



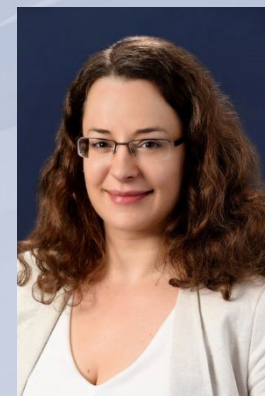
IEEE Xplore Webinar for Greece

Presented by:

Eszter Lukács

IEEE Client Services Manager

e.lukacs@ieee.org



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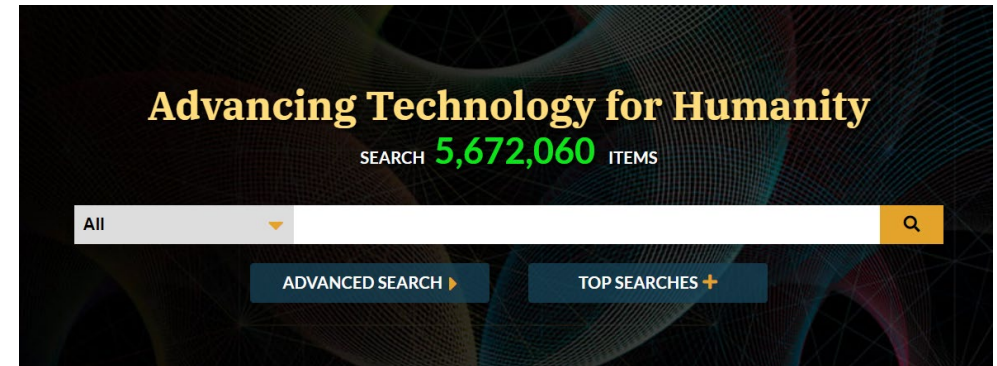


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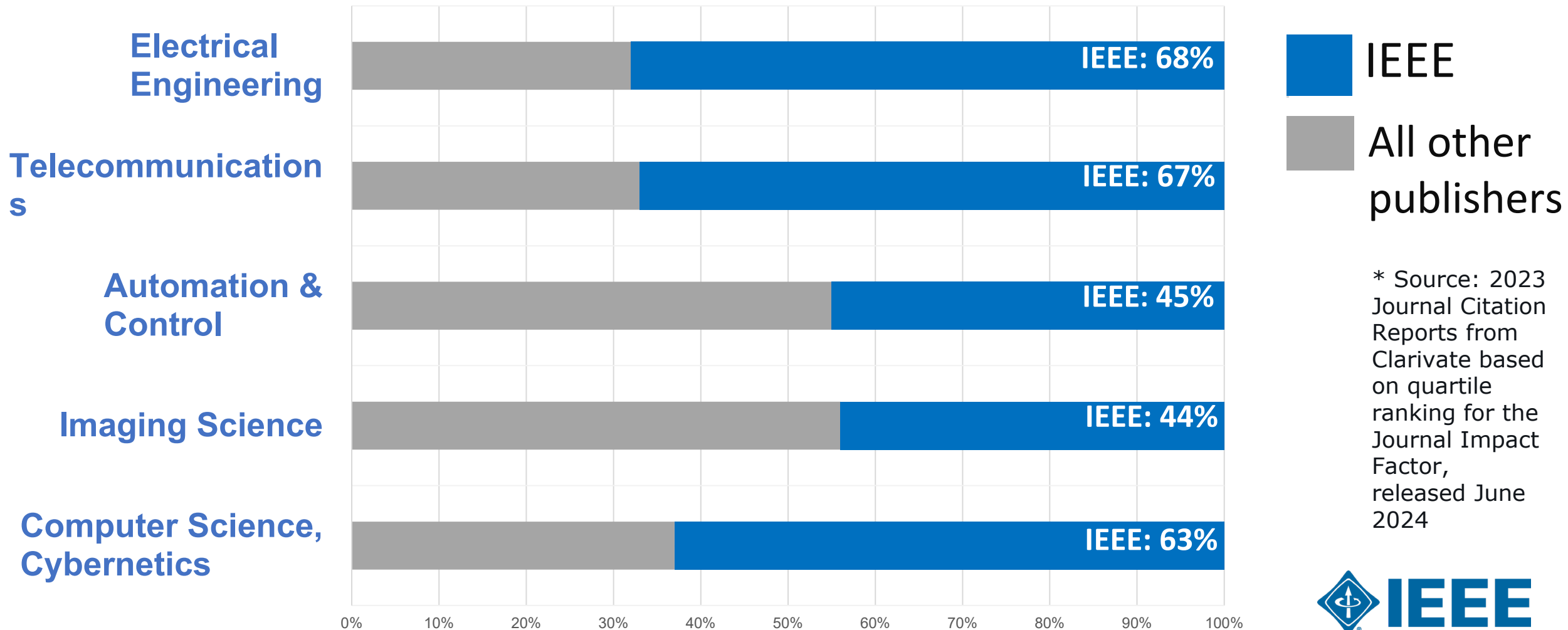
- 21 of the top 25 journals in **Electrical and Electronic Engineering**
- 13 of the top 15 journals in **Telecommunications**
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IEEE Leads in Top Quartile Ranked Publications

IEEE as a percentage of top quartile publications across key fields of Interest*



Additional Journal Bibliometrics...

IEEE Journal Rankings by Eigenfactor

Electrical and Electronic Engineering IEEE has 9 of the top 10 journals:

1. IEEE Access
2. Sensors
3. IEEE Transactions on Industrial Electronics
4. IEEE Transactions on Pattern Analysis and Machine Intelligence
5. IEEE Transactions on Neural Networks and Learning Systems
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7. IEEE Transactions on Image Processing
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1. IEEE Access
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10. IEEE Communications Letters



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9. IEEE Transactions on Neural Networks and Learning Systems
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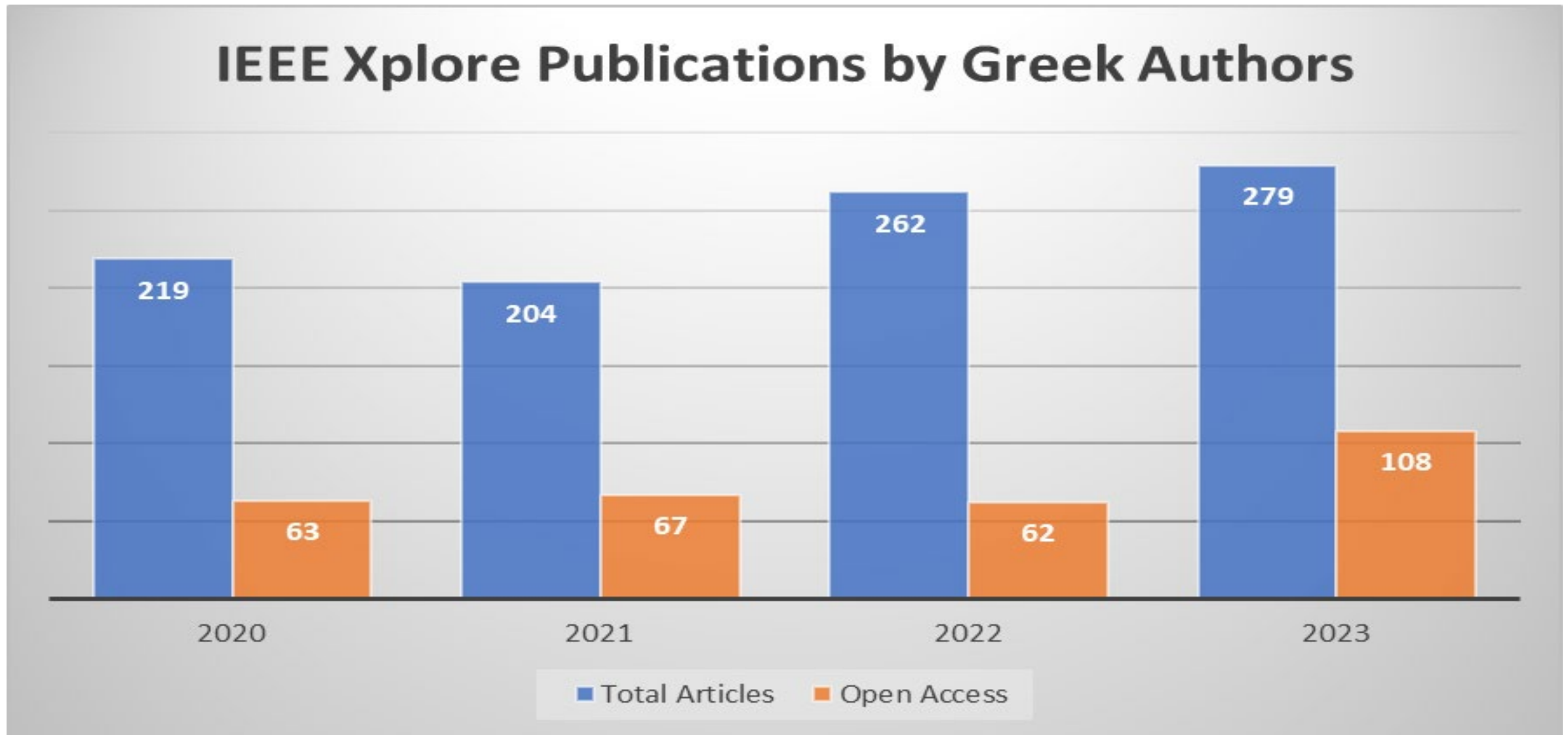
Telecommunications

IEEE has 9 of the top 10 journals:

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3. IEEE Wireless Communications
4. IEEE Vehicular Technology Magazine
5. IEEE Communications Magazine
6. IEEE Transactions on Wireless Communications
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10. IEEE Transactions on Communications



Publication Activity in Greece – Corresponding Author



New Subscription Titles for 2024

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- *IEEE Transactions on Industrial Cyber-Physical Systems*
- *IEEE Transactions on Radar Systems*

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*Please note this is a tentative list and is subject to change.



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IEEE *Xplore* Search Tips



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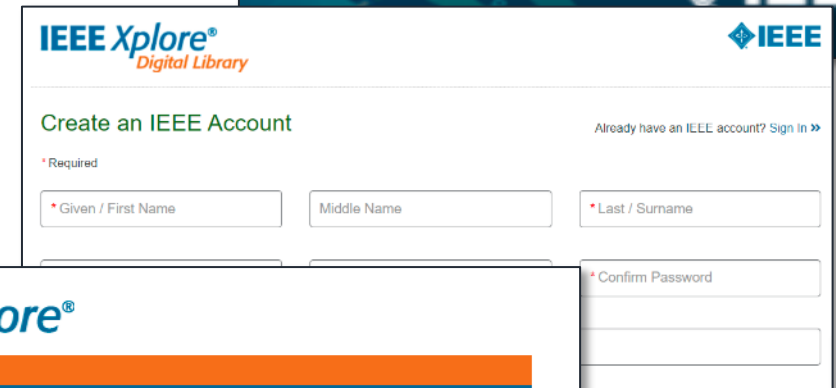
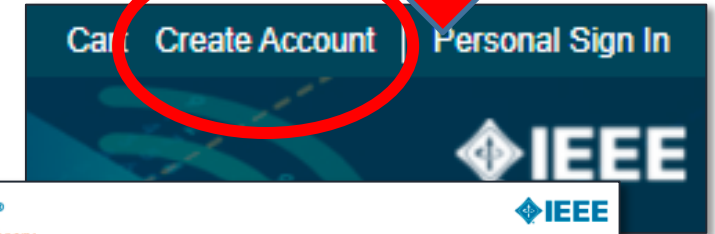
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Anyone can sign up for a free IEEE Account on IEEE Xplore. A personal account allows you to:

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- Save searches and search history
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Start at upper right-hand corner on IEEE Xplore home page



	Basic Search Metadata	Advanced Search Metadata and FT	Command Search Metadata and FT
Boolean Operators (AND/OR/NOT)	Yes	Yes (currently not within single search box)	Yes
Proximity Operators (NEAR/ONEAR)	Yes	No	Yes
Field Searching	(Yes)	Yes	Yes

	Character	Description
Wildcards	* ?	<ul style="list-style-type: none"> - Asterisk (*) represents a single character, multiple characters, or no characters - "?" character supported for single Wildcard - Wildcards CAN be used within phrased searches "medical imag*" - Wildcards CAN be used with proximity operators implant* NEAR/5 cardiac
Phrase	"..."	<ul style="list-style-type: none"> - Use ASCII code Double quotes "medical imaging" for an exact phrase - Stemmed terms not included in phrased searches

Advanced Search Enhancements

Searchers can now type Boolean operators AND OR NOT into search boxes

Any search string typed into a single search box will be nested (ie IEEE Xplore will automatically place parens around the search string)

Order of precedence:

1. NOT
2. AND
3. OR

IEEE Xplore currently supports 9 wildcards and 25 words per search clause with an unlimited number of clauses. 40 terms max

Advanced Search ?

Advanced Search | Command Search | Citation Search

Enter keywords and select fields.

Search Term
defen?e OR aerospace

AND Search Term
"aerial vehicle"

AND Search Term
unmanned AND robot*

Publication Year

Documents Added Between: 02/09/2022 and 02/16/2022

Specify Year Range

1884 2022

Issue
Mesh_Terms
Publication Number
Publisher
Parent Publication Number
Standards Dictionary Terms
Standards ICS Terms
Standard Number
All Metadata
All Metadata
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Full Text Only
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Abstract
Index Terms
Accession Number
Article Number
Article Page Number
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Adds 8 additional search boxes for a total of 11

More Complex Searches: Structured Advanced Search







Advanced Search

Advanced Search

Command Search

Citation Search

Enter keywords and select fields.

<input type="text" value="review"/>	in	<input type="text" value="Document Title"/>	
<input type="text" value="AND"/>		<input \"alternative="" \"flex-fuel?\"="" fuel?\""="" or="" tetra-fuel?\"="" type="text" value="\"/>	<input type="text" value="Full Text & Metadata"/>  
<input type="text" value="AND"/>		<input type="text" value="Search Term"/>	<input type="text" value="All Metadata"/>   

Command Search: Fewer and more targeted search results

Advanced Search [?](#)

[Advanced Search](#)

[Command Search](#)

[Citation Search](#)

Enter keywords, phrases, or a Boolean expression

Use the drop down lists to choose Data Fields and Operators. [Learn how to use Boolean expressions in](#)

Data Fields

Operators

Operators

AND

OR

NOT

NEAR

ONEAR

Operators need to be in all caps - i.e. AND/OR/NOT

Data field names need to be included before each

Search Expression Examples [?](#)

5 search terms per search clause.

- Maximum of **25 search terms per search clause**
- **OR:** ("data field": A OR B) **X**
("data field": A OR "data filed": B)
- Max 10 wildcards (* or ?)
- **Order of precedence:**
NEAR / ONEAR
NOT
AND
OR

("Full Text .AND. Metadata":"tetra-fuel?" OR "Full Text .AND. Metadata":"flex-fuel?" OR "Full Text .AND. Metadata":"alternative fuel?") **NEAR/5** ("Full Text .AND. Metadata":future OR "Full Text .AND. Metadata":*trend OR "Full Text .AND. Metadata":outlook OR "Full Text .AND. Metadata":challenges OR "Full Text .AND. Metadata":direction OR "Full Text .AND. Metadata":opportunities OR "Full Text .AND. Metadata":vision)

Reset All

Search

[Preferences](#)

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[Search Examples](#)

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[Wildcard Limits](#)

- ▶ "natural hazard" OR "natural disaster" OR avalanche OR landslide OR earthquake OR "volcanic eruption" OR flood OR tsunami AND messag* OR warn* OR communicat* AND "artificial intelligence" OR "machine learning" OR "deep learning" OR robotics OR "neural network" OR "natural language processing"

▶ VS.

- ▶ ("natural hazard" OR "natural disaster" OR avalanche OR landslide OR earthquake OR "volcanic eruption" OR flood OR tsunami)
 - ▶ AND
 - ▶ (messag* OR warn* OR communicat*)
 - ▶ AND
- ▶ ("artificial intelligence" OR "machine learning" OR "deep learning" OR robotics OR "neural network" OR "natural language processing")

Search History

- IEEE Xplore saves your 100 most recent search queries.
- You can reuse these search queries and combine them to create new queries.
- Searches including "NEAR" or "ONEAR" operators cannot be combined
- 50 Keyword limit for combined searches
- Wildcard limit for combined searches

Select multiple searches to combine them together.

Search

77 AND 76 AND 75

Keywords: 39 Wildcards: 1

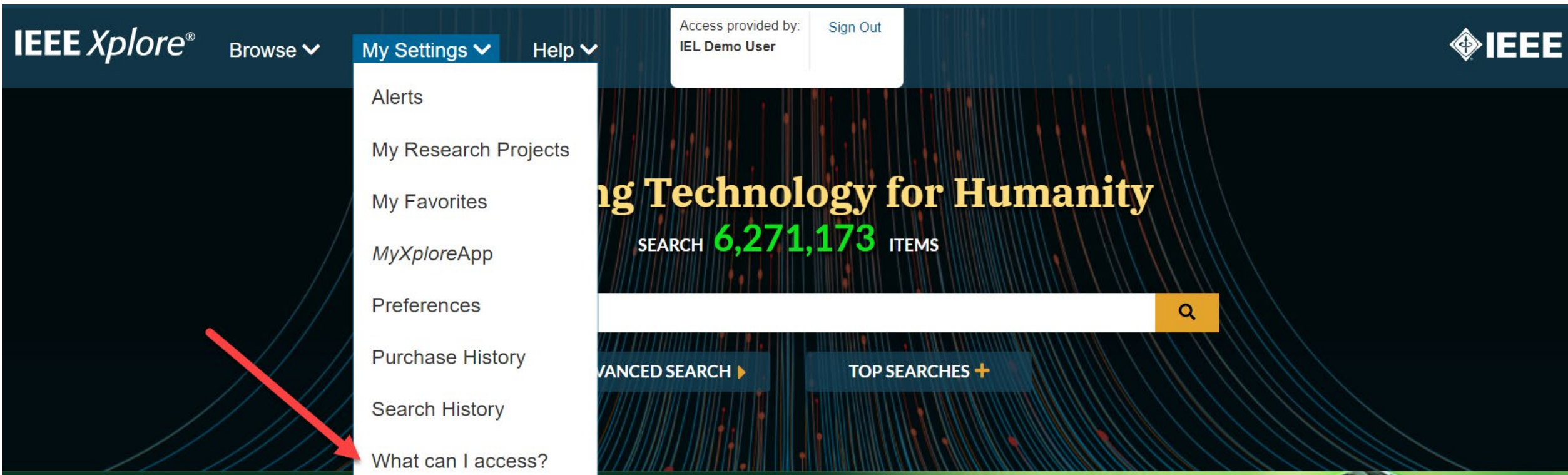
Set # Search Query

<input checked="" type="checkbox"/> 77	((("Full Text & Metadata": "tetra-fuel?" OR "Full Text & Metadata": "flex-fuel?" OR "Full Text & Metadata": "alternative fuel?") NEAR/5 ("Full Text & Metadata": "future OR "Full Text & Metadata": "*trend OR "Full Text & Metadata": "outlook OR "Full Text & Metadata": "challenges OR "Full Text & Metadata": "direction OR "Full Text & Metadata": "opportunities OR "Full Text & Metadata": "vision))
<input checked="" type="checkbox"/> 76	("All Metadata": "lane keeping" OR "All Metadata": "driver assistance" OR "All Metadata": "driver steering") AND ("Author Affiliations": "daimler OR "Author Affiliations": "bosch OR "Author Affiliations": "volkswagen)
<input checked="" type="checkbox"/> 75	((("Full Text & Metadata": "cooperative OR "Full Text & Metadata": "connected OR "Full Text & Metadata": "automated) NEAR/5 ("Full Text & Metadata": "car OR "Full Text & Metadata": "automotive OR "Full Text & Metadata": "vehicle OR "Full Text & Metadata": "mobility))

Searching IEEE *Xplore*:
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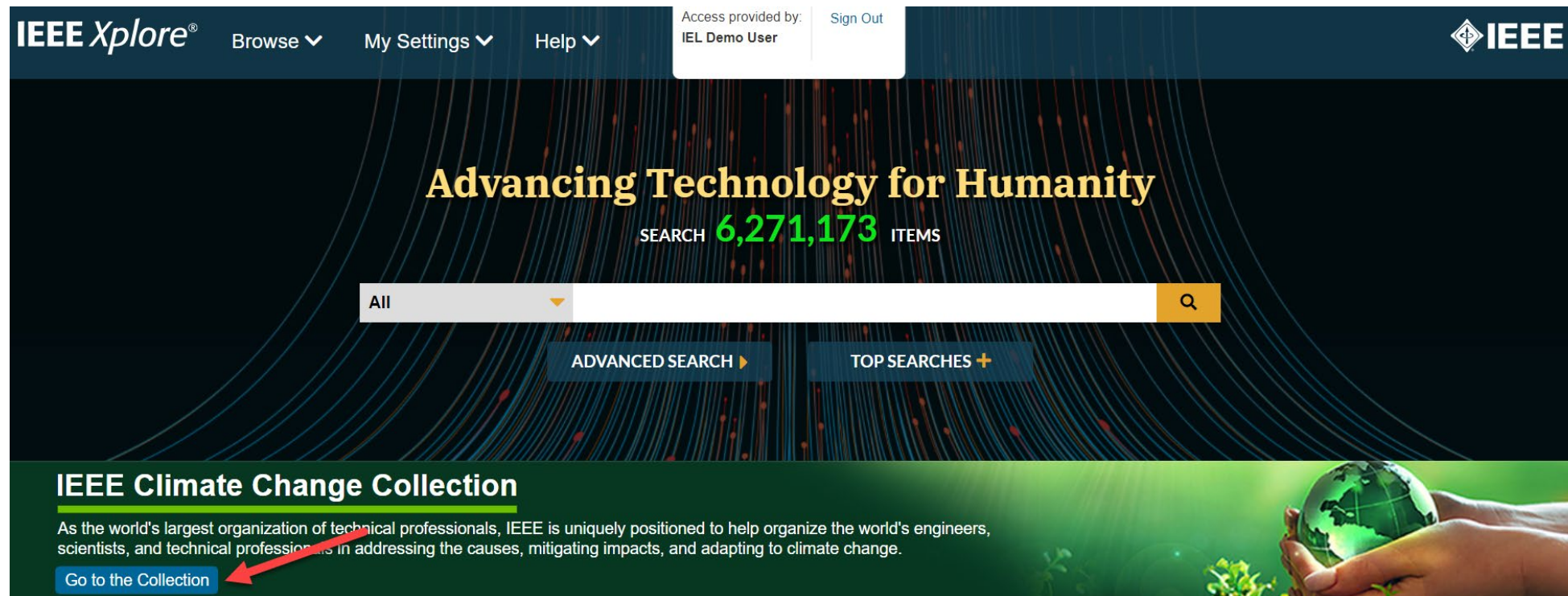
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- Go to the My Settings menu and select “What can I access?”



The screenshot displays the IEEE Xplore website interface. At the top left, the IEEE Xplore logo is visible. The navigation bar includes 'Browse', 'My Settings', and 'Help' menus. A user authentication box at the top center shows 'Access provided by: IEL Demo User' and a 'Sign Out' button. The IEEE logo is in the top right corner. The main content area features the tagline 'Engineering Technology for Humanity' and a search bar displaying 'SEARCH 6,271,173 ITEMS'. Below the search bar are buttons for 'ADVANCED SEARCH' and 'TOP SEARCHES'. The 'My Settings' dropdown menu is open, listing options: Alerts, My Research Projects, My Favorites, MyXploreApp, Preferences, Purchase History, Search History, and 'What can I access?'. A red arrow points to the 'What can I access?' option.

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Click on the “IEEE Climate Change Collection” banner on the IEEE Xplore homepage to access a collection of highly-cited scholarly publications, conference proceedings, and other materials which address the critical climate change issues facing our planet.

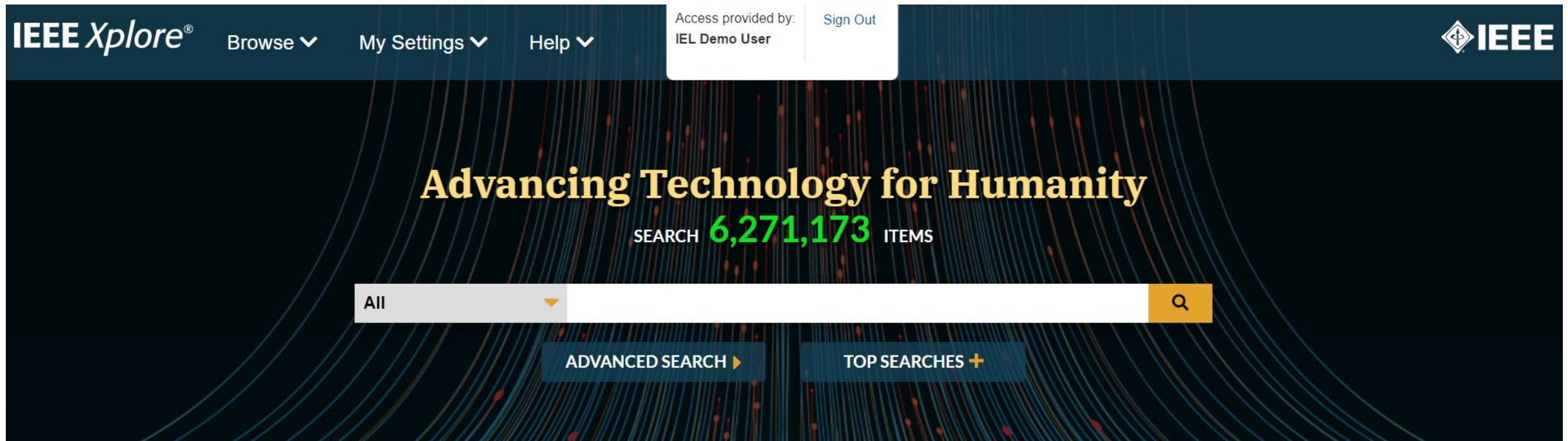


The screenshot shows the IEEE Xplore homepage. At the top, there is a navigation bar with the IEEE Xplore logo, a 'Browse' dropdown menu, 'My Settings' and 'Help' dropdown menus, and a user login area showing 'Access provided by: IEL Demo User' and a 'Sign Out' button. The IEEE logo is in the top right corner. The main content area features a large banner with the text 'Advancing Technology for Humanity' and 'SEARCH 6,271,173 ITEMS'. Below this is a search bar with a dropdown menu set to 'All' and a search icon. There are two buttons: 'ADVANCED SEARCH' and 'TOP SEARCHES'. At the bottom of the banner, there is a section titled 'IEEE Climate Change Collection' with a description: 'As the world's largest organization of technical professionals, IEEE is uniquely positioned to help organize the world's engineers, scientists, and technical professionals in addressing the causes, mitigating impacts, and adapting to climate change.' A blue button labeled 'Go to the Collection' is located at the bottom left of this section, with a red arrow pointing to it. The background of the banner shows a globe being held by hands.

<https://ieeexplore.ieee.org/climate-change>



Support for Advanced Searchers: Global Search



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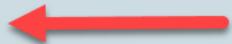
Advancing Technology for Humanity
SEARCH 6,271,173 ITEMS

All ▾ [Search Bar] 🔍


ADVANCED SEARCH ▶ TOP SEARCHES +


- Basic Search will search **METADATA ONLY**
- Case insensitive and automatic stemming
- Searches for British and US spellings in English. Use wildcards for greater precision
- Boolean, Proximity, and Field Searching allowed (operators **MUST** be in all ALL CAPS)
- Wildcard (*) supported in phrased searches and with proximity operators
- Complex Boolean queries can be nested in proximity statements
- **Example:** (A or B) NEAR/5 (C or D)

Search Results and Refinements

Search within results  


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Showing 1-25 of 25,374 results for **application NEAR/5 secur*** 

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From To


1936 2023

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Generation of Role Based Access Control Security Policies for Java Collaborative Applications

J. Briffaut; X. Kauffmann-Tourkestansky; J.-F. Lalande; W. W. Smari
2009 Third International Conference on Emerging Security Information, Systems and Technologies
Year: 2009 | Conference Paper | Publisher: IEEE
Cited by: Patents (1)


[▶ Abstract](#) [HTML](#)  


A Security Framework for Input Validation 


Rafael Bosse Brinhosa; Carlos Becker Westphall; Carla Merkle Westphall
2008 Second International Conference on Emerging Security Information, Systems and Technologies
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control*  


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Conferences (5,184) Journals (938)

Early Access Articles (45) Books (39)

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Generation of Role Based Access Applications

J. Briffaut; X. Kauffmann-Tourkestansky;
2009 Third International Conference on

- Boolean and Proximity Operators be used in Search Within Results from the search result page.
- Field Commands can be used in Search Within Results.
- There is a maximum of 9 wildcards per search in IEEE *Xplore*
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IEEE Draft Standard for Wireless Access in Vehicular Environments--Security Services for Applications and Management Messages Amendment 2: Protocol Data Unit (PDU) Functional Types and Encryption Key Management 

IEEE P1609.2b/D2, September 2018

Year: 2018 | Standard | Publisher: IEEE

 Abstract  

The Design and Implementation of Security Defense Technology Based on Mandatory Running Control 


Liu Jizhen; Wu Kehe; Zhang Tong; Ma Gang

2009 Fifth International Conference on Information Assurance and Security

Year: 2009 | Volume: 1 | Conference Paper | Publisher: IEEE

Cited by: Papers (3)

 Abstract [HTML](#)  

Research and Design of Robot Application System Security Protection in Electric Power Business Hall based on Artificial Intelligence 

Ke Qiao; Hona Yan; Xi Jiana; Xuesona Dona; Yunfena Zou; Yana Yu


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Publisher: IEEE

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3

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Abstract

Document Sections

- I. Introduction
- II. Related Work
- III. Process Description
- IV. Holistic Web Application Security Vulnerability Visualization, HWAS-V
- V. Case Study and HWAS-V

Abstract:

As the number of web applications and the corresponding number and sophistication of the threats increases, creating new tools that are efficient and accessible becomes essential. Although there is much research concentrating on network security visualizations, there are only a few studies considering the web application vulnerabilities' possible visualization options. Consequently, to fill this gap, this research centers around a novel perception configuration to improve web application vulnerability monitoring. This study forms a generic data structure based on data sources that might be readily associated and commonly available for the majority of the web applications. The primary contribution of this study is a new dashboard tool for visualizing dynamic application security test results. Another contribution is the metrics/measures that the tool presents. The paper also describes a validation study in which participants answered quiz questions upon using the tool prototype. For the case study, sample data has been generated using the OWASP ZAP scanner tool and a prototype has been implemented to be used for validation purposes. This study allows the investigation of fifty metrics/measures for the multi-project/phase environment that enhances its benefits if the user aims to monitor a series of analyses' results and the changes between them for more than one web project.



Access Figures Within an Article

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Document Sections

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II. Related Work

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IV. Holistic Web Application

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Visualization, HWAS-V

V. Case Study and HWAS-V

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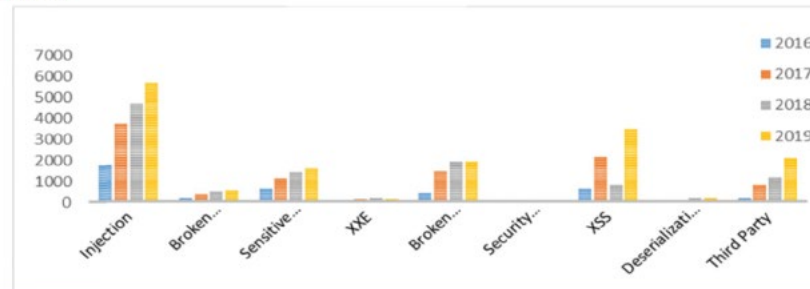
Metrics

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Figures

FIGURE 1.

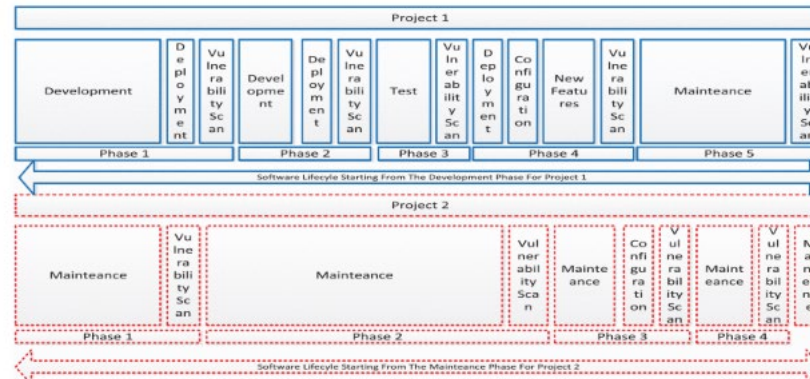
» Show in Context



The state of web application vulnerabilities between 2016 and 2019 [3] ¹.

FIGURE 2.

» Show in Context



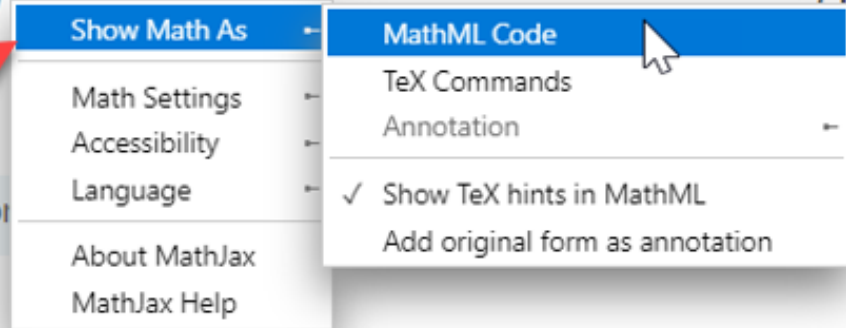
Right Click on Equations: Copy Source Code and Zoom In

The rapid risk assessment is based on the calculation and evaluation of the risk index R .

$$R = Pq \cdot Iq \tag{1}$$

▶ View Source ⓘ

```
\begin{equation*} R =Pq\cdot Iq \tag{1} \end{equation*}
```



where, R - is the risk index (points); Pq - probability of occurrence of risk, according to classification (points); Iq - is the loss value, according to the classification (points) [1], [2]

```
MathJax Equation Source - Google Chrome
about:blank
<math xmlns="http://www.w3.org/1998/Math/MathML" display="block">
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        <mi>R</mi>
      </mtd>
    </mlabeledtr>
  </table>
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1. K. A. Demir, "A survey on challenges of software project management" in Software Engineering Research and Practice, Las Vegas, NV, USA:Stylus Publishing, 2009.
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2. B. Molnar and A. Tarcsi, "Architecture and system design issues of contemporary web-based information systems", *Proc. 5th Int. Conf. Softw. Knowl. Inf. Ind. Manage. Appl. (SKIMA)*, pp. 1-8, Sep. 2011.
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3. *The State of Web Application Vulnerabilities in 2019*, Jan. 2020, [online] Available: <https://www.imperva.com/blog/the-state-of-vulnerabilities-in-2019/>.
[▶ Show in Context](#) [Google Scholar](#)
4. *Software Testing Tips and Tricks*, Jan. 2021, [online] Available: <https://www.softwaretesttips.com/web-application-security-testing/>.
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5. *Acunetix*, Jan. 2019, [online] Available: <https://www.acunetix.com/>.
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Generation of Role Based Access Control Security Policies for Java Collaborative Applications 


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2009 Third International Conference on Emerging Security Information, Systems and Technologies

Year: 2009 | Conference Paper | Publisher: IEEE

Cited by: Patents (1)

[Abstract](#) [HTML](#)  



A Security Framework for Input Validation 

Rafael Bosse Brinhosa; Carlos Becker Westphall; Carla Merkle Westphall

2008 Second International Conference on Emerging Security Information, Systems and Technologies

Year: 2008 | Conference Paper | Publisher: IEEE

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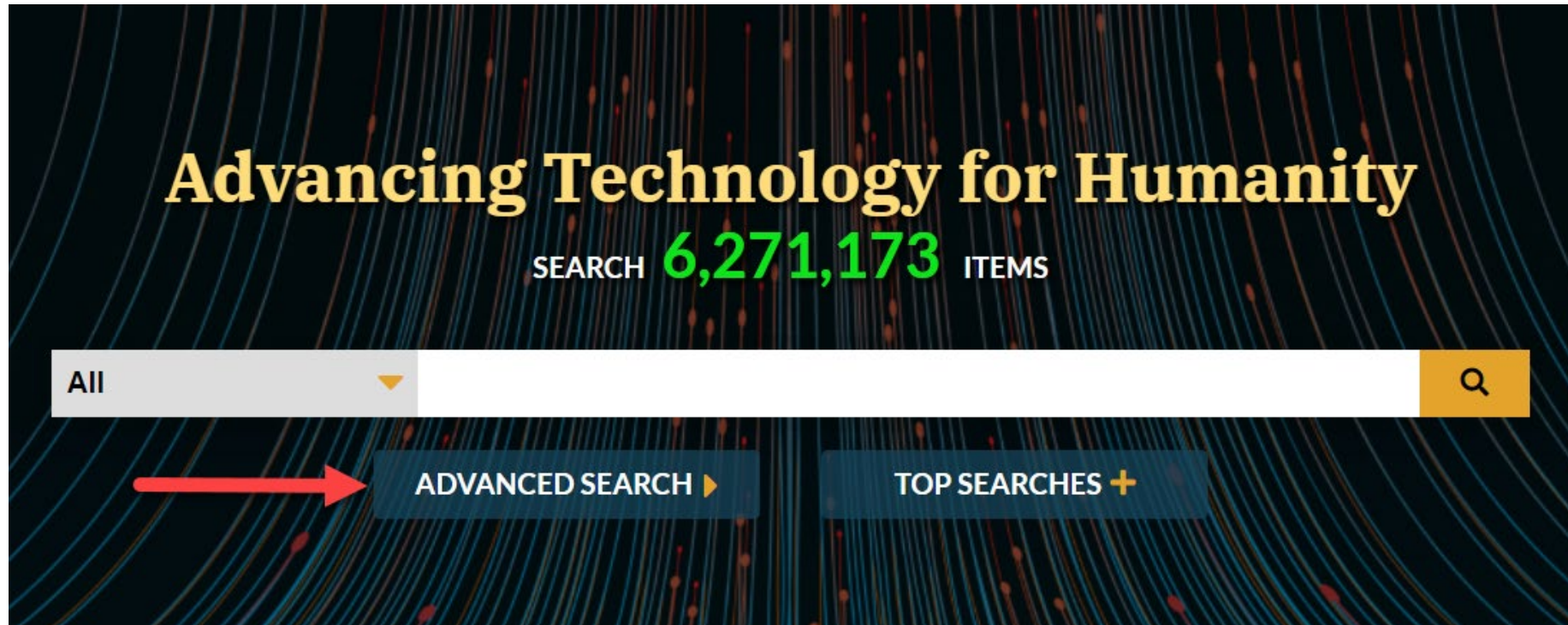
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Advanced Search: Search by Fields such as Affiliation, Funding Agency, and ORCID ID

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Search Term		in	Full Text & Metadata	
"internet of things" OR IOT				
AND	Search Term	in	Author Affiliations	 
	IBM			
AND	Search Term	in	All Metadata	  


Command Search

Advanced Search

Advanced Search **Command Search** Citation Search

Enter keywords, phrases, or a Boolean expression

Use the drop down lists to choose Data Fields and Operators. [Learn how to use Boolean expressions in Command Search.](#)

Data Fields  Operators 

Operators need to be in all caps - i.e. AND/OR/NOT/NEAR/ONEAR. There is a maximum of 20 search terms per search clause.

Data field names need to be included before each search term.

Search Expression Examples 

```
"Full Text .AND. Metadata":app* NEAR/5 "Full Text Only":secur* AND "Author Affiliations":Apple
```

Organize Your Research with a Free IEEE Xplore Personal Account

- Take advantage of personalized features: search preferences, search history, and search alerts
- Select “Create Account” link on the top right of any IEEE Xplore page
- Fill out your First Name, Last Name, and email address. Your username is your email address

The image shows a composite of three screenshots from the IEEE Xplore website. The central screenshot displays the 'Create an IEEE Account' form. The form includes the following fields and options:

- Navigation: IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum
- Header: IEEE Xplore Digital Library | IEEE
- Top Right: Donate | Cart | **Create Account** | Personal Sign In
- Form Title: Create an IEEE Account (with a link to 'Sign In' for existing users)
- Required Fields:
 - Given / First Name: Jane
 - Middle Name: (empty)
 - Last / Surname: Doe
 - Email Address: jdoe@anywhere.com
 - Password: (masked with asterisks)
 - Confirm Password: (masked with asterisks)
 - Create Security Question: (dropdown menu)
 - Security Answer: (text input)
- Agreements:
 - I have read and accept IEEE Privacy Policy. (Text: By accepting the IEEE Privacy Policy, I am giving IEEE permission to communicate with me about IEEE Xplore and related information.)
 - I would like to receive information about becoming an IEEE member.
- Bottom: **Create Account** button

Red arrows in the image point to the 'Create Account' link in the top navigation bar and the 'Create Account' button at the bottom of the form.

Personal Account: Features to Save IEEE Content

- Export articles to My Research Projects (up to 15 Projects with 1,000 documents)
- Saving a Search Alert: Limit of 15 saved searches, results delivered weekly
- Set defaults for number of results per page, citation downloads, and sort by
- Content, citation, and author alerts
- My Favorite Journal & Magazine bookmarks
- Search History: IEEE *Xplore* saves your last 100 searches

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Search History

What can I access?

Preferences

Search Options

Search

All Metadata | **Full Text & Metadata** | Full Text Only

Search History Recording: **On** | Off

Results Layout

Title Only | **Title & Citation** | Title, Citation & Abstract

Results Per Page: 50 | Sort By: Relevance

Publisher

ALL

IEEE

IET

OUP

MIT Press

Show More...

Citation Download Options

Include: Citation Only | Citation & Abstract | **Plain Text** | BibTex | RIS | ReWorks

Email Alert Options

This will only be used for receiving e-mail alerts from IEEE Xplore. Changing this will not affect the e-mail address associated with your IEEE Account. Learn more



My Research Projects

Create up to 15 Projects with 1,000 articles each to organize your research

The screenshot displays the IEEE Xplore search results page with a modal window for managing research projects. The modal window is titled "My Research Projects" and shows that 2 items have been selected for export. A dropdown menu is open, listing "Add to Project", "Application Security", and "Cloud Computing", with "Application Security" highlighted. Below the dropdown is a text input field for "Add Document Tags" with a character limit of 50. A "Save" button is visible at the bottom right of the modal, with a red arrow pointing to it. In the background interface, a red arrow points to the "Export" button in the top right corner.

Access My Research Projects

Create new Projects and edit existing Projects

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Alerts

[My Research Projects](#)

My Research Projects ?

Create a New Project

Application Security

2 Document(s)
Project Created: Jul 14, 2021

Documents of interest regarding security of applications.

Cloud Computing

1 Document(s)
Project Created: Jul 13, 2021

Project focusing on cloud computing topics

IEEE

My Favorites: Journals and Magazines

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6 271 173

My Favorite Journals & Magazines ?

Content Type ^	IEEE Access	 
<input type="checkbox"/> Journals (2)		
<input type="checkbox"/> Magazines (1)		
Publisher v	IEEE Transactions on Antennas and Propagation	 
	IEEE Technology and Society Magazine	 

Personal Account: Saved Search Alerts

Get new content as it is published

Search within results

Showing 1-50 of 80,904 results for application NEAR/5 secur* x

Conferences (55,523) Journals (14,973)

Standards (1,982) Early Access Articles

Select All on Page

Show

- All Results
- Subscribed Content
- Open Access Only

Year

Single Year

1885 2023

Generation of Role Based Applications

J. Briffaut; X. Kauffmann-Tourkestansky; J.-F. Lalande; W. W. Smari
2009 Third International Conference on Emerging Security Information, Systems and Technologies
Year: 2009 | Conference Paper | Publisher: IEEE
Cited by: Patents (1)

Items Per Page Search History

Books (3,071)

Sort By

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The screenshot shows the IEEE Xplore website interface. At the top, the navigation bar includes 'IEEE Xplore', 'Browse', 'My Settings', and 'Help'. The 'My Settings' dropdown menu is open, with 'Alerts' highlighted by a red arrow. Below the navigation bar, the 'Alerts' page is displayed, featuring a search bar and a list of publications. The 'Alerts' page includes a section for 'Content Type' with checkboxes for 'Journals (228)', 'Magazines (51)', and 'Newsletters (1)'. The 'Publisher' section is expanded, showing a list of publications with checkboxes for 'IEEE Access' (checked) and 'IEEE Aerospace and Electronic Systems Magazine' (unchecked). A red arrow points to the 'Update' button at the bottom of the page. The 'Alerts' page also includes a 'Notify Me' section with checkboxes for 'When new issue is posted' and 'When new issue is complete'. The 'Alerts' page also includes a 'Purchase History' section and a 'Search History' section. The 'Alerts' page also includes a 'What can I access?' section. The 'Alerts' page also includes a 'Feedback' button.

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Holistic Web Application Security Visualization for Multi-Project and Multi-Phase Dynamic Application Security Test Results

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Holistic Web Application Security Visualization for Multi-Project and Multi-Phase Dynamic Application Security Test Results

Ferda Özdemir Sönmez; Banu Günel Kiliç

Centralized monitoring of the power electronics devices

Miroslav Lazić; Dragana Petrović; Bojan Plavšić; Bojana Jovanović; Željko Kovačević

Security Vulnerability
Visualization, HWAS-V

V. Case Study and HWAS-V

case study, sample data has been generated using the OWASP ZAP scanner tool and a prototype has been implemented to be used for validation purposes. This study allows the investigation of fifty metrics/measures for the multi-project/phase environment that enhances its benefits if the user aims to monitor a series of analyses' results and the changes between them

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Personal Account: Search History

Combine searches and export search history

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Search History

What can I access?

Search History

Search History Recording On Off

Search History provides an authoritative record of your queries. You can:

- Run, modify, and combine previous searches
- Review refinements and other details of a previous search
- Store up to 100 searches

Select multiple searches to combine them together.

80 AND 79

Keyword Wildcards: 0

Set #	Search Query
<input checked="" type="checkbox"/> 80	"smart grid"
<input checked="" type="checkbox"/> 79	control systems
<input type="checkbox"/> 78	application NEAR/5 secur*

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Indexed and searchable with helpful content on topics for users, librarians, and administrators

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Resources and Help

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Featured on IEEE Xplore

The IEEE Climate Change Collection

As the world's largest organization of technical professionals, IEEE has both the opportunity and the responsibility to assist in organizing the response of engineers, scientists, and technical professionals across the world to address the causes, mitigate the impact, and adapt to climate change.

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