

Lampiran Tambahan :

Print screen :

AEU - International Journal of Electronics
and Communications

terindex Web of Science dengan

Impact Factor 3.169

Print screen :

List jurnal sudah di scopus-author

Print screen :

SCIMAGO SJR = 0.753 dan Quartil nya

Search results > Journal profile

Favorite Export

JCR YEAR

2021

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS

ISSN

1434-8411

EISSN

1618-0399

JCR ABBREVIATION

AEU-INT J ELECTRON C

ISO ABBREVIATION

AEU-Int. J. Electron. Commun.

Journal information

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

TELECOMMUNICATIONS - SCIE
ENGINEERING, ELECTRICAL & ELECTRONIC - SCIE

LANGUAGES

Multi-Language

REGION

GERMANY (FED REP GER)

231 ELECTRONIC JCR YEAR

1997

Publisher information

PUBLISHER

ELSEVIER GMBH

ADDRESS

HACKERBRUCKE 6, 80335
MUNICH, GERMANY

PUBLICATION FREQUENCY

15 issues/year

Journal's performance

Journal Impact Factor

The Journal Impact Factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection. It should be used with careful attention to the many factors that influence citation rates, such as the volume of publication and citations characteristics of the subject area and type of journal. The Journal Impact Factor can complement expert opinion and informed peer review. In the case of academic evaluation for tenure, it is inappropriate to use a journal-level metric as a proxy measure for individual researchers, institutions, or articles. [Learn more](#)

2021 JOURNAL IMPACT FACTOR

3.169

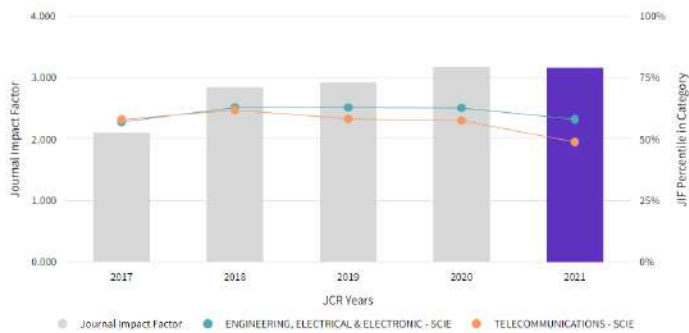
[View calculation](#)

JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

2.483

[View calculation](#)

Journal Impact Factor Trend 2021



[View all years](#)

Journal Impact Factor contributing items

[Export](#)

| Citable items (787) | | Citing Sources (397) | |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|--|
| TITLE | CITATION COUNT | | |
| Novel method of mobile edge computation offloading based on evolutionary game strategy for IoT devices | 25 | | |
| Energy Aware Cluster Based Multi-hop Energy Efficient Routing Protocol using Multiple Mobile Nodes (MEACBM) in Wireless Sensor Networks | 24 | | |
| Compact and low-frequency broadband microwave metamaterial absorber based on meander wire structure loaded resistors | 21 | | |
| Printed millimeter-wave MIMO-based slot antenna arrays for 5G networks | 20 | | |
| A review of GaN HEMT broadband power amplifiers | 17 | | |
| Improving the electrical characteristics of nanoscale triple-gate junctionless FinFET using gate oxide engineering | 17 | | |
| Non-ideal memristor synapse-coupled bi-neuron Hopfield neural network: Numerical simulations and breadboard experiments | 16 | | |
| Neutralization technique based two and four port high isolation MIMO antennas for UWB communication | 15 | | |
| Outage probability of NOMA system with wireless power transfer at source and full-duplex relay | 15 | | |
| Reconfigurable chaotic pseudo random number generator based on FPGA | 15 | | |

[View All in Web of Science](#)

Journal Citation Indicator (JCI)

[Export](#)

0.83

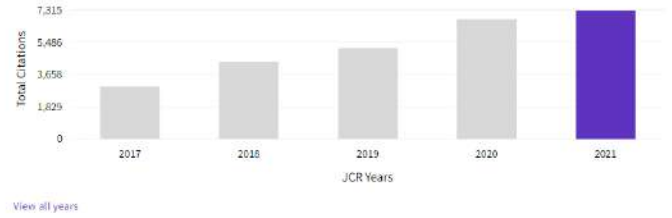
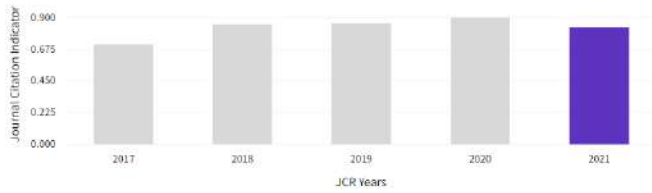
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (NCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in that category. It may be used alongside other metrics to help you evaluate journals. [Learn more](#)

Total Citations

[Export](#)

7,315

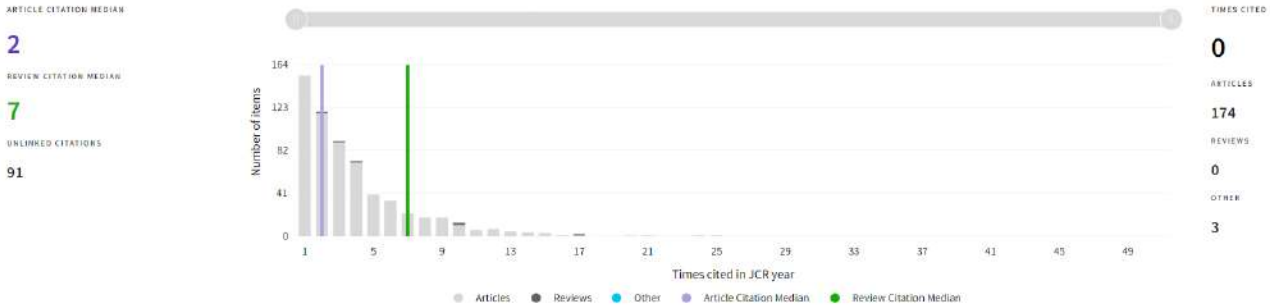
The total number of times that a journal has been cited by all journals included in the database in the JCR year. Citations to journals listed in JCR are compiled annually from the JCR years combined database, regardless of which JCR edition lists the journal.



Citation distribution

Export

The Citation Distribution shows the frequency with which items published in the year or two years prior were cited in the JCR data year (i.e., the component of the calculation of the JIF). The graph has similar functionality as the JIF Trend graph, including hover-over data descriptions for each data point, and an interactive legend where each data element's legend can be used as a toggle. You can view Articles, Reviews, or Non-Citable (other) items to the JIF numerator. [Learn more](#)



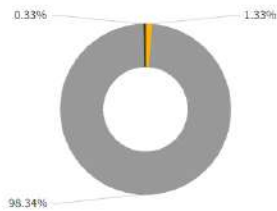
Open Access (OA)

Export

The data included in this tile summarizes the items published in the journal in the JCR data year and in the previous two years. For example, in the 2020 JCR data, released in June 2021, the Open Access (OA) data show the publication model (Gold OA or subscription) of materials published in 2018, 2019 and 2020, and citations in 2020 to these items. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal. [Learn more](#)

Items

TOTAL CITABLE: 1,200
 % OF CITABLE OA: 1.33%



Citations*

TOTAL CITABLE: 2,720
 % OF CITABLE OA: 0.22%



UNLINKED CITATIONS: 104 / 3.68%

*Citations in 2021 to items published in [2019-2021]

Rank by Journal Impact Factor

Journals within a category are sorted in descending order by Journal Impact Factor (JIF) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order. [Learn more](#)

EDITION: Science Citation Index Expanded (SCIE)
 CATEGORY: ENGINEERING, ELECTRICAL & ELECTRONIC
116/276

| JCR YEAR | JIF RANK | JIF QUARTILE | JIF PERCENTILE |
|----------|----------|--------------|----------------|
| 2021 | 116/276 | Q2 | 58.15 |
| 2020 | 102/273 | Q2 | 62.82 |
| 2019 | 99/266 | Q2 | 62.97 |
| 2018 | 99/266 | Q2 | 62.97 |
| 2017 | 112/260 | Q2 | 57.12 |

EDITION: Science Citation Index Expanded (SCIE)
 CATEGORY: TELECOMMUNICATIONS
48/93

| JCR YEAR | JIF RANK | JIF QUARTILE | JIF PERCENTILE |
|----------|----------|--------------|----------------|
| 2021 | 48/93 | Q3 | 45.92 |
| 2020 | 39/91 | Q2 | 57.69 |
| 2019 | 38/90 | Q2 | 58.33 |
| 2018 | 34/88 | Q2 | 61.93 |
| 2017 | 37/87 | Q2 | 58.05 |

Rank by Journal Citation Indicator (JCI) [Ⓞ]

Journals within a category are sorted in descending order by Journal Citation Indicator (JCI) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order. [Learn more](#)

CATEGORY
ENGINEERING, ELECTRICAL & ELECTRONIC
118/344

| JCR YEAR | JCI RANK | JCI QUARTILE | JCI PERCENTILE | |
|----------|----------|--------------|----------------|------------------------------------|
| 2021 | 118/344 | Q2 | 65.84 | <div style="width: 65.84%;"></div> |
| 2020 | 98/319 | Q2 | 69.44 | <div style="width: 69.44%;"></div> |
| 2019 | 108/318 | Q2 | 66.19 | <div style="width: 66.19%;"></div> |
| 2018 | 114/312 | Q2 | 63.62 | <div style="width: 63.62%;"></div> |
| 2017 | 133/306 | Q2 | 56.70 | <div style="width: 56.70%;"></div> |

CATEGORY
TELECOMMUNICATIONS
47/115

| JCR YEAR | JCI RANK | JCI QUARTILE | JCI PERCENTILE | |
|----------|----------|--------------|----------------|------------------------------------|
| 2021 | 47/115 | Q2 | 59.57 | <div style="width: 59.57%;"></div> |
| 2020 | 37/105 | Q2 | 65.24 | <div style="width: 65.24%;"></div> |
| 2019 | 37/105 | Q2 | 65.24 | <div style="width: 65.24%;"></div> |
| 2018 | 43/104 | Q2 | 59.13 | <div style="width: 59.13%;"></div> |
| 2017 | 44/102 | Q2 | 57.35 | <div style="width: 57.35%;"></div> |

Citation network

Cited Half-life

3.5 years

The Cited Half-Life is the median age of the items in this journal that were cited in the JCR year. Half of a journal's cited items were published more recently than the cited half-life.

TOTAL NUMBER OF CITES

7,315

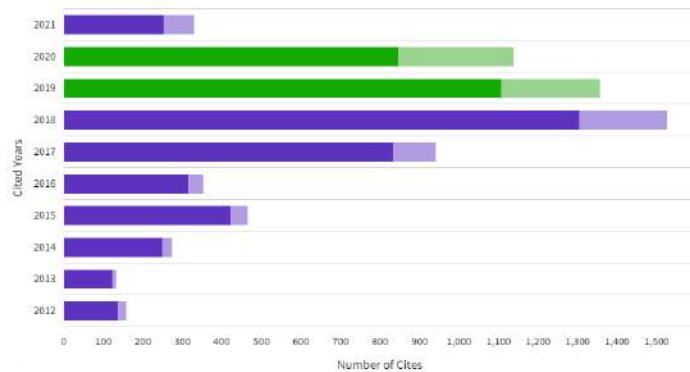
NON SELF-CITATIONS

6,149

SELF-CITATIONS

1,166

Cited Half-life Data



- Non-self citations: citations to the journal from the items in other sources
- Citations to items in the journal from items in the same journal
- Citations used to calculate the Impact Factor

Citing Half-life

5.7 years

The Citing Half-Life is the median age of items in other publications cited by this journal in the JCR year.

TOTAL NUMBER OF CITES

12,887

NON SELF-CITATIONS

11,721

SELF-CITATIONS

1,166

Citing Half-life Data

Export

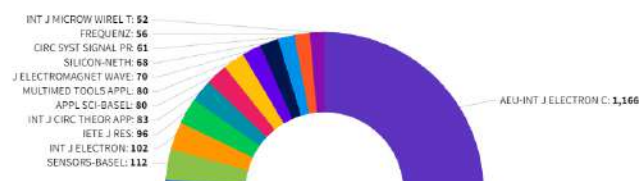
| CITED YEAR | # OF CITES FROM 2021 | CUMULATIVE % | # OF CITING SOURCES |
|------------------|------------------------|----------------|---------------------|
| All years | 7,315 citations | 100.00% | 811 sources |
| 2021 | 330 citations | 4.51% | 95 sources |
| 2020 | 1,138 citations | 20.07% | 259 sources |
| 2019 | 1,356 citations | 38.61% | 296 sources |
| 2018 | 1,526 citations | 59.47% | 308 sources |
| 2017 | 940 citations | 72.32% | 284 sources |
| 2016 | 353 citations | 77.14% | 168 sources |
| 2015 | 465 citations | 83.50% | 209 sources |
| 2014 | 274 citations | 87.25% | 146 sources |
| 2013 | 132 citations | 89.05% | 88 sources |
| 2012 | 158 citations | 91.21% | 90 sources |
| Older | 643 citations | | |

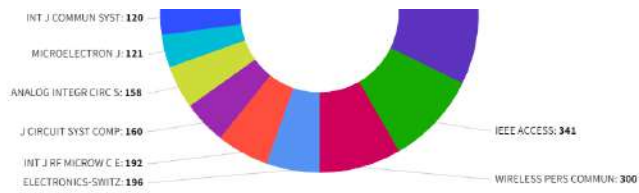
Journal Citation Relationships

Cited Data

Citing Data

Top 20 journals citing AEU-INT J ELECTRON C by number of citations:





Content metrics

Source data

This tile shows the breakdown of document types published by the journal. Citable Items are Articles and Reviews. For the purposes of calculating JIF, a JCR year considers the publications of that journal in the two prior years. [Learn more](#)

413 total citable items

| | ARTICLES | REVIEWS | COMBINED(C) | OTHER DOCUMENT TYPES(D) | PERCENTAGE |
|-----------------------------|----------|---------|-------------|-------------------------|------------|
| NUMBER IN JCR YEAR 2022 (A) | 410 | 3 | 413 | 1 | 100% |
| NUMBER OF REFERENCES (B) | 12,734 | 152 | 12,886 | 1 | 100% |
| RATIO (B/A) | 31.1 | 50.7 | 31.2 | 1.0 | |

Average JIF Percentile

The Average Journal Impact Factor Percentile takes the sum of the JIF Percentile rank for each category under consideration, then calculates the average of those values. [Learn more](#)

| | |
|--------------------------------------|---------------------------------|
| ALL CATEGORIES AVERAGE | 53.54 |
| EDITION | Science Citation Index Expanded |
| ENGINEERING, ELECTRICAL & ELECTRONIC | 58.15 |
| TELECOMMUNICATIONS | 48.92 |

Contributions by organizations

Organizations that have contributed the most papers to the journal in the most recent three-year period. [Learn more](#)

| RANK | ORGANIZATION | COUNT |
|------|----------------------------------------------------|-------|
| 1 | NATIONAL INSTITUTE OF TECHNOLOGY (NIT SYSTEM) | 86 |
| 2 | INDIAN INSTITUTE OF TECHNOLOGY SYSTEM (IIT SYSTEM) | 59 |
| 3 | EGYPTIAN KNOWLEDGE BANK (EKB) | 55 |
| 4 | ISLAMIC AZAD UNIVERSITY | 41 |
| 5 | DELHI TECHNOLOGICAL UNIVERSITY | 19 |
| 6 | TON DUC THANG UNIVERSITY | 18 |
| 7 | JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI | 15 |
| - | KING MONGKUTS INSTITUTE OF TECHNOLOGY LADKRABANG | 15 |
| - | SHAHID BEHESHTI UNIVERSITY | 15 |
| 10 | BIRNO UNIVERSITY OF TECHNOLOGY | 14 |

Contributions by country/region

Countries or Regions that have contributed the most papers to the journal in the most recent three-year period. [Learn more](#)

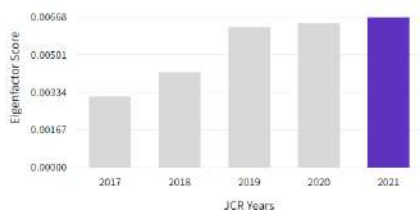
| RANK | COUNTRY / REGION | COUNT |
|------|------------------|-------|
| 1 | India | 384 |
| 2 | Iran | 243 |
| 3 | CHINA MAINLAND | 187 |
| 4 | Turkey | 68 |
| 5 | Egypt | 59 |
| 6 | Spain | 44 |
| 7 | Canada | 36 |
| 8 | USA | 33 |
| 9 | Malaysia | 32 |
| 10 | Brazil | 30 |

Additional metrics

Eigenfactor Score

0.00668

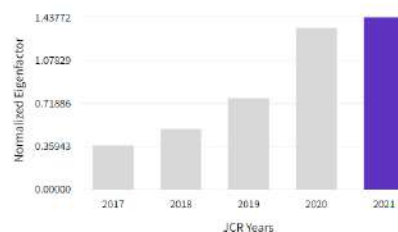
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than less cited sources. The Eigenfactor calculation does not include journal self-citations. [Learn more](#)



Normalized Eigenfactor

1.43772

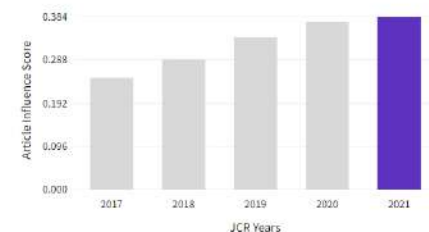
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.384

The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence. [Learn more](#)



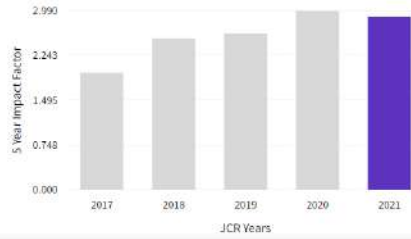
5 Year Impact Factor



2.895

[View Calculation](#)

The 5-year Impact Factor is the average number of times articles from the journal published in the past five years have been cited in the JCR year. It is calculated by dividing the number of citations in the JCR year by the total number of articles published in the five previous years.



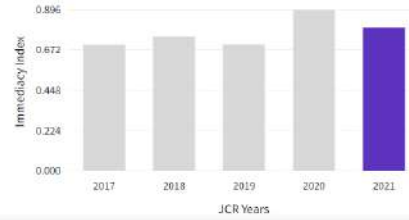
Immediacy Index



0.799

[View Calculation](#)

The Immediacy Index is the count of citations in the current year to the journal that reference content in this same year. Journals that have a consistently high Immediacy Index attract citations rapidly. [Learn more](#)



How likely are you to recommend Journal Citation Reports to a friend or coworker?

Not at all likely 0 1 2 3 4 5 6 7 8 9 10 Extremely likely





This author profile is generated by Scopus. Learn more

Firmansyah, Teguh

Universitas Sultan Ageng Tirtayasa, Serang, Indonesia 54971241500 <https://orcid.org/0000-0002-9000-9337> View more

286

Citations by 230 documents

58

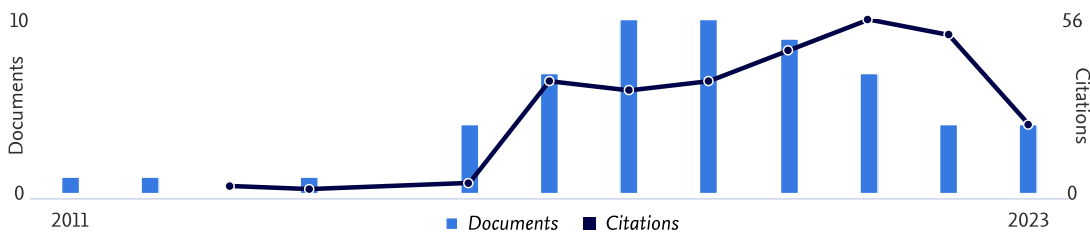
Documents

11

h-index View h-graph

Set alert Save to list Edit profile More

Document & citation trends



Analyze author output Citation overview

Most contributed Topics 2018–2022

Stepped Impedance Resonator; Bandpass Filters; Compact

7 documents

Multiple-Input Multiple-Output (MIMO); Antenna; Antenna Arrays

3 documents

Radio over Fiber; Sidebands; Optics

2 documents

View all Topics

58 Documents Cited by 230 documents 1 Preprint 113 Co-Authors 27 Topics 0 Awarded Grants

Beta

58 documents

Export all Save all to list

Sort by Date (...

Article

Modeling of quasi-tapered microstrip antenna based on expansion-exponential tapered method and its application for wideband MIMO structure

0

Citations

Firmansyah, T., Praptodiyono, S., Permana, J., ...Alaydrus, M., Kondoh, J.

AEU - International Journal of Electronics and Communications, 2023, 169, 154745

Show abstract View at Publisher Related documents

Article

Multifunctional of dual-band permittivity sensors with antenna using multicascode T-shaped resonators for simultaneous measurement of solid materials and data transfer capabilities

0

Citations

Alam, S., Zakaria, Z., Surjati, I., ...Alaydrus, M., Firmansyah, T.

Measurement: *Journal of the International Measurement Confederation*, 2023, 217,

113078

Show abstract  View at Publisher  Related documents

Article • Article in Press

Integrated Microwave Sensor and Antenna Sensor Based on Dual T-Shaped Resonator Structures for Contact and Non-Contact Characterization of Solid Material

0

Citations

Alam, S., Zakaria, Z., Surjati, I., ...Alaydrus, M., Firmansyah, T.

IEEE Sensors Journal, 2023

Show abstract  View at Publisher 

Conference Paper

Highly Independent Dual-Band Permittivity Sensors for Simultaneous Measurement of Solid Materials

0

Citations

Alam, S., Zakaria, Z., Surjati, I., ...Alaydrus, M., Firmansyah, T.

2023 33rd International Conference Radioelektronika, RADIOELEKTRONIKA 2023,

2023

Show abstract  View at Publisher  Related documents

Article


Dual-Band Independent Permittivity Sensor Using Single-Port with a Pair of U-Shaped Structures for Solid Material Detection

8

Citations

Alam, S., Zakaria, Z., Surjati, I., ...Alaydrus, M., Firmansyah, T.

IEEE Sensors Journal, 2022, 22(16), pp. 16111–16119

Show abstract  View at Publisher  Related documents

Article • Open access

Bandwidth Enhancement and Circular Polarization Microstrip Antenna Using L Slot and Rectangular Parasitic Stacked | Мікросмуужкова антена з розширенням смуги пропускання та круговою поляризацією з використанням L-слоту та стопкою прямокутних паразитних елементів

0

Citations

Alam, S., Surjati, I., Sari, L., ...Zakaria, Z., Shairi, N.A.

Journal of Nano- and Electronic Physics, 2022, 14(4), 04029

Show abstract  View at Publisher  Related documents

Article • Open access

Triple Band Notched Microstrip Antenna Using Planar Series 2x2 Element Array for 5G Communication System

1

Citations

Alam, S., Surjati, I., Sari, L., ...Hikmaturokhman, A., Firmansyah, T.

Journal of Nano- and Electronic Physics, 2022, 14(1), 01019

Show abstract  View at Publisher  Related documents

Article

Reconfigurable localized surface plasmon resonance spectrum based on acousto-dynamic coupling in arrays gold nanoparticles induced by shear horizontal vibration

0

Citations

Firmansyah, T., Wibisono, G., Tjipto Rahardjo, E., Kondoh, J.

Applied Surface Science, 2022, 571, 151331

Show abstract  View at Publisher  Related documents

Article

Multifunctional and Sensitivity Enhancement of Hybrid Acoustoplasmonic Sensors Fabricated on 36XY-LiTaO₃ with Gold Nanoparticles for the Detection of Permittivity, Conductivity, and the Refractive Index

4

Citations

Firmansyah, T., Wibisono, G., Rahardjo, E.T., Kondoh, J.

ACS Applied Materials and Interfaces, 2021, 13(11), pp. 13822–13837

Article

A highly independent and controllable dual-band bandpass filter based on source-load coupling with stub-block isolation structure

2


Citations

Denny, Y.R., Firmansyah, T.

Microwave and Optical Technology Letters, 2021, 63(3), pp. 729–735

Show abstract  View at Publisher  Related documents

< Previous 1 2 3 4 5 6 Next >

Display 10 results 

[Back to top](#)

[> View list in search results format](#)

[> View references](#)

[!\[\]\(95b425611cbd2b8716a140cf67c81822_img.jpg\) Set document alert](#)

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions ↗](#) [Privacy policy ↗](#)

Copyright © Elsevier B.V. ↗. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.



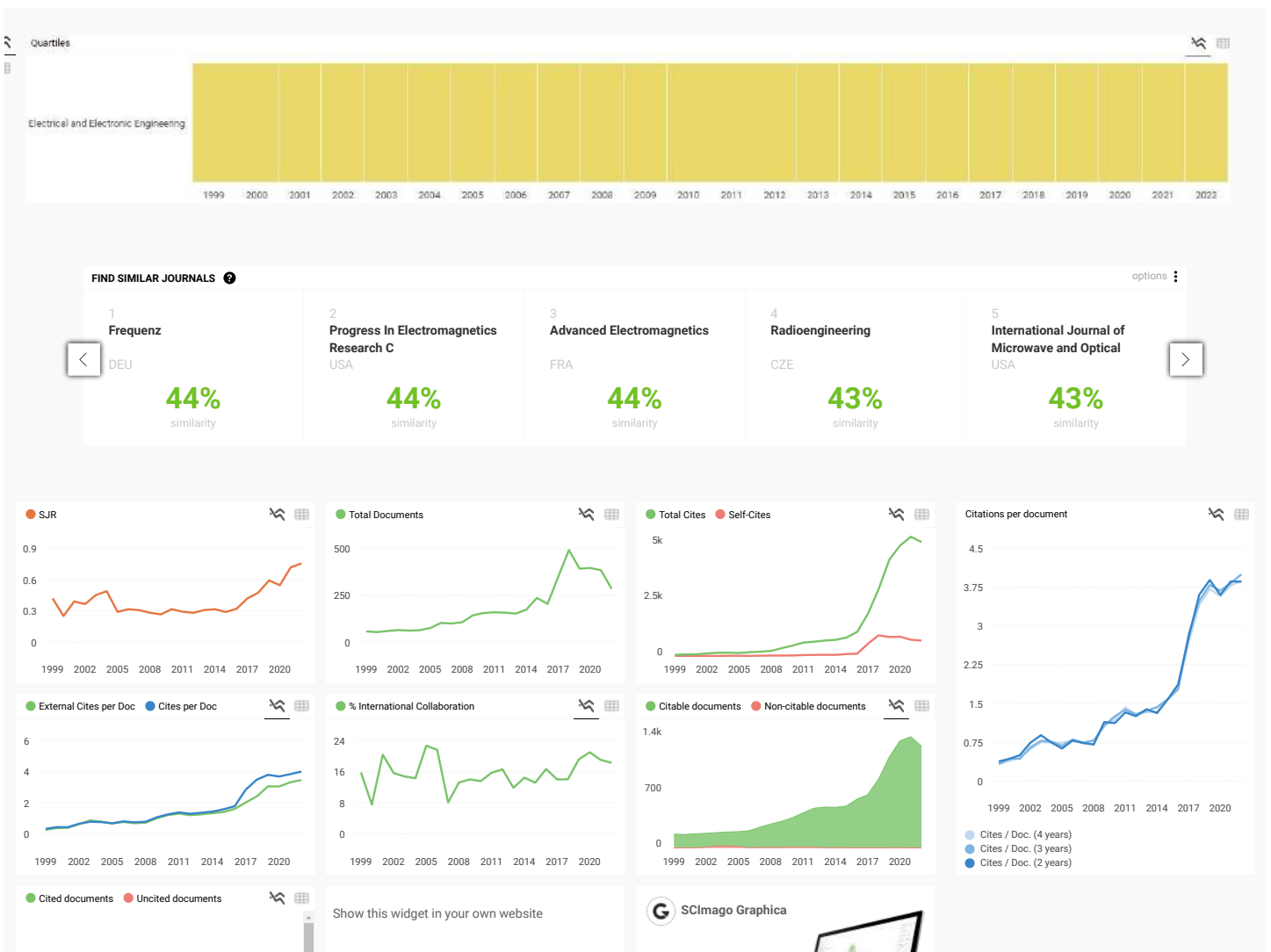
AEU - International Journal of Electronics and Communications

| | | | |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| COUNTRY Germany Universities and research institutions in Germany Media Ranking in Germany | SUBJECT AREA AND CATEGORY Engineering Electrical and Electronic Engineering | PUBLISHER Urban und Fischer Verlag Jena | H-INDEX 72 |
| PUBLICATION TYPE Journals | ISSN 16180399, 14348411 | COVERAGE 2001-2022 | INFORMATION Homepage How to publish in this journal Contact |

SCOPE

AEU is an international scientific journal which publishes original works, invited tutorials, and special issues on the state-of-the-art research areas. The journal's scope covers design and implementation of electronic devices, circuits, and communication systems, including but not limited to: circuit theory and applications analog and digital integrated circuit design electronic components and devices RF circuits analog, digital, and mixed signal processing building blocks and systems (filters, oscillators, VCOs, PLLs, etc.) biomedical circuits memristors and memristive circuits neuromorphic circuits power electronic circuits integrated circuits for communications circuits for optical communication systems realization of microwave, radar, and sonar systems realization of antenna systems keywords: circuit theory, integrated circuits, analog circuits, digital circuits, mixed signal circuits, electronic components, electronic devices, memristors, filters, oscillators, biomedical circuits, neuromorphic circuits, RF circuits, optical communication systems, microwave systems, antenna systems.

Join the conversation about this journal





AEU - International Journal of Electronics and...

Q2 Electrical and Electronic Engineering

Best Quartile

SJR 2022 0.76

← Just copy the code below and paste within your html code:

<a href="https://www.scimag

Explore, visually communicate and make sense of data with our [new data visualization tool](#).



Metrics based on Scopus® data as of April 2023

Leave a comment

Name

Email

(will not be published)

I'm not a robot

The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

Developed by:



Powered by:

