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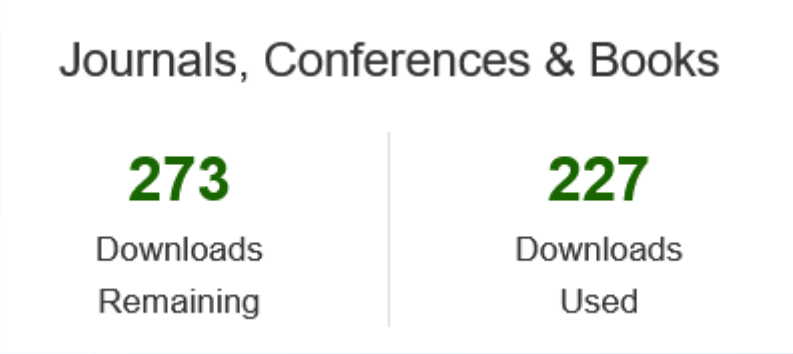

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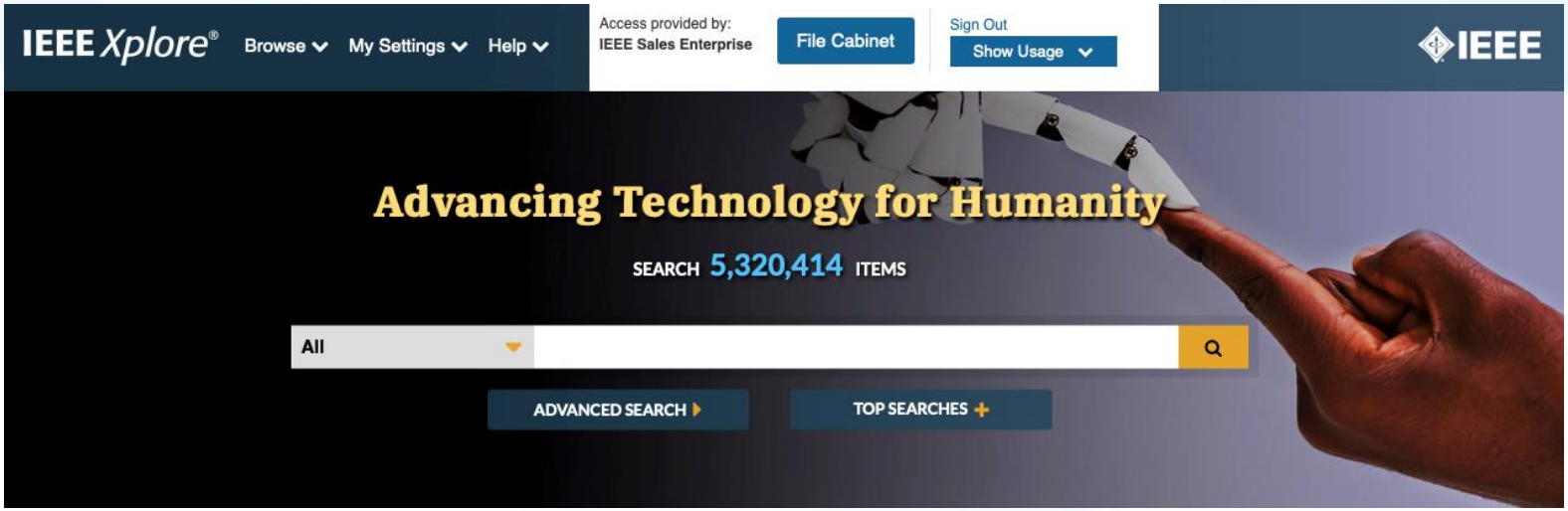
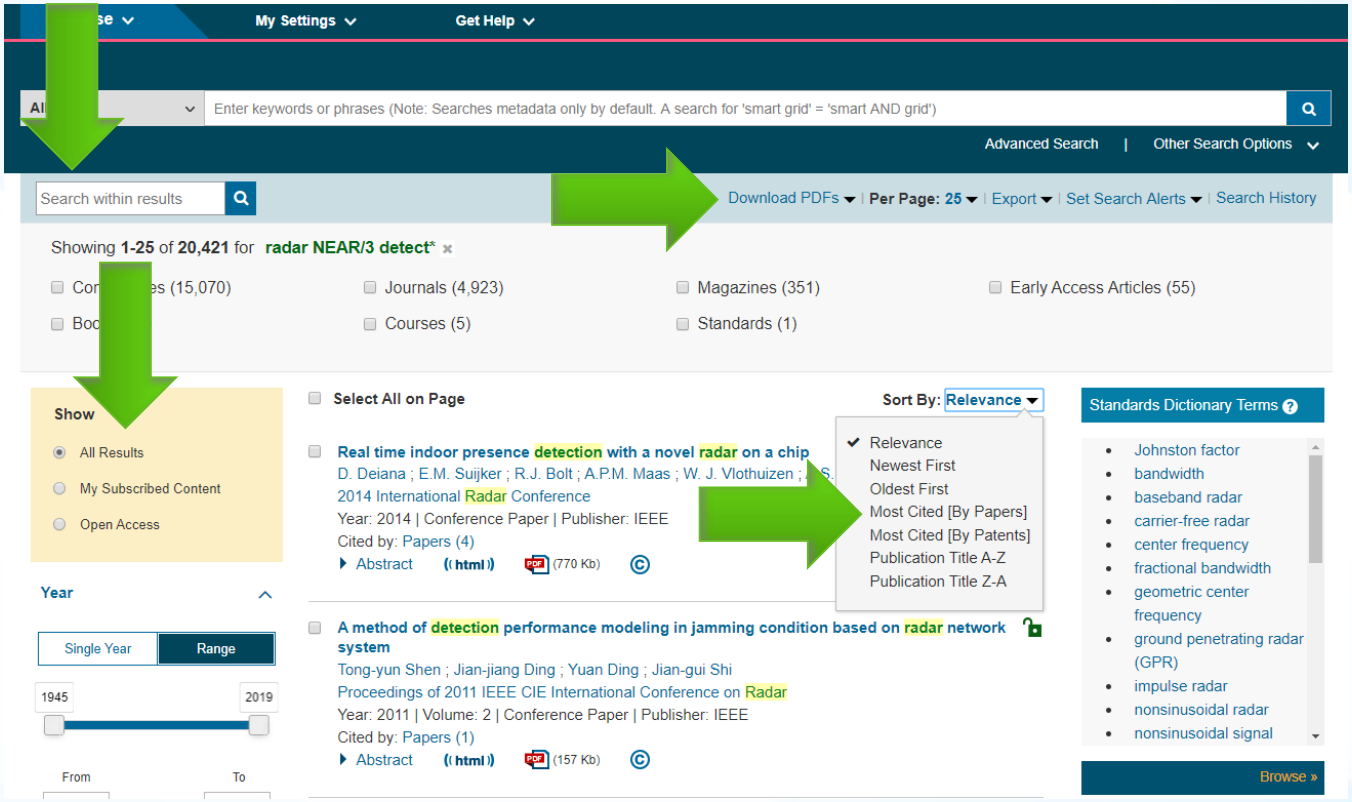
Support for Advanced Searchers: Basic Search



- 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)
- Wildcards supported: (* and ?)
- Wildcards 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).

Link to view 'Basic Searching' video tutorial here

Search Results and Refinements



- Boolean and Proximity Operators can now be used in Search Within Results from the search result page.
- Field Commands can now be used in Search Within Results.
- There is a maximum of 5 wildcards per search in IEEE *Xplore*. Search Within Results allows users to add 1 extra wildcard to the search.

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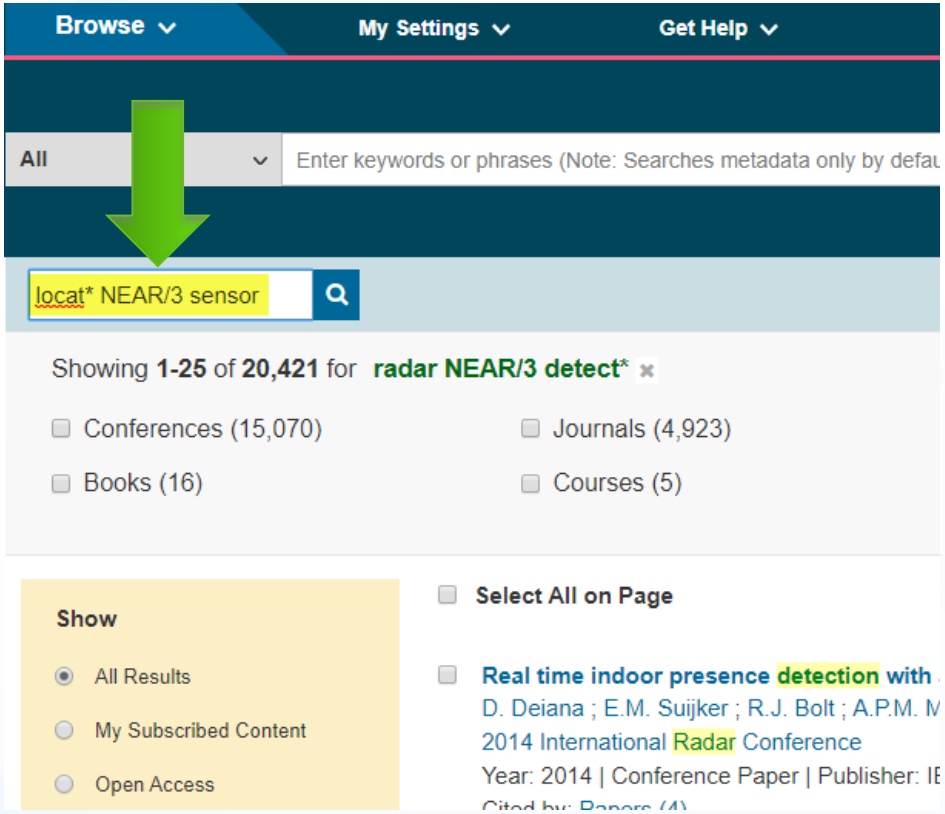

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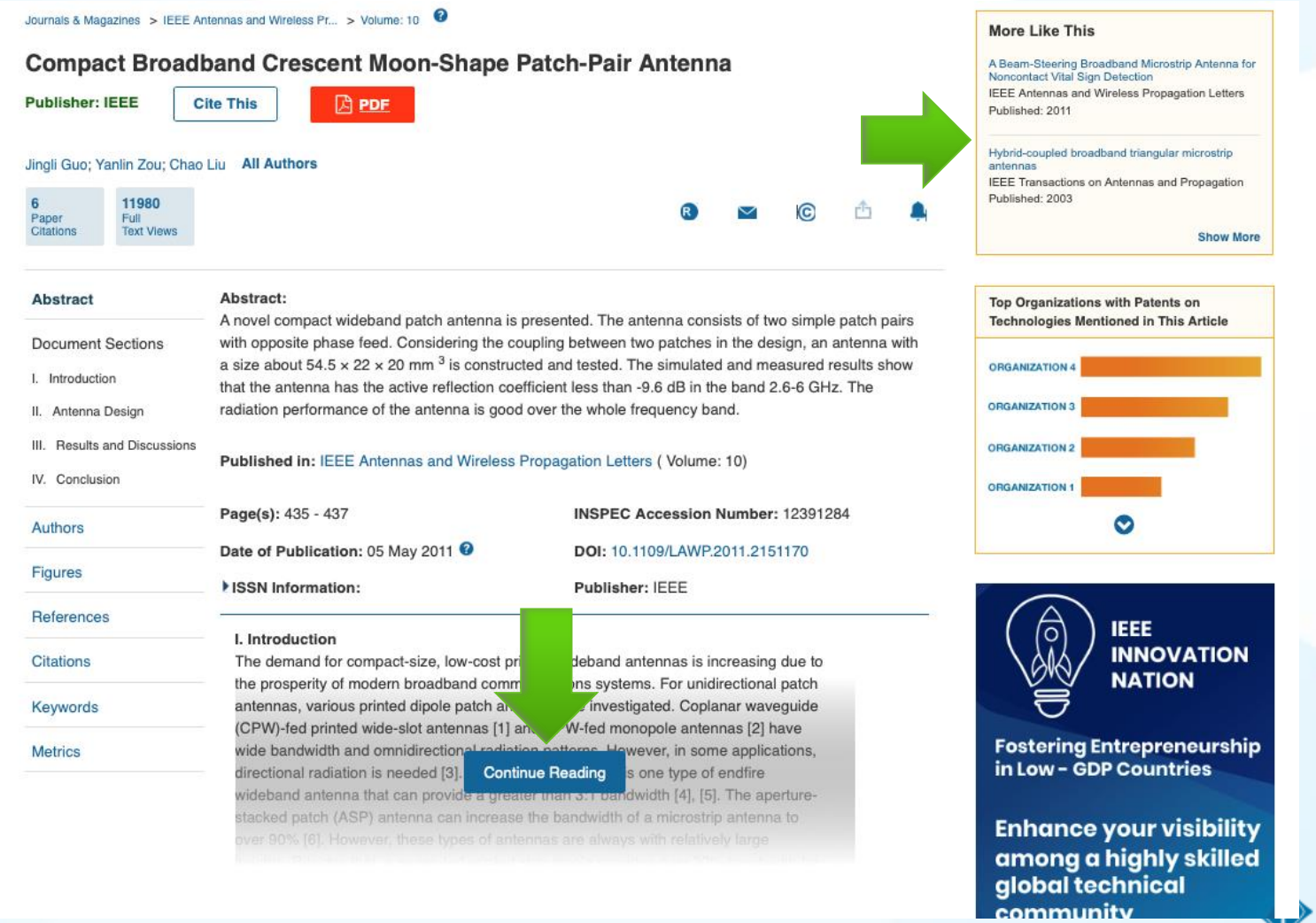

Journals & Magazines > IEEE Antennas and Wireless Pr... > Volume: 10

Compact Broadband Crescent Moon-Shape Patch-Pair Antenna

Publisher: IEEE | Cite This | PDF

Jingli Guo; Yanlin Zou; Chao Liu | All Authors

6 Paper Citations | 11980 Full Text Views

Abstract

Document Sections

I. Introduction

II. Antenna Design

III. Results and Discussions

IV. Conclusion

Authors

Figures

References

Citations

Keywords

Metrics

Abstract:
A novel compact wideband patch antenna is presented. The antenna consists of two simple patch pairs with opposite phase feed. Considering the coupling between two patches in the design, an antenna with a size about 54.5 × 22 × 20 mm ^{3} is constructed and tested. The simulated and measured results show that the antenna has the active reflection coefficient less than -9.6 dB in the band 2.6-6 GHz. The radiation performance of the antenna is good over the whole frequency band.

Published in: IEEE Antennas and Wireless Propagation Letters (Volume: 10)

Page(s): 435 - 437

INSPEC Accession Number: 12391284

Date of Publication: 05 May 2011

DOI: 10.1109/LAWP.2011.2151170

ISSN Information:

Publisher: IEEE

I. Introduction
The demand for compact-size, low-cost pr deband antennas is increasing due to the prosperity of modern broadband comm ns systems. For unidirectional patch antennas, various printed dipole patch a investigated. Coplanar waveguide (CPW)-fed printed wide-slot antennas [1] an W-fed monopole antennas [2] have wide bandwidth and omnidirectional radiation patterns. However, in some applications, directional radiation is needed [3]. s one type of endfire wideband antenna that can provide a greater than 3:1 bandwidth [4], [5]. The aperture-stacked patch (ASP) antenna can increase the bandwidth of a microstrip antenna to over 90% [6]. However, these types of antennas are always with relatively large

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IEEE Antennas and Wireless Propagation Letters
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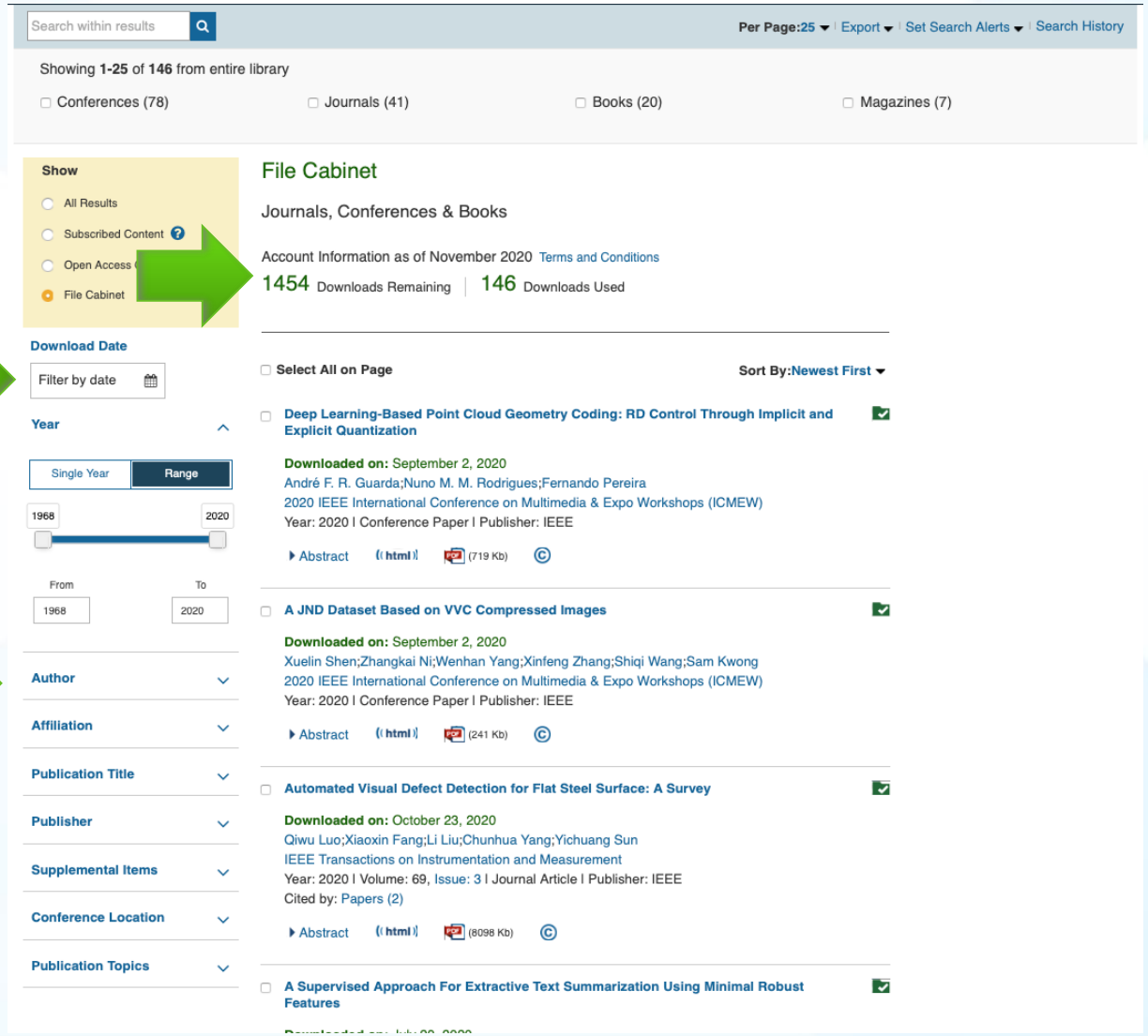

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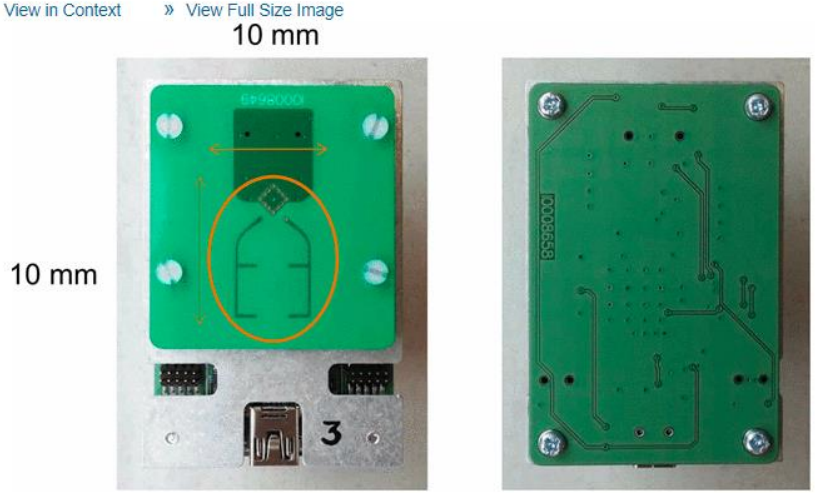

24 GHz FMCW radar. Top side view showing the chip and the two antennas (left); bottom side view (right).

Fig. 2.

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Right-Click Equations: Copy Source Code

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```
<math xmlns="http://www.w3.org/1998/Math/MathML" display="block">
  <mtable displaystyle="true">
    <mlabeledtr>
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          <mo>{</mo>
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            <mtr>
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                    <mn>0</mn>
                  </mrow>
                </msub>
                <mo>+</mo>
                <mi mathvariant="normal">&#x0394;<!-- Δ --></mi>
                <mi>l</mi>
                <mi>o</mi>
```

Right-Click Equations: Zoom Function

interpolation, the latitude and longitude are respectively L and B, interpolation equation is shown in (1):

$$\begin{cases} L = L_0 + \Delta lon \\ B = B_o + \Delta lat \end{cases} \tag{1}$$

Show Math As

View S

```
\begin
\tag{1
```

Where Δlon is the offset of longitude, Δlat is the

calculating equation for Δlon and Δlat is shown

$$\Delta lon = v^* \Delta t^* \sin\phi/(l^* \cos\theta) \tag{2}$$

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References & Citations

References

Citation Map

1. [online] Available: www.enlight-project.eu.
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2. E. M. Suijker et al., "Low cost low power 24 GHz FMCW radar trasceiver for indoor presence detection", *44 th European Microwave Conference (EuMC)* , 2014.
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3. E. B. Soyer, "Pyroelectric Infrared (PIR) Sensor Based Event Detection", July 2009.
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4. [online] Available: http://www3.panasonic.biz/ac/e/search_num/index.jsp?c=detail&part_no=EKMC1601111.
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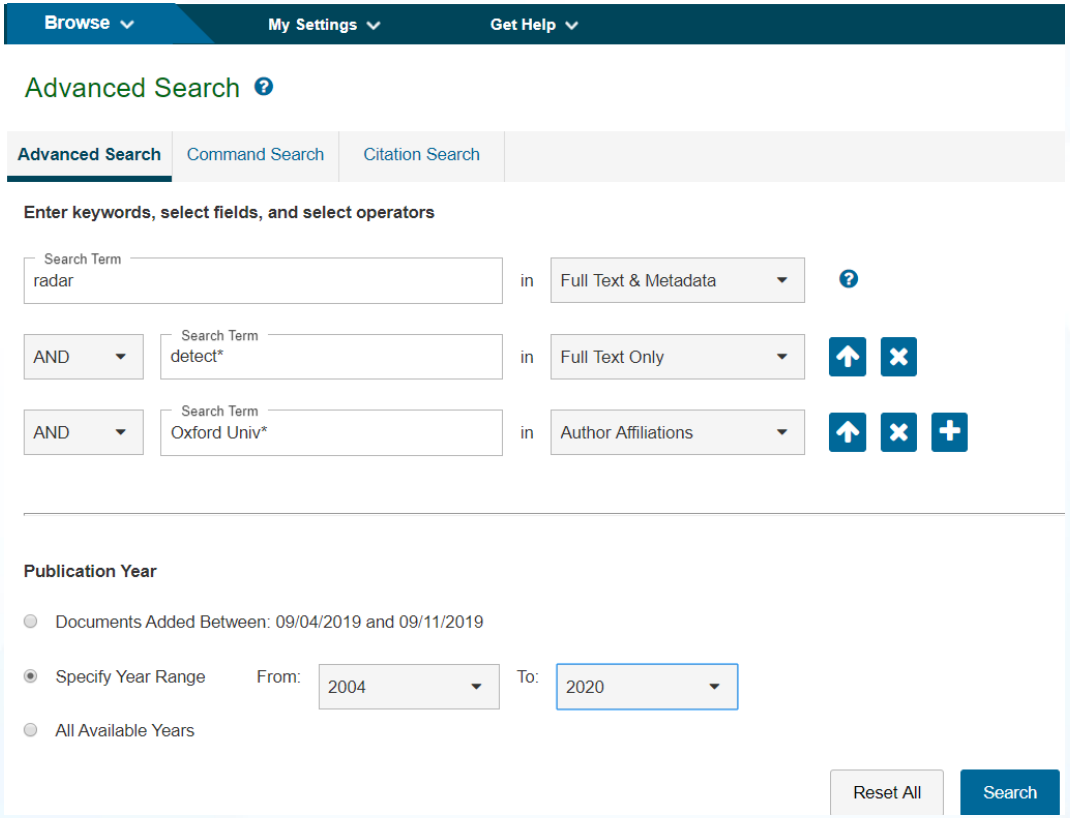
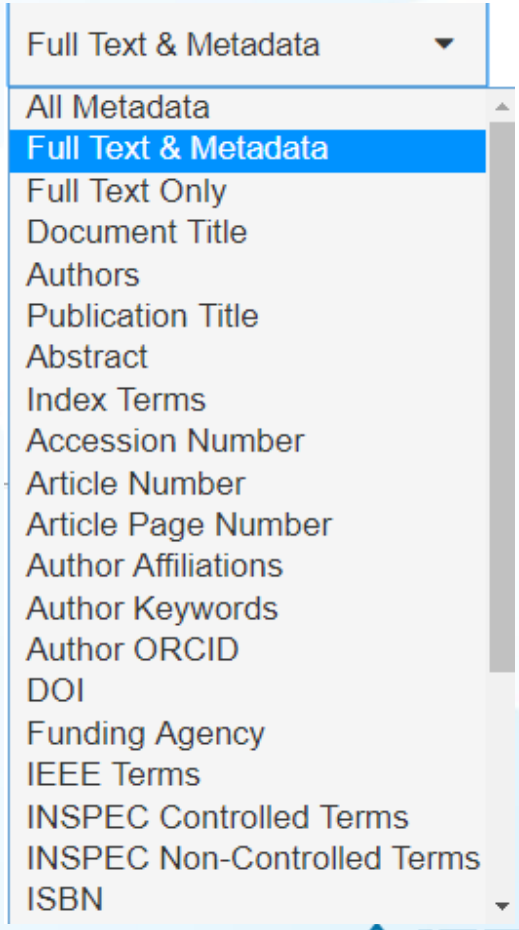
Advanced Search: Full Text and Field Searching

Leverage both Full Text & Metadata and Full Text Only searching across multiple search strings





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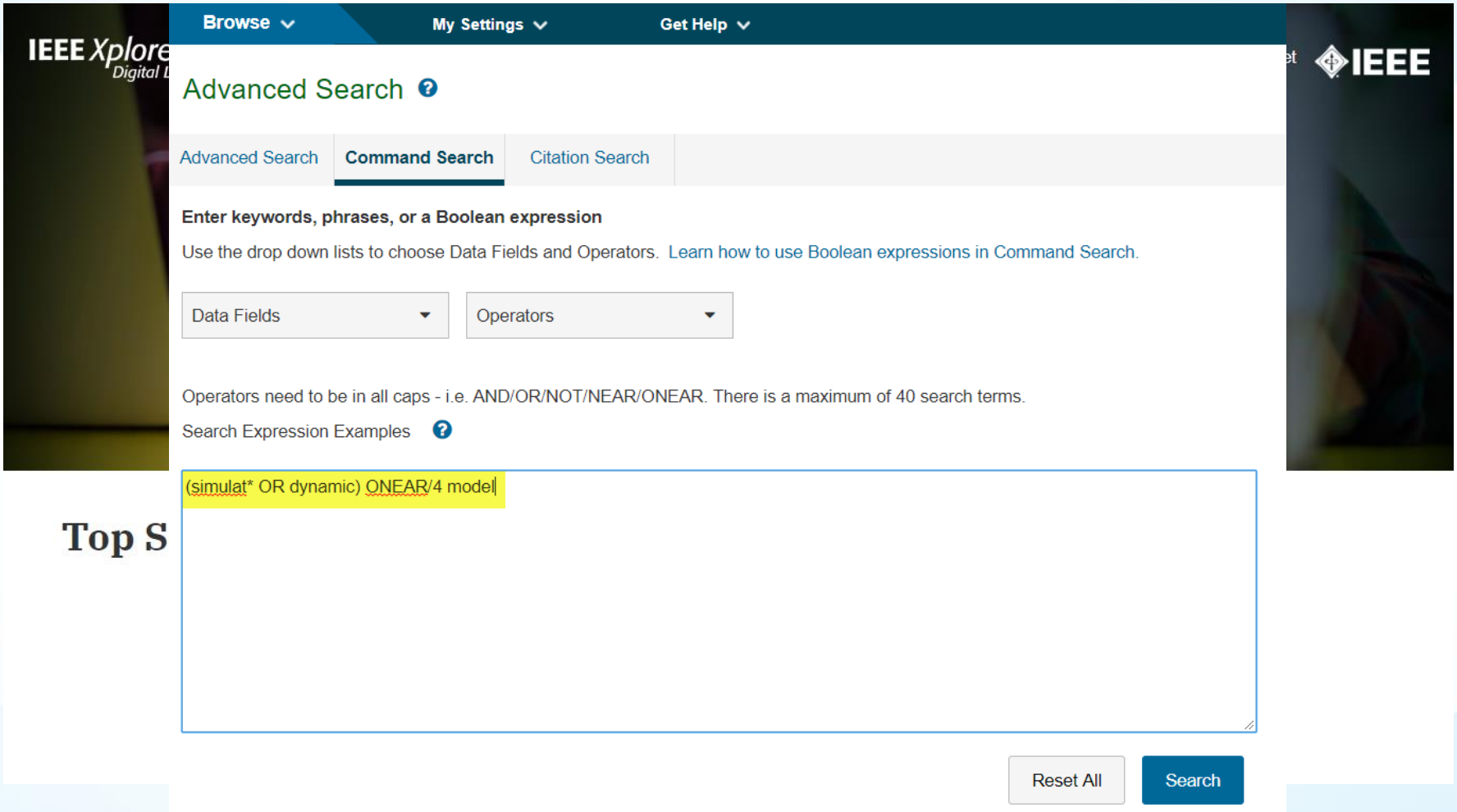

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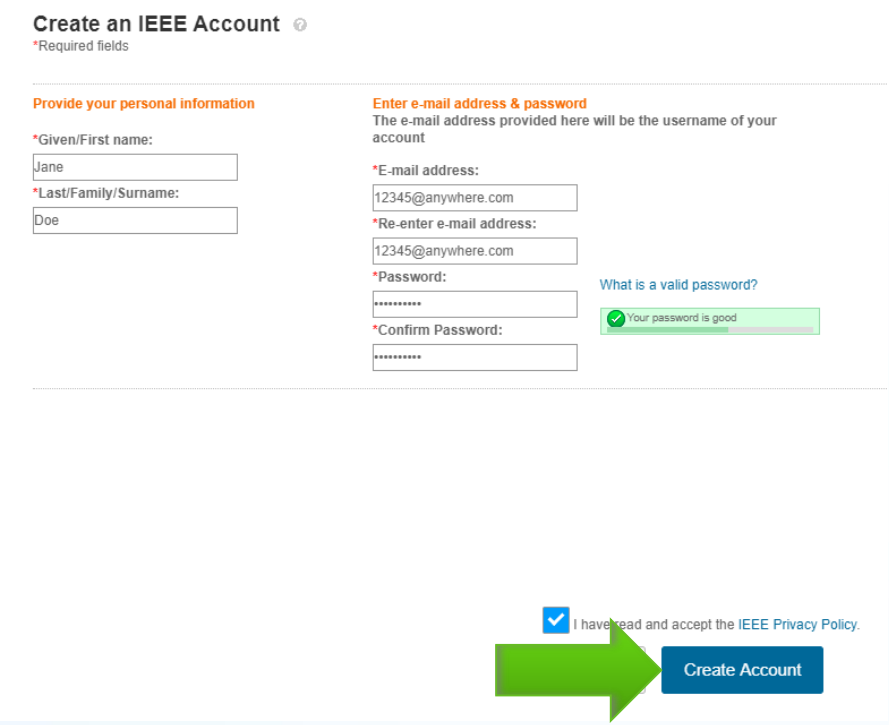

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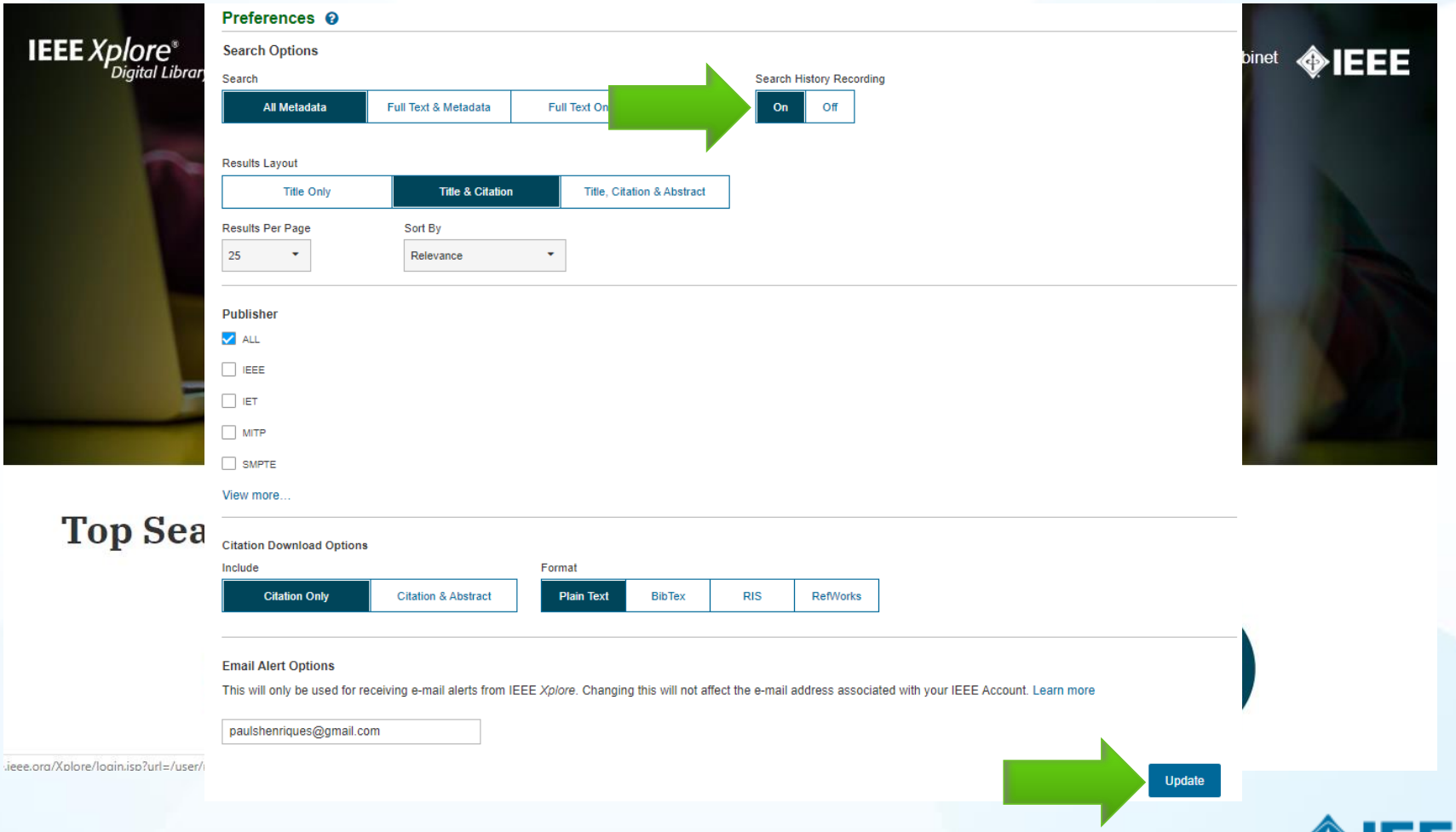

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2014 International Radar Conference
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Xiaolong Chen ; Baoxin Chen ; Jian Guan ; Yong Huang ; You He
IEEE Access

ary Terms

- Johnston factor
- bandwidth
- baseband radar
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- geometric center frequency
- ground penetrating radar (GPR)
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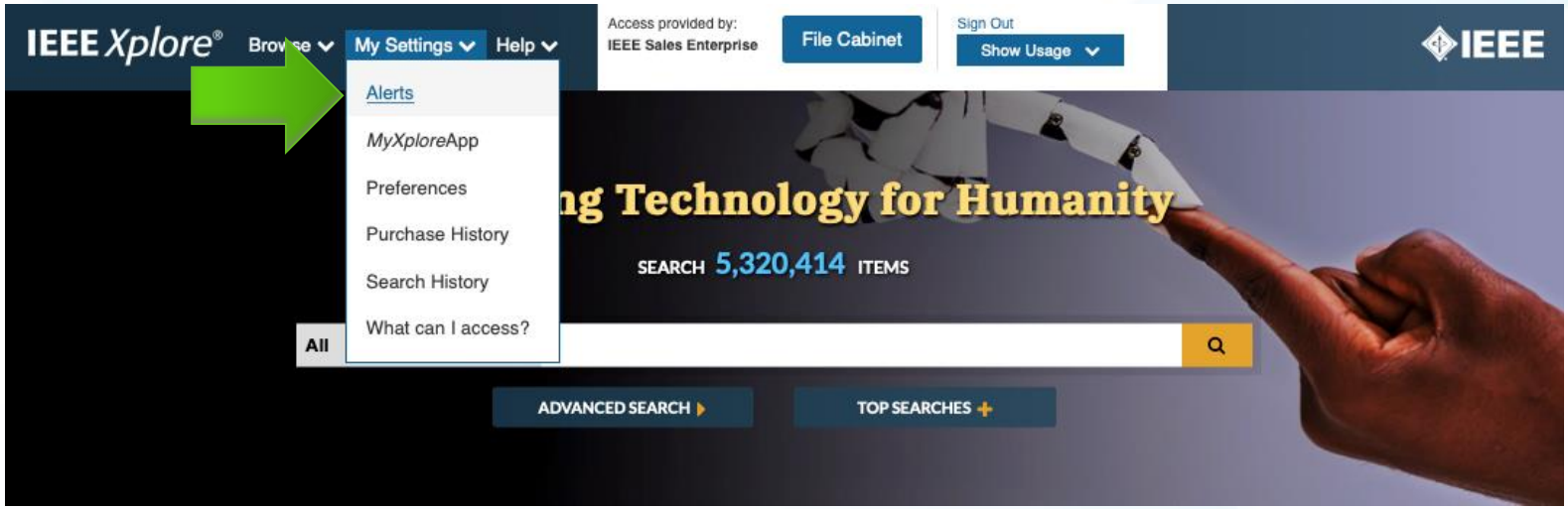

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Visually controlled graphics

A. Azarbayejani; T. Starner; B. Horowitz; A. Pentland

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7	"resource management" NEAR/10 (oil OR gas)	113 Sep. 24, 2019 17:58 UTC
6	"clean energy" AND electric*	1452 Sep. 24, 2019 17:52 UTC
5	hydraulic AND drill*	143 Sep. 23, 2019 08:24 UTC
4	"computer science"	330119 Sep. 16, 2019 08:12 UTC
3	radar NEAR/3 detect*	20153 Sep. 11, 2019 19:34 UTC
2	semiconductor NEAR/5 "smart meter"	0 Jun. 19, 2019 10:25 UTC

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