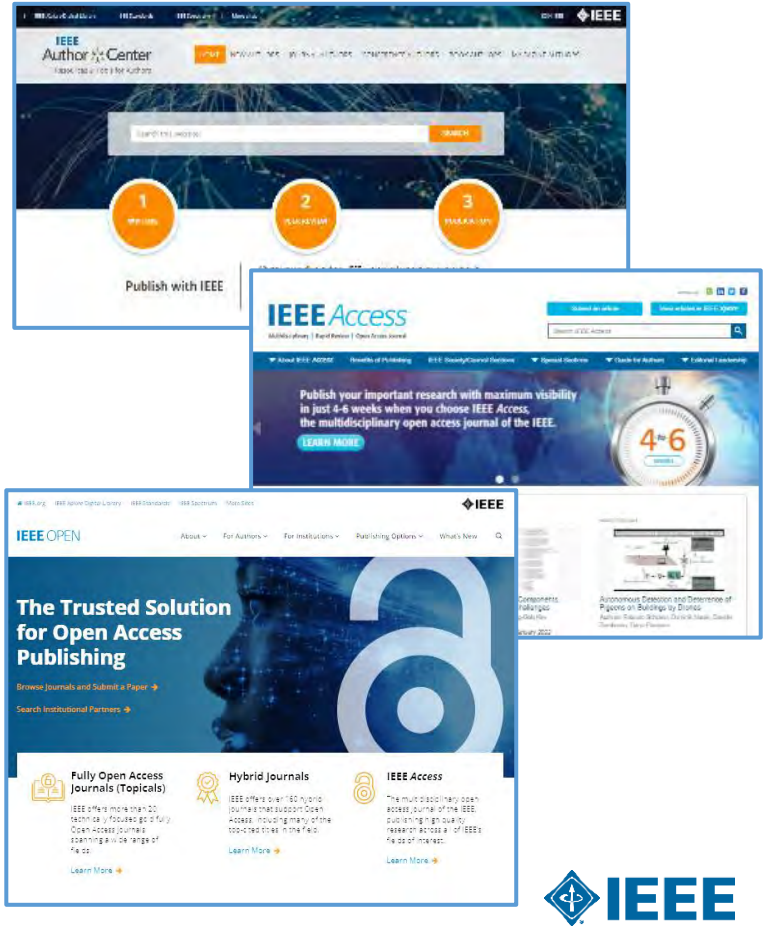
- Please type your questions into the Q&A window. Our presenters will answer as many questions as possible during our time together.

Thank you for your time today!

A link with access to the recording of today's virtual event will be emailed to all registered attendees within a few hours. Click the **Certificate Icon** at the bottom of the screen to request your Certificate of Participation:

- **IEEE *Access***
  ieeeaccess.ieee.org
- **IEEE Author Center**
  ieeeauthorcenter.ieee.org
- **IEEE Open Access Options**
  open.ieee.org

Follow IEEE *Xplore* on social media



IEEE


THANK YOU
OBRIGADO
gracias
どうも
ARIGATO
hvala
DANK U
謝謝
takk
MERSI
merci
obrigado
danke schön
köszi
PALDIES
ありがとう
TEŞEKKÜR EDERIM
MOLTE GRAZIE
GO RAIBH MAITH AGAT
danke
grazas
GRAZZI
THANKS
quan
TAK
asante
благодаря
TAK
どうも
muchas gracias
vielen dank
PALDIES
OBRIGADO
mesi
danke
DANK U
감사합니다
köszi
благодаря
grazie
TACK
DZIEKI
Gràcies
TEŞEKKÜR EDERIM
muchas gracias
obrigado
спасибо
MULTUMESC
多謝
NA GODE

IEEE

APPENDIX:

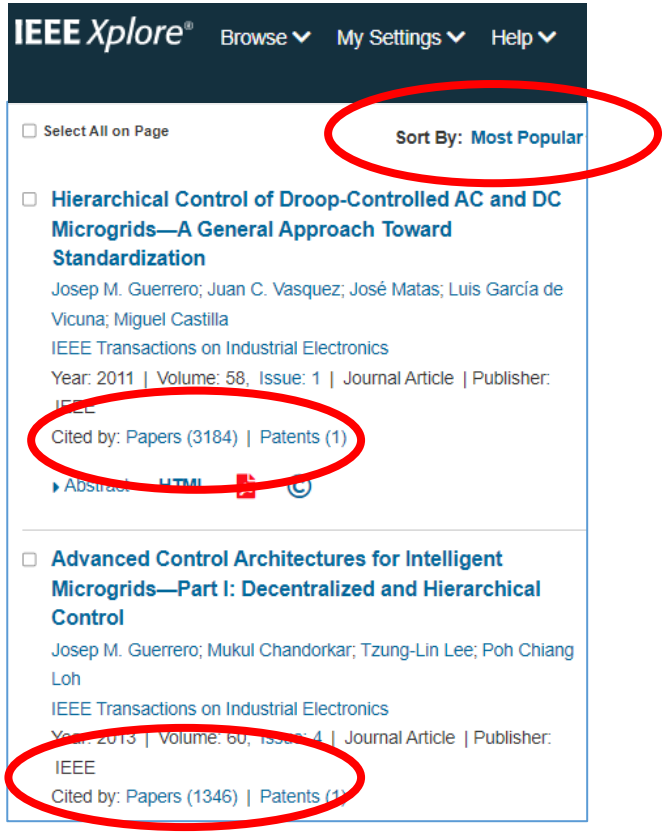
Additional slides available for reference

How to Promote Your Research

Tips and best practices to get your work exposure, read and cited

Promoting Your Research

- The more people who read and cite your research, the more impactful it becomes
- The impact of your paper can be greatly enhanced by promotion
- This in turn helps to boost your reputation and can lead to new opportunities for your career, grants and project funding – and also benefits your institution and collaborators
- Following are some tips to ensure that your article reaches as wide an audience as possible and potentially one day appear on the “most popular” list in IEEE *Xplore*!



Step 1 – Select the Right Publication for Your Research

- **Reputation of Publisher:** Does it have a long history and strong reputation as a credible source for quality information?
- **Journal Quality:** What are the citation metrics. Does it have an Impact Factor (IF), Eigenfactor, Article Influence Score or other citation metrics?
- **Indexing:** Is the journal listed and indexed in scholarly journal databases such as Web of Science, Scopus, or the Directory of Open Access Journals (DOAJ)?
- **Peer Review:** Does the journal have a strong peer review process that can even help you improve your work and the chances of it being cited?
- **Platform:** Does the journal platform receive significant traffic, easily accessible and stable?

IEEE

With that criteria in mind, let's compare IEEE as a publisher…

- IEEE has been a trusted voice for engineering and technology with a long history back to 1884
- IEEE journals are trusted, respected, and rank among the most highly cited in their fields
- Over 5 million monthly users of the IEEE *Xplore*® Digital Library
- All publications follow IEEE's established rigorous peer review process, publishing principles and quality standards
- IEEE maintains partnerships with A&I providers such as Elsevier, EBSCO, OCLC, Clarivate, ProQuest, IET, CrossRef and NLM to maximize the discovery of author works
- Indexed by Google, allowing Google search results to include links to IEEE *Xplore*

IEEE

Step 2 - Prepare Your Manuscript for Optimal Discoverability

- **Title:** Ensure it accurately describes your work and impact, grabs attention and makes people want to read further
- **Abstract:** Should be well written highlighting the most important points about your study to help reader decide if they want to read the article. Be concise (250 words or less)
- **Keywords:** Keywords help indexers and search engines find relevant papers, enabling readers to discover them. Use them in title and abstract. Must be representative of paper content and specific to the field of study. *(Tip: Consider what you would search for if you were looking for articles related to your research)*
- **Data:** Provide a link to any relevant data essential to the research findings, which helps increase views and citations
- **Images:** Use captions for images to help your work get discovered

Once You Are Published…

The right publisher can help promote papers and make them widely available. They may often:

- Publicize selected papers as part of subject collections or a journal highlights collection
- Highlight particularly interesting articles in hot, popular topics on the publisher's site or social media
- Give journalistic coverage to selected papers of high impact
- Publish and promote an authors' video abstract (i.e. IEEE *Access*)
- Display the number of downloads and citations each article receives and may also post altmetrics (social media stats)

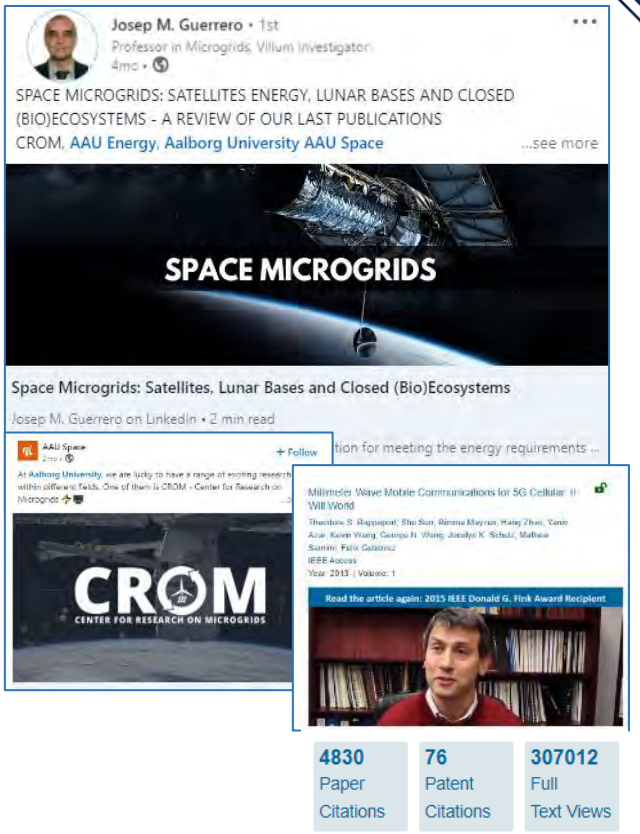
IEEE

But an Author Can Also Help Drive Exposure

- Although publishers can certainly help, the spotlight opportunities are limited, and thousands of new articles are published each year
- But as the author, you can play a critical role to ensure your article is viewed by a wide audience
- Why should you promote your research?
  - Increase exposure
  - Gain recognition for your work
  - Can lead to greater impact and citations.
  - Increases your exposure and may lead to new collaborations.

Step 3 – Congratulations, You're Published! Now Promote Your Article!

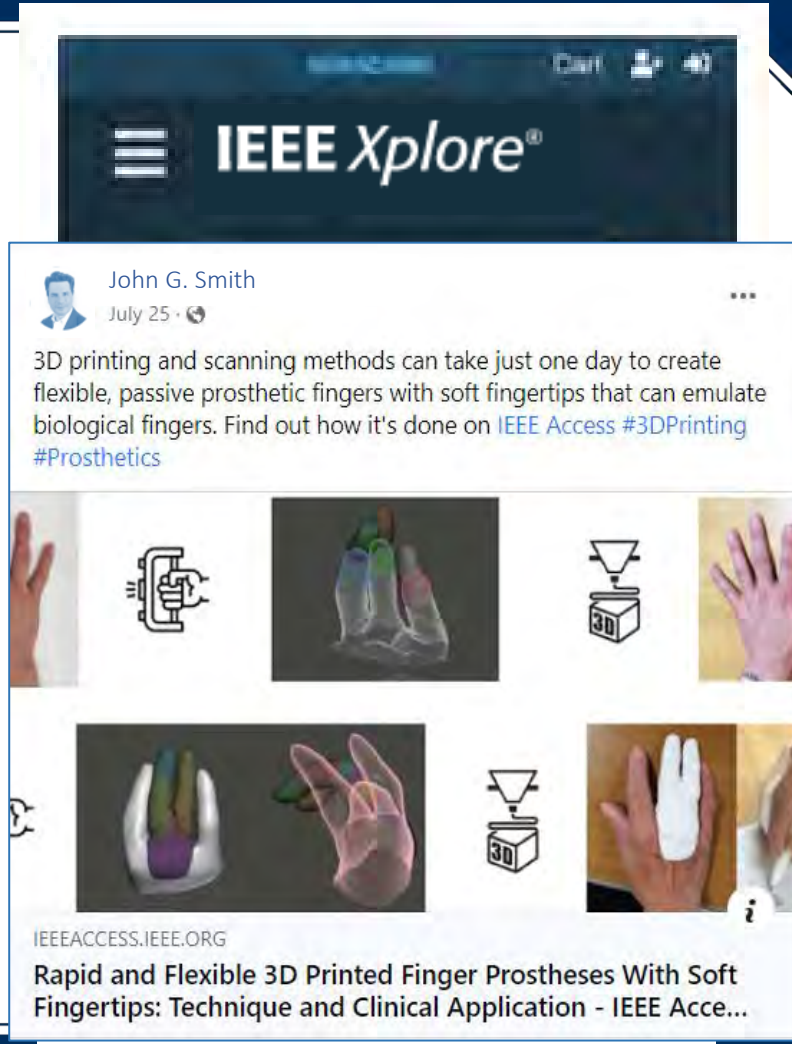
- Communicate about your newly published article to your own professional network of colleagues and give them a link!
- Notify experts you have referenced in your paper, providing a link
- Update your profile on academic networking sites (LinkedIn, IEEE Collabratec, Mendeley) with a link to your published article
- Update your institutional/departmental homepage and research group website with a link to your paper
- Contact your institution's press office and ask for advice and help
- Produce a video or graphical abstract giving an accessible introduction to your article, and share it on social media to increase views



IEEE

Example: Publish graphical abstract and share it via IEEE *Xplore* on social media

- Articles with graphical abstracts stand out to users in search results, resulting in more views
- To promote the article once you are published, simply go to the article's abstract page
- Click the share button from the icons on the right and select your social media platform of choice
- Write a brief overview in lay language to describe the impact of your work
- And post on social for all of your colleagues to see – and share as well!



More Social Media Tips

- Leverage social media to tell people about your work and why it is important
- Be sure to explain the significance of your research in lay language
- Share links to your articles
- Post frequently to build your network
- Engage with influential experts in your field
- Engage with others in discussions
- Reach a broader audience with multimedia

IEEE

Is it working?

- Are your efforts to promote your work leading to downloads and citations?
- By tracking the performance of your article, you can adjust the way you are sharing your work and make sure it's getting to the right people
- Article-level metrics let you track the impact of your publications in different areas, from traditional scientific literature (citations) to broader society (social media shares)
- Various metrics available from publisher sites such as IEEE *Xplore*, academic networks, social media and Web of Science

IEEE

Get noticed–Build your professional profile!

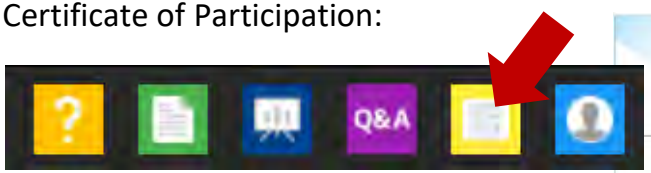
- Be discovered online! Enhance your LinkedIn or Institutional profile with your publications and images
- List your articles on your website or blog
- Register for an ORCID ID (unique author identifier)
- Mention your publication at conferences when giving presentations and how to easily find them
- Tell people what conferences you will be attending so they can discuss your research with you
- Use your email signature to tell people about your work and point them to it

One Final Note – Don’t Go It Alone!

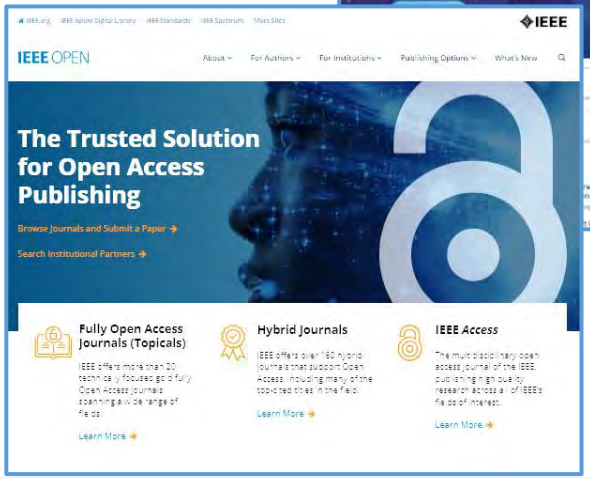
- Ask your colleagues for help!
- Ask your co-authors or collaborators to pitch in
- Involve your institution’s communications department (blog, podcast, guest post)
- Talk to your editor about journal promotional opportunities you might be able to participate in
- Leverage social media and your professional network

Thank you for your time today!

A link with access to the recording of today's virtual event will be emailed to all registered attendees within a few hours. Click the **Certificate Icon** at the bottom of the screen to request your Certificate of Participation:



- **IEEE *Access***
  ieeeaccess.ieee.org
- **IEEE Author Center**
  ieeeauthorcenter.ieee.org
- **IEEE Open Access Options**
  open.ieee.org



IEEE

IEEE Xplore® Digital Library

New Features & Functionality

IEEE

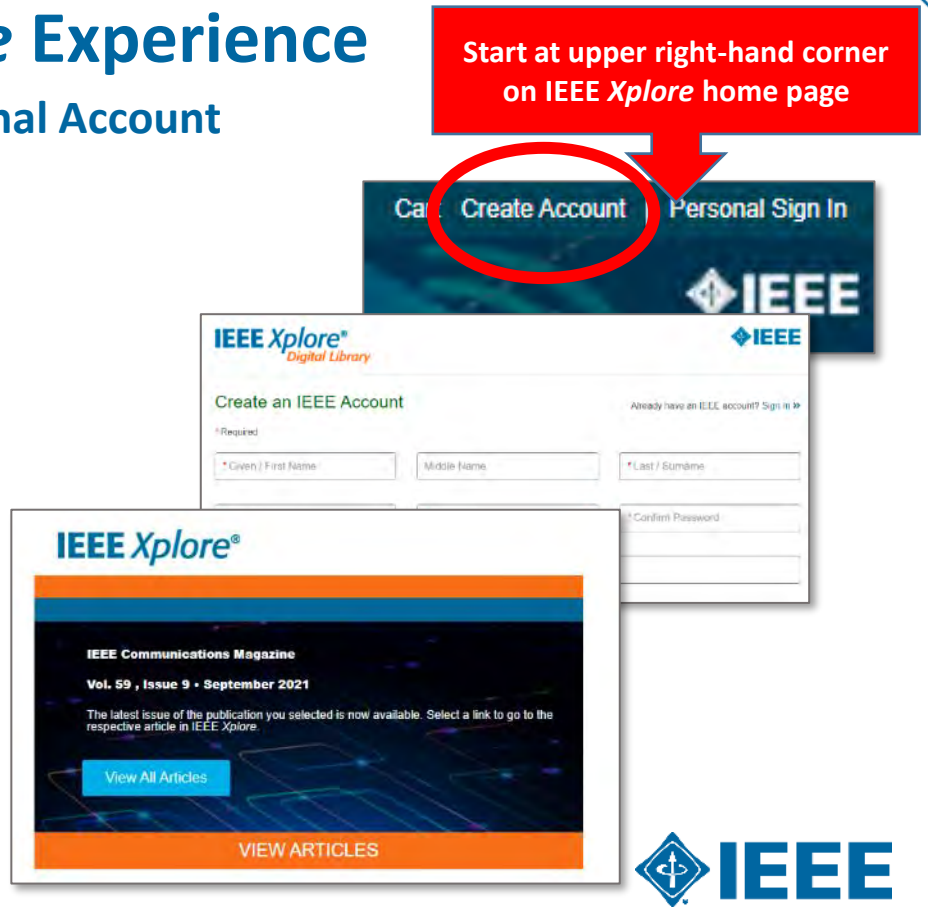
Personalize Your IEEE *Xplore* Experience

Start by signing up for an IEEE *Xplore* Personal Account

Benefits of a Personal Account

Anyone can sign up for a free IEEE Account on IEEE *Xplore*. A personal account allows you to:

- Set search preferences
- Save searches and search history
- Get email or RSS alerts of saved search results
- And now even more….



Personalize Your IEEE *Xplore* Experience

More Benefits to an IEEE *Xplore* Personal Account

These features can help you get the most out of IEEE *Xplore*

- **Preferences**: Change default settings to your personal preferences
- **Search History**: IEEE *Xplore* saves your last 100 searches
- **Search Alerts**: Save up to 15 searches to be notified weekly of any new content that is added to IEEE *Xplore* that meets your search criteria
- **Content Alerts**: Set up alerts for journals, conferences, standards, or eBooks
- **Citation Alerts**: Set up an alert to be notified when an article is cited by later research
- **Author Alerts**: Set up alerts on up to 15 authors to be notified when they publish new content in IEEE *Xplore*
- **My Favorite Journals**: Bookmark your favorite journals for easy access
- **My Research Projects**: Save and categorize documents in up to 15 research projects to save as many as 1,000 documents per project

IEEE

My Favorite Journals

Browse Journals & Magazines > IEEE Transactions on Cyberneti...

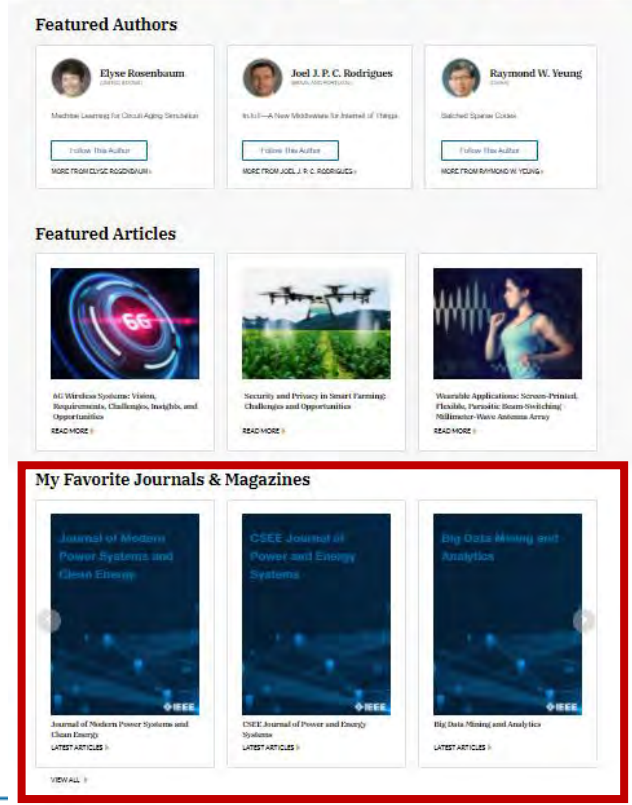
IEEE Transactions on Cybernetics

Submit Manuscript | Add Title To My Alerts | Add to My Favorites

Home | Popular | Early Access | Current Issue | All Issues | About Journal

11.448	0.05214	3.288	23.3
Impact Factor	Eigenfactor	Article Influence Score	CiteScore

The articles in this journal are peer reviewed in accordance with the requirements set forth in the IEEE PSPB Operations Manual (sections 8.2.1.C & 8.2.2.A). Each published article was reviewed by a minimum of two independent reviewers using a single-blind peer review process, where the identities of the reviewers are not known to the authors, but the reviewers know the identities of the authors. Articles will be screened for plagiarism before acceptance.



My Favorite Journals

My Favorite Journals & Magazines

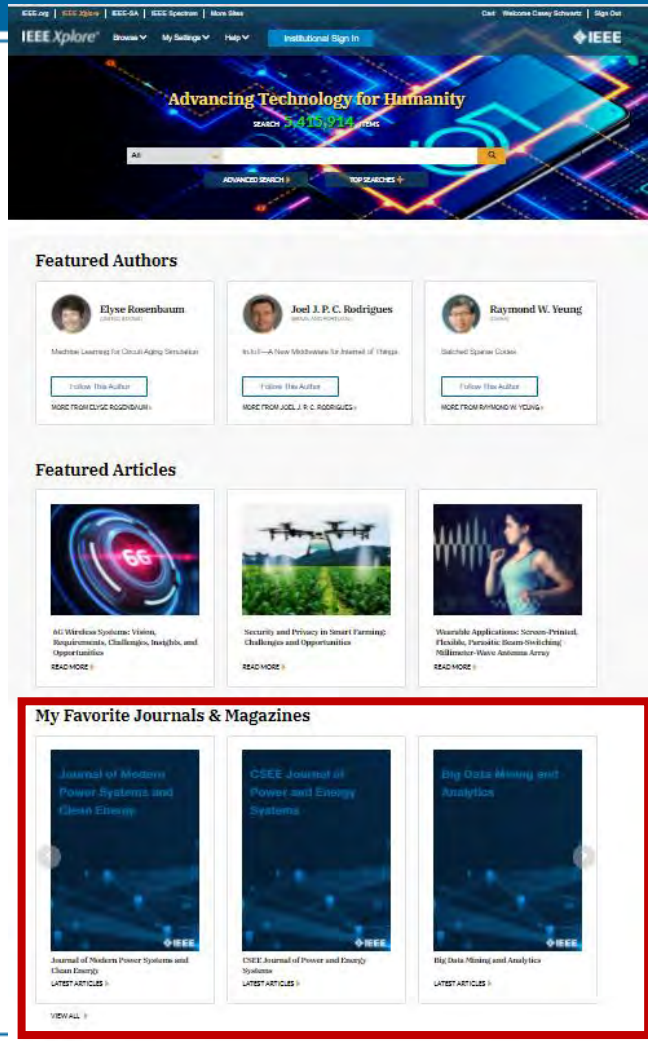
Refine Results by

Content Type

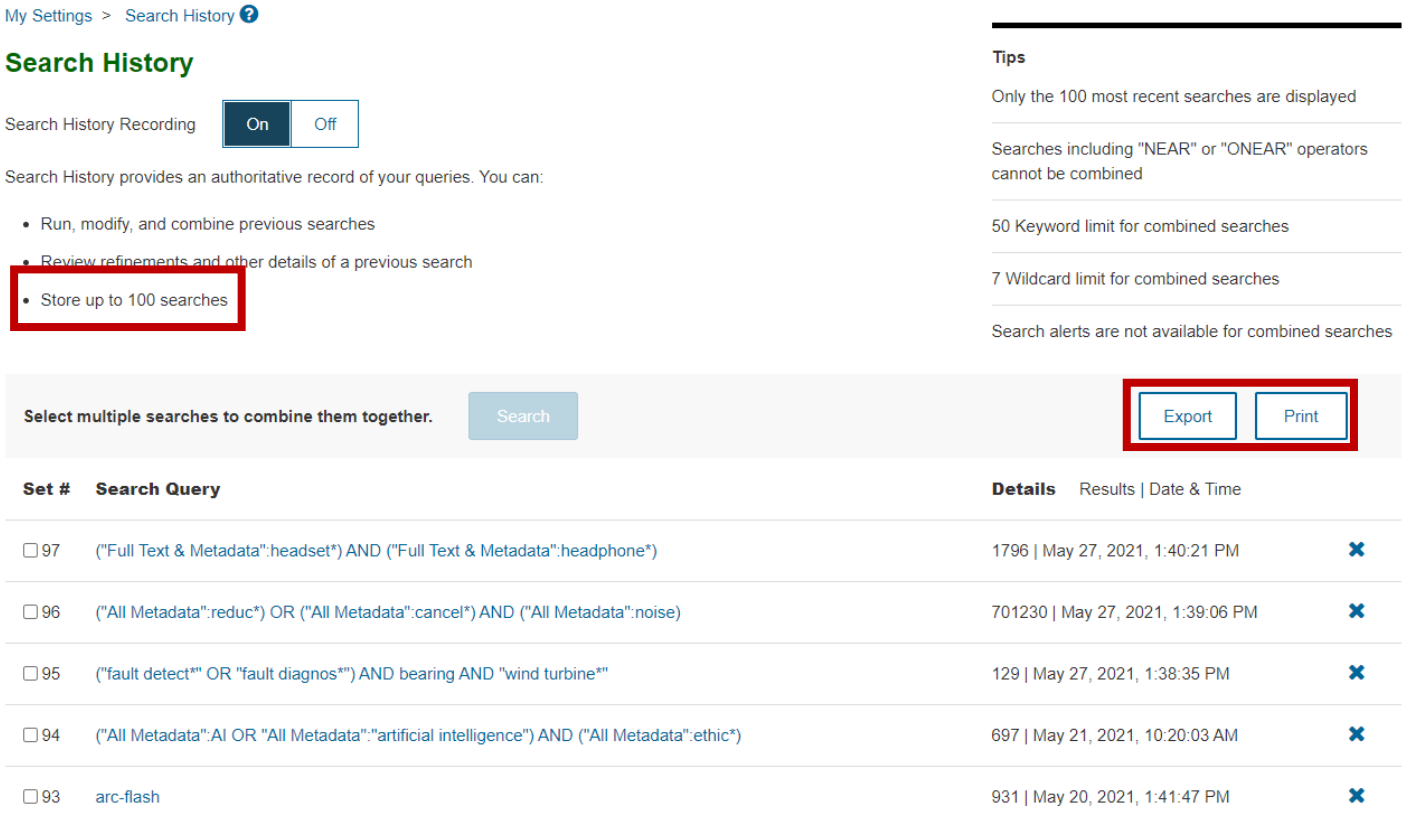
Journals (8)

Publisher

- IEEE Access
- IEEE Transactions on Affective Computing
- Big Data Mining and Analytics
- IEEE Electron Device Letters
- IEEE Magnetics Letters
- Journal of Modern Power Systems and Clean Energy
- CSEE Journal of Power and Energy Systems
- IEEE Transactions on Signal Processing



Search History Enhancements



Author Profile Enhancements

Follow This Author

- Ability to follow up to 15 authors
- Alerts generated weekly to notify users of new papers added to IEEE *Xplore* by author.

Follow This Author

Gary S. May

Also published under: G. S. May, G. May, Gary May

Affiliation

School of Electrical and Computer Engineering
Georgia Institute of Technology
Atlanta,GA,30332

Publication Topics

three-dimensional integrated circuits, cooling, heat sinks, microfluidics, silicon, thermal management (packaging), copper, electroless deposition, elemental semiconductors, field programmable gate arrays, integrated circuit interconnections, Q-factor, biological tissues, biomedical equipment, brain, chip

Show More

Biography

Gary S. May (Fellow, IEEE) received the B.S. degree in electrical engineering from the Georgia Institute of Technology (Georgia Tech), Atlanta, GA, USA, in 1985, and the M.S. and Ph.D. degrees in electrical engineering and computer science from the University of California at Berkeley, Berkeley, CA, USA, in 1987 and 1991, respectively.,He was the Dean of the College of Engineering, Georgia Tech, from 2011 to 2017, where he serves as the Chief Academic Officer and provides leadership to more than 400 faculty

Publications 148 **Citations** 1,423

Publications by Year

1990 2021

Co-Authors:

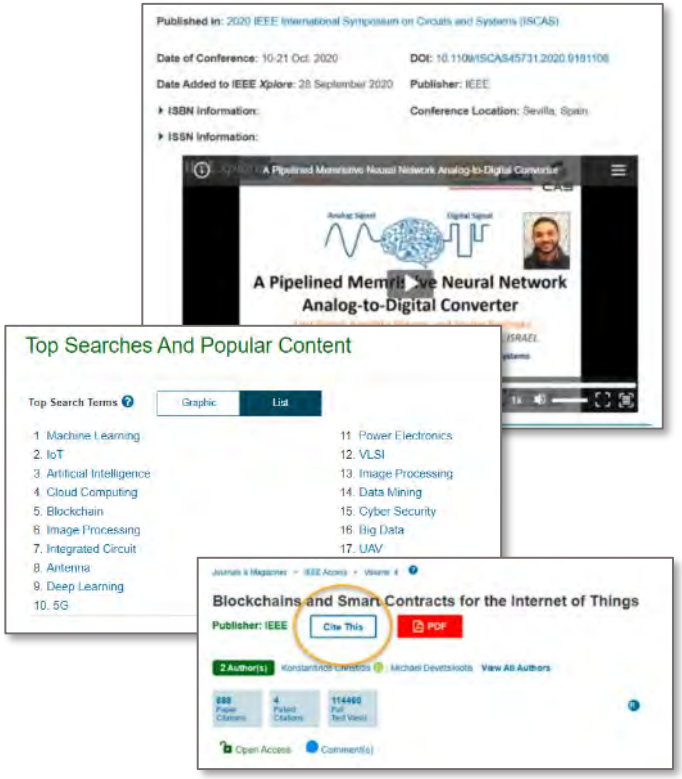
Jack V. Ajoian
M. G. Allen
G. Ananda Rao
D. Baker
M. D. Baker

Show All Co-Authors (156)

IEEE

Other Recent IEEE *Xplore* Enhancements

- **Discover Trending Content**: Users can discover new and trending content easier by browsing the top search terms, matching documents, and popular content features linked from the home page or sort search results by “most popular”.
- **Video Presentations**: IEEE *Xplore* now offers video presentations embedded on participating conference pages *(Pilot project for limited set of conferences – see ISCAS and COMPSAC).*
- **Cite This:** Copying and downloading document citations on IEEE *Xplore* just got easier. The document page Cite This button now gives you the option to copy or download citations in Plain Text, BibTeX, RIS, and Refworks formats.



Features Under Development

- Incorporating advanced search functions into Global Search
- IEEE *Xplore* API Citation Counts
- Image Search
- Institutional Profile Pages
- Increasing wildcard and search term limits
- More data visualizations
- Pilot to test adding EZproxy links to Institutional Sign In Module

Publish

ORCID ID

- Persistent unique 16-digit identifier
- IEEE (and many other publishers) require an ORCID ID to help tie an author to his or her publication record.
- Distinguishes you from every other researcher
- Collects all your professional activities in one place
  - Publications
  - Funding
- Employment, education, and publication record can all be linked to ORCID.
- Without ORCID, it's hard to distinguish between multiple authors with the same name, or get a complete publication history when authors change their names.
- For more information about ORCID, visit orcid.org.

Publish

ORCID ID

- Registration is FREE; anyone who has or will publish can register
- Since July 11, 2016, all corresponding authors of IEEE journal articles have been required to link their profile to an ORCID ID.
- Visit https://orcid.org/register
- All you need to start is:
  - Your name
  - Email address
  - A password
- The best time to register is before submitting your next publication or grant submission