

# JOURNAL "TECHNICAL ELECTRODYNAMICS" IN INTERNATIONAL INFORMATION SPACE

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[www.techned.org.ua](http://www.techned.org.ua)

**In analytical information systems Journals are a source of data on:**

- **authors' publishing activity;**
- **publication activity and rating of the organization on publications of its employees;**
- **assessment of the recognition degree and level of publications based on their citation;**
- **journal quality compared to other ones in the relevant subject area;**
- **AND IN GENERAL: on the development directions of science and its achievements, competitiveness and degree of integration into the world scientific community**

## DATABASES IN WHICH THE JOURNAL IS INDEXED

**SciVerse Scopus** - since 2012, the **Technical Electrodynamics** journal is indexed in the international scientific reference database **SciVerse Scopus**. [www.scopus.com](http://www.scopus.com)

**Ulrich's Web Global Serials Directory** is electronic international catalog of periodicals. Since 2010, the **Technical Electrodynamics** journal is included in **Ulrich's Web Global Serials Directory**. [www.ulrichsweb.com](http://www.ulrichsweb.com)

**Engineering Village**. Since 2012, the **Technical Electrodynamics** journal has been included in the scientific and technical reference database **Compendex®**, which is part of the sole Internet platform **Engineering Village** of **ELSEVIER** publishing house. [www.engineeringvillage.com](http://www.engineeringvillage.com)

**E-library** is scientific electronic library – Russia's largest information portal in the fields of science, technology, medicine and education. Since 2008, the **Technical Electrodynamics** journal is included in the **e-library**. [www.elibrary.ru](http://www.elibrary.ru)

**EBSCOhost databases.** In 2013, the Institute of Electrodynamics of the NAS of Ukraine signed a License Agreement with **EBSCO Publishing, Inc.** (USA) for the distribution of publications content of the **Technical Electrodynamics** journal. The Journal is included in the full-text database of the **EBSCOhost** platform. [www.ebsco.com](http://www.ebsco.com)

**ProQuest.** In 2013, the Institute of Electrodynamics of the NAS of Ukraine signed a License Agreement with **ProQuest.** **Technical Electrodynamics** journal is available in the **ProQuest** Search Engine. [www.proquest.com](http://www.proquest.com)

**Google Scholar** is a free search engine that indexes the full text of scientific publications of all formats and disciplines. The **Google Scholar** Index includes a large number of peer-reviewed journals from the largest scientific publishers in Europe and America. [www.scholar.google.com.ua](http://www.scholar.google.com.ua)

**Crossref** assigns DOI (Digital Object Identifier) for published scientific digital objects. Since 2016, all scholarly articles published in the **Technical Electrodynamics** journal have DOI. <https://doi.org/>

# SCIENTOMETRIC INDICATORS OF THE TECHNICAL ELECTRODYNAMICS JOURNAL IN SCOPUS

**SJR – SCImago Journal Rank** – the impact rate of a scientific journal, an alternative to the impact factor, takes into account not only the number of citations, but also their qualitative indicators, in particular the authority of references, that is, the authority of journals citing articles in this edition.

**SNIP – Source Normalized Impact per Paper** – an indicator that takes into account the scientific field of the publication, the rate and the number of citations accepted in the field.

**IPP – Impact per Publication** is calculated as the ratio of the number of citations for the current year to the total number of publications in the last three years. IPP can be considered an analogue of the well-known journal impact factor.

**h-индекс** (the Hirsch index) is calculated to evaluate the performance of specific scientists, research groups, institutions, publications or countries.

**Quartile (quarter) Q** - is a category of scientific journals defined by bibliometric indicators that reflect the level of citation, that is, the need for the journal by the scientific community.

# SCIMAGO INSTITUTIONS RANKINGS

<http://www.journalindicators.com/indicators/journal/21100207636>

## Technical Electrodynamics

Country	Ukraine -  SIR Ranking of Ukraine
Subject Area and Category	Energy Energy Engineering and Power Technology Engineering Electrical and Electronic Engineering
Publisher	National Academy of Sciences of Ukraine
Publication type	Journals
ISSN	16077970, 22181903
Coverage	2012-ongoing

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H Index

## Technical Electrodynamics

Q3

Electrical and  
Electronic  
Engineering

best quartile

SJR 2018

0.19

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# Technical Electrodynamics

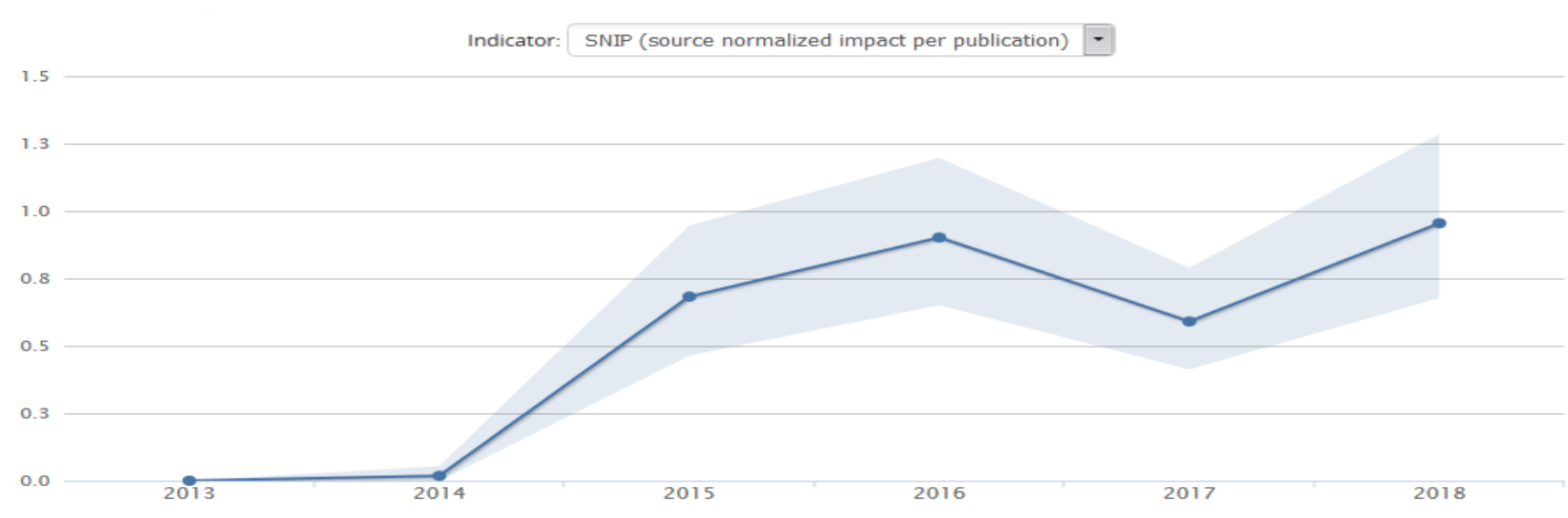
Source type: Journal

Publisher: National Academy of Sciences of Ukraine

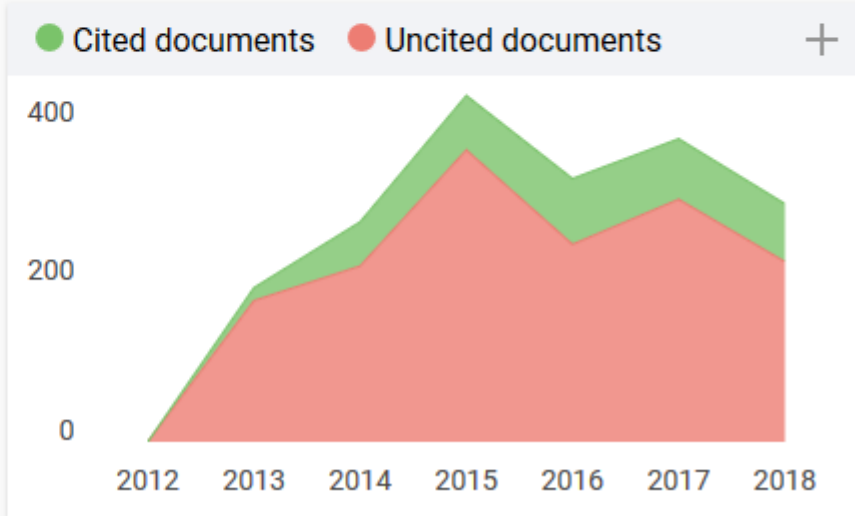
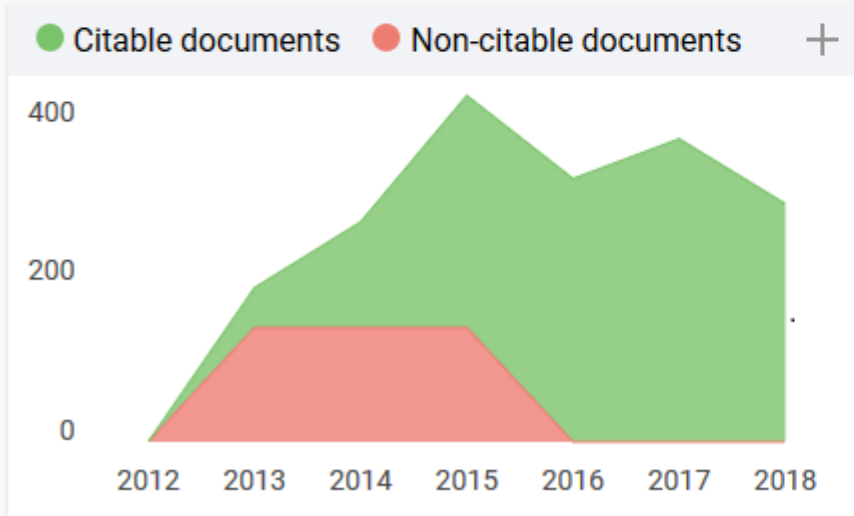
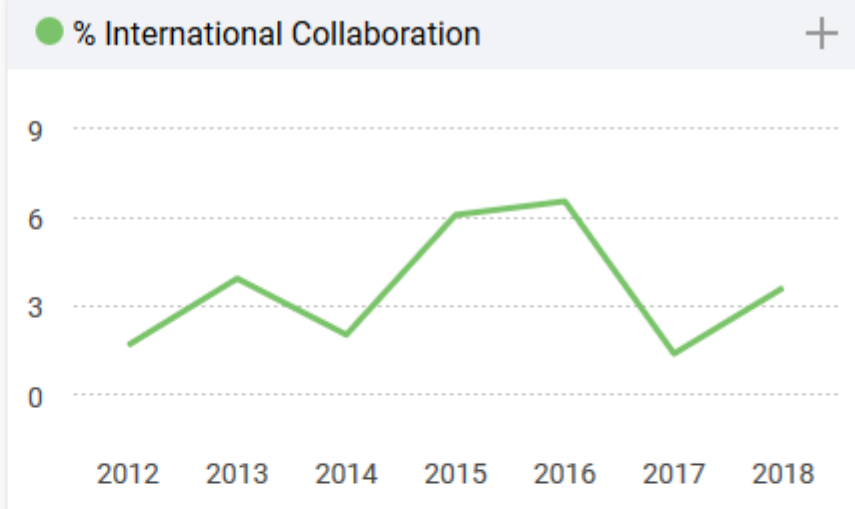
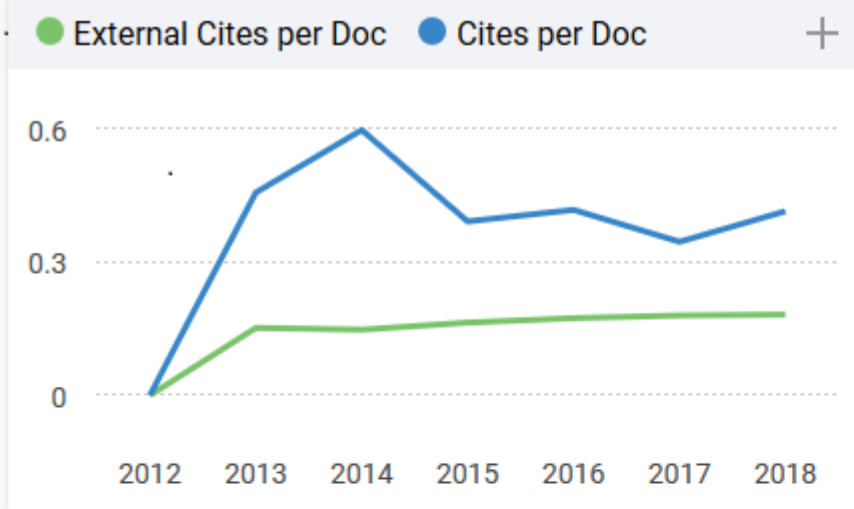
Areas: Energy Engineering and Power Technology , Electrical and Electronic Engineering

Print ISSN: 1607-7970

Electronic ISSN: 2218-1903



Year	P	IPP	SNIP	% self cit
2013	46	0.00	0.00	0.0%
2014	122	0.01	0.02	0.0%
2015	268	0.23	0.68	87.1%
2016	304	0.28	0.90	88.1%
2017	350	0.22	0.59	74.4%
2018	275	0.28	0.95	83.1%





# DOI (Digital Object Identifier) of Technical Electrodynamics journal

Issue DOI: <https://doi.org/10.15407/techned2020.02>



DOI is assigned by the [Crossref](#) – the only registration agency that **does not have regional restrictions** and does not favor specific regional languages. Since 2016, all scientific articles published in the **Technical Electrodynamics** journal have DOI.



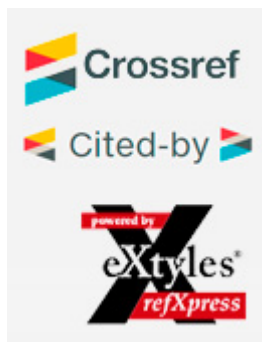
## How DOI works

DOI is the unique digital ID of the object associated with the links to the web pages where these objects are hosted.

DOI	URL
<a href="https://doi.org/10.15407/techned2020.02.003">https://doi.org/10.15407/techned2020.02.003</a>	<a href="http://techned.org.ua/eng/index.php?option=com_content&amp;view=article&amp;id=1432&amp;Itemid=77">http://techned.org.ua/eng/index.php?option=com_content&amp;view=article&amp;id=1432&amp;Itemid=77</a>

1. For each publication, the DOI remains the same.
2. If you change the URL of the object, the publisher should make changes to the CrossRef database.

**DOI is a technological necessity and attribute of any scientific publisher who works online and cares about their readers**



## CROSSREF CITED-BY LINKING

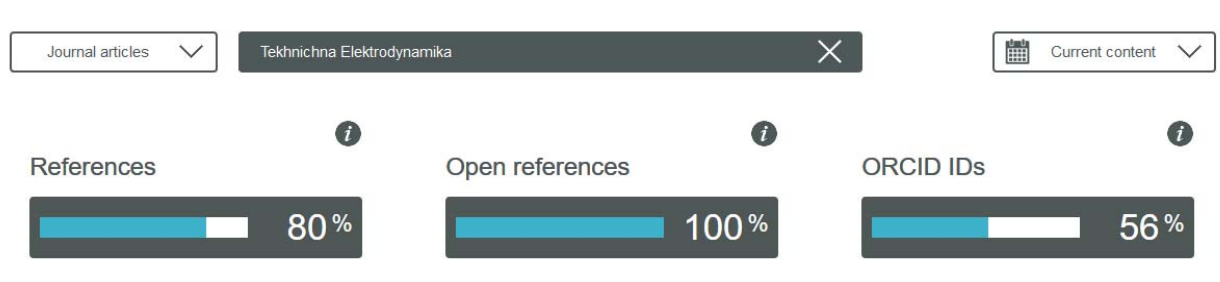
<https://www.crossref.org/services/sited-by>

CrossRef lets you use the free **Cited-by** service (quoted by someone).

**The publisher must sign up for this:**

- DOI for scientific publication on the agency's website CrossRef,
- literature references and set the status to *OPEN* for references.

All journal article references have *OPEN* status (section [Participation Report](#) from website CrossRef <https://www.crossref.org/members/prop/6225> ).



Participation in the Cited-by Program is encouraged by the Crossref and the Ministry of Education and Science of Ukraine.

Cited-by helps you know who cites works, displays counters, and references cited content. Publishers who are members of Cited-by help their readers and authors:

- easy to navigate to relevant research;
- to investigate links between articles.

## WHERE CAN I FIND OUT THE RESULTS?

The metadata from Crossref uses different databases. Once a publisher supported the Open Citations initiative and submitted its metadata to Crossref, other databases and resources can use that information, so **the publisher begins indexing across search engines without any additional effort on their part. You can check the indexing of your publications in these resources by yourself.**

### List of major search engines

**Crossref Metadata Search** is search interface from Crossref, allows you to search by name, author, DOI, ORCID, etc..

**Dimensions** is a platform from **Digital Science** that combines citation databases, search and analytics tools, and full text access. Dimensions retrieves data about publications and citations, including from publishers of metadata transmitted to Crossref.

**Lens.org** is an open platform that combines information on patents and scientific publications. The data for the resource Lens.org receives from Crossref, ORCID, Microsoft Academic, PubMed, Impactstory, WIPO etc. You can search in Lens.org, including in Ukrainian.

**1findr** is a scientific literature search engine from **1science**. About 95 million documents are now available for search through 1findr, and the free interface provides search in different languages for all metadata.

**Scilit** is a scientific literature search service started by a Chinese-Swiss publisher of open access MDPI. Resource data is used by developers from Crossref and PubMed.

**Open Ukrainian Citation Index (OUCI)** <http://uincit.uran.ua/> is open Ukrainian index of scientific citation, the development of which was started in 2018 by the State Scientific and Technical Library of Ukraine on behalf of the Board of the Ministry of Education and Science of Ukraine. The resource will index Ukrainian scientific publications that transmit metadata to Crossref for DOI and provide information on the number of citations.



## HOW DOES IT WORK?

### DIMENSIONS, COUNTING OF CITATIONS

The Dimensions platform is compatible with Crossref, enabling it to visualize the metadata contained in digital DOIs.

Articles with DOI are automatically uploaded to Dimensions.

To see the number of citations for a particular article, go to the Dimensions Badges web page (<https://badge.dimensions.ai/#build>) and fill out a table to indicate the DOI of the article.

In the center of the widget will be a figure - the number of citations.

Clicking on the widget button will bring you to a page with advanced stats and article information.



# ELECTROPHYSICAL UNSTEADY PROCESSES IN THE SYSTEM TO REDUCE RESIDUAL STRESSES WELDS

**Publication** Article in **Tekhnichna Elektrodynamika**

**Authors** L.M. Lobanov, I.P. Kondratenko, A.V. Zhyltsov, O.M. Karlov, M.O. Pashchyn, V.V. Vasyuk, V.A.... [\[ show more \]](#)

[↓ More details](#)

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Summary

Citations

Citing research categories

4  
CITATIONS

Dimensions has found a total of 4 citations of this research output. The most recent 3 are shown below. To view the rest you can visit its [publication page](#) on Dimensions.

[View in Dimensions](#)

## COMPARATIVE ANALYSIS OF CONSTRUCTIVE TYPES OF COMBINED LINEAR PULSE ELECTROMECHANICAL CONVERTERS

Article in **Tekhnichna Elektrodynamika**

**Authors:** V.F. Bolyukh, A.A. Kocherga, I.S. Shchukin

## Development of Post-weld Electrodynamic Treatment Using Electric Current Pulses for Control of Stress-Strain States and Improvement of Life of Welded Structures

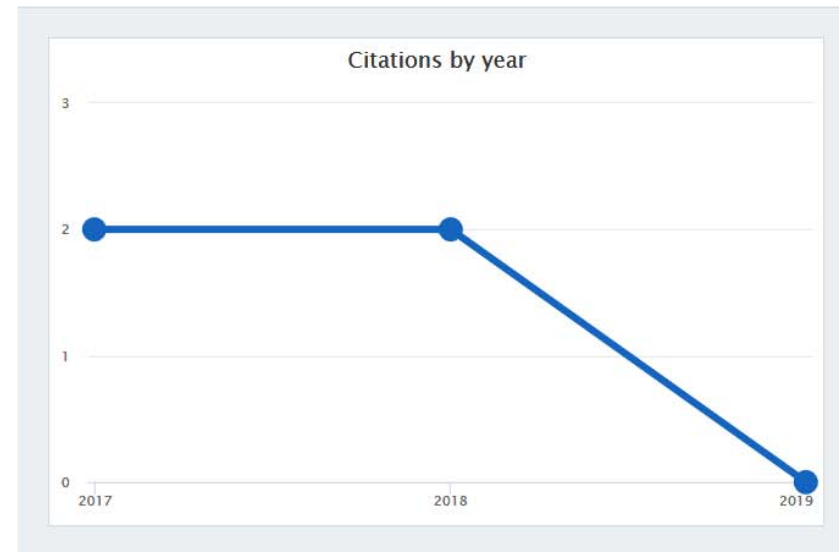
Article in **Materials Performance and Characterization**

**Authors:** Leonid M. Lobanov, Igor P. Kondratenko, Andriy V. Zhiltsov, Nikolai A. Pashchin, Olha L. Mikhodui

## Development of technology and equipment for reduction of residual stresses and straightening in welded structures applying electrodynamic treatment

Article in **The Paton Welding Journal**

**Authors:** L.M. Lobanov, N.A. Pashchin





## Інститут електродинаміки НАН України

Назва:	Інститут електродинаміки НАН України
Підпорядкування:	Національна академія наук України
Регіон:	Місто Київ
Тип:	академічний заклад

ПАСПОРТ

СПІВРОБІТНИКИ

АНАЛІТИКА

### Статистика

	ISI Web of Science	SciVerse Scopus	Наукова періодика України
Публікації	136	326	5
Всього цитувань	279	385	0
Індекс Гірша	10	11	0
Цитувань на статтю	2.05	1.18	0

Information is obtained from external scientometric sources:

- International Register of Scientists [ORCID](#);
- Scientometric platform [Web of Science](#)
- Scientometric platform [SciVerse Scopus](#).
- Research and publishing infrastructure [«Наукова періодика України»](#) (Scientific Periodicals of Ukraine).

## **CONCLUSIONS**

**What should be done to improve journal indicators?**

- 1. Joint efforts of editors, authors, reviewers and all staff of the Institute, who are not indifferent to the problems of the journal.**
- 2. It is necessary to present the results of studies in foreign rating publications and to refer to them in the articles of the Technical Electrodynamics journal.**
- 3. Promote articles by updating profiles in ORCID, ResearchID, Google Scholar.**
- 4. To publish articles in English.**
- 5. To increase the number of articles prepared jointly with foreign scientists.**
- 6. There has to be careful quality reviewing.**
- 7. Substantial support of the journal web-site by the Publisher - Institute of Electrodynamics of NAS of Ukraine.**