

Web of Science Core Collection: Structure and Journal Selection Criteria

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Kyiv

EUGENE GARFIELD

1960

*Institute for Scientific
Information (ISI)*

1964

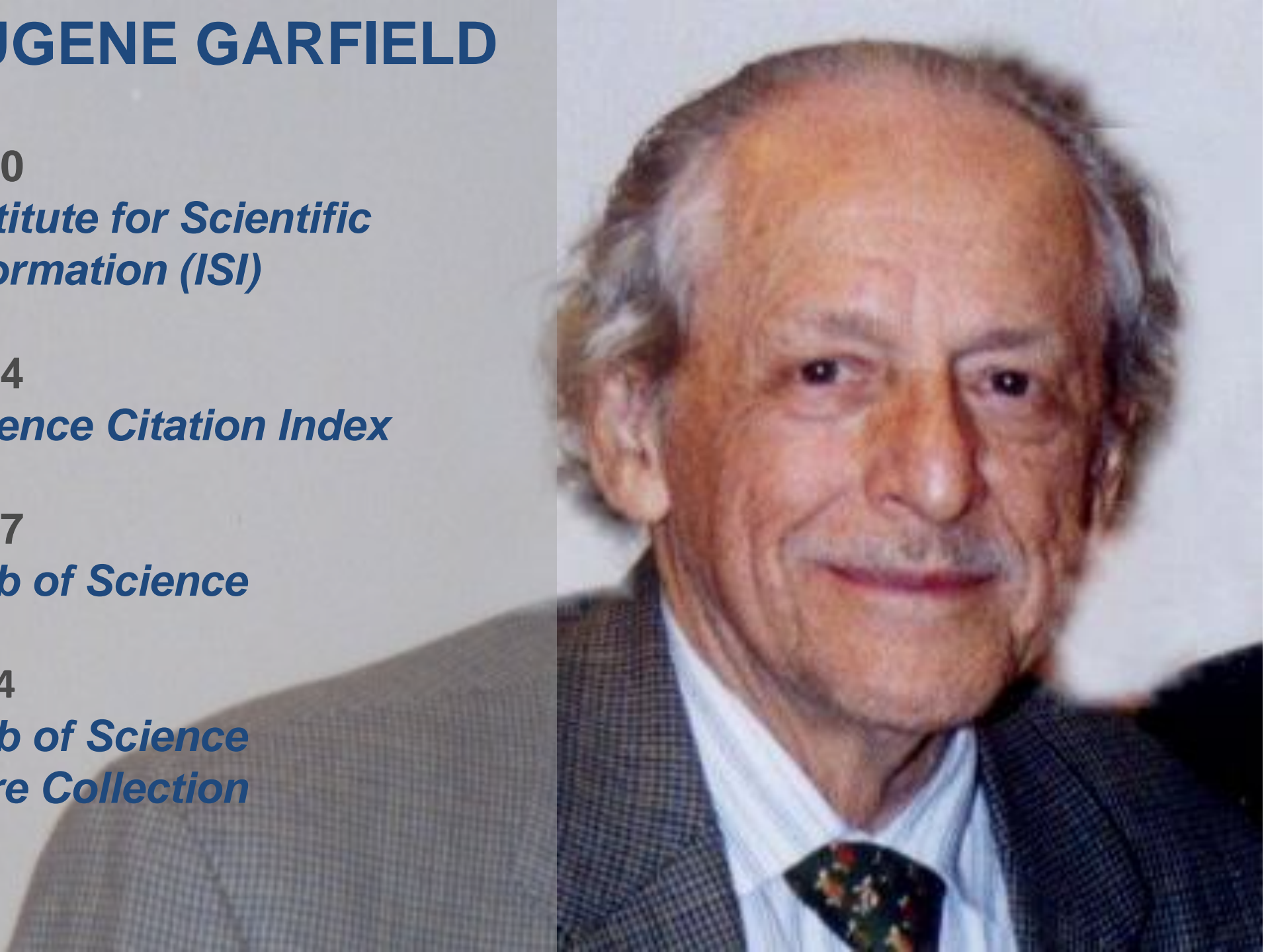
Science Citation Index

1997

Web of Science

2014

*Web of Science
Core Collection*



The *Web of Science Core Collection*

We remain true to our heritage, but adapt to change

- Guided by the legacy of Dr Eugene Garfield
- Adapted to respond to technological advances and changes in the publishing landscape
- Our robust evaluation and curation make the *Web of Science Core Collection* the most authoritative global citation database.
- The basic principles of our selection process remain the same: objectivity, selectivity and collection dynamics.

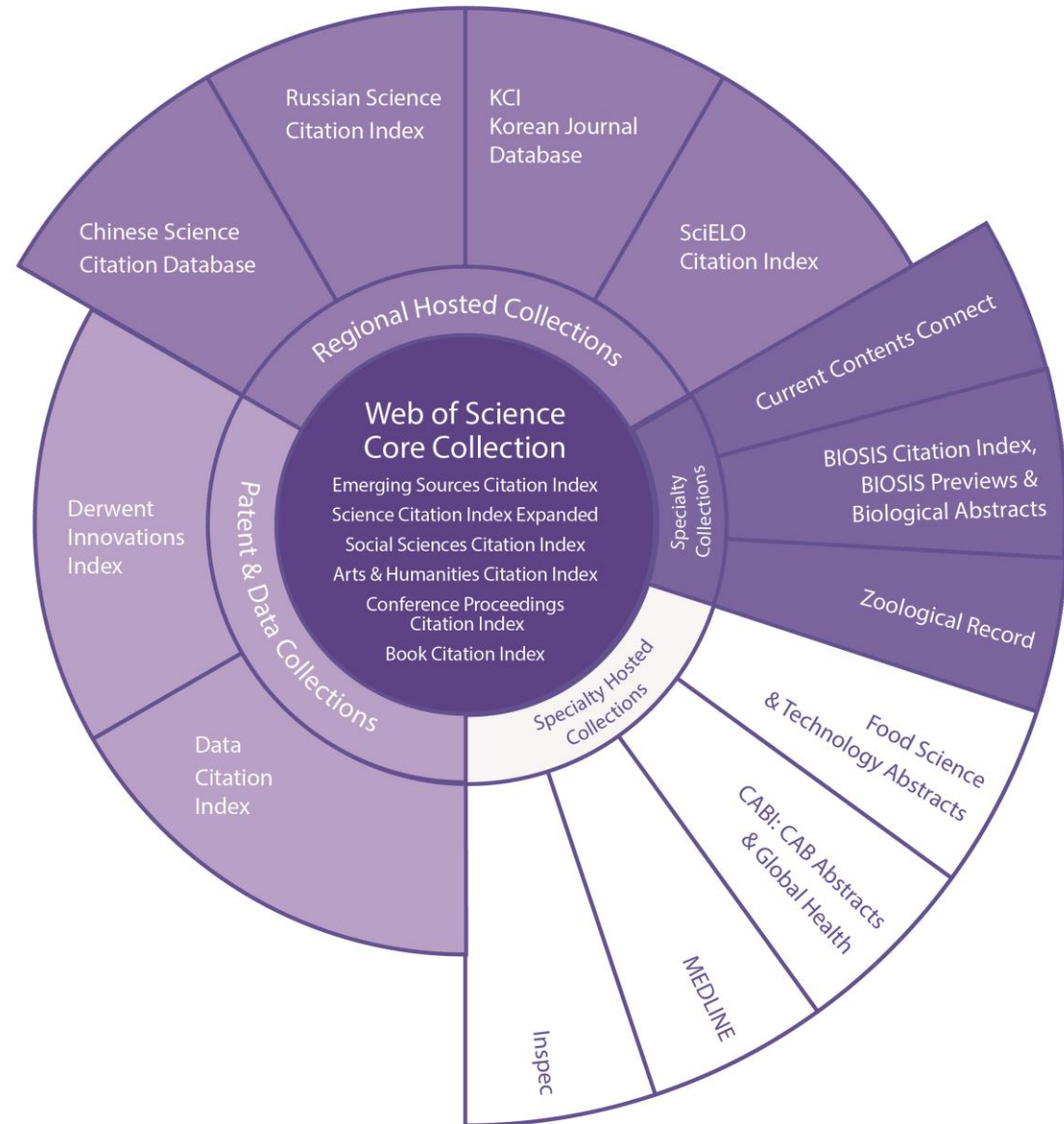
The *Web of Science Core Collection*

Our process of curation is unique

- Our editorial decisions are conducted by our expert in-house editors.
- They have no affiliations to publishing houses or research institutes
- No potential bias or conflict of interest.
- Each editor is focused on specific subject categories
- Deep nuanced knowledge of the journals in their field
- This cannot be replicated by competitors who rely on algorithmic approaches and/or delegating aspects of editorial decision-making to the research community.

The Web of Science Core Collection

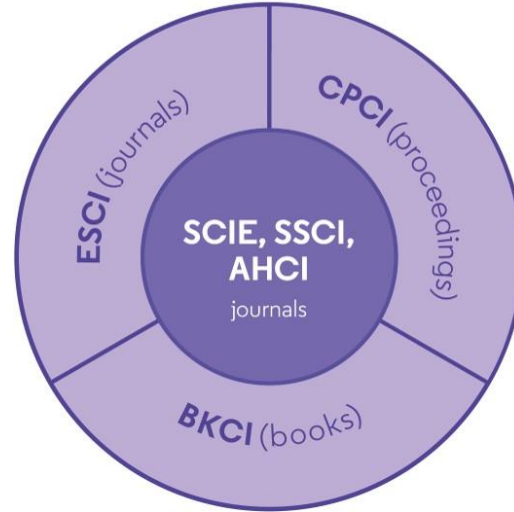
At the heart of the Web of Science platform



The *Web of Science Core Collection*

Options to save you valuable search time

Web of Science Core Collection



Allows search and discovery of a **trusted set** of titles with **comprehensive coverage** in terms of subject, region, and medium.

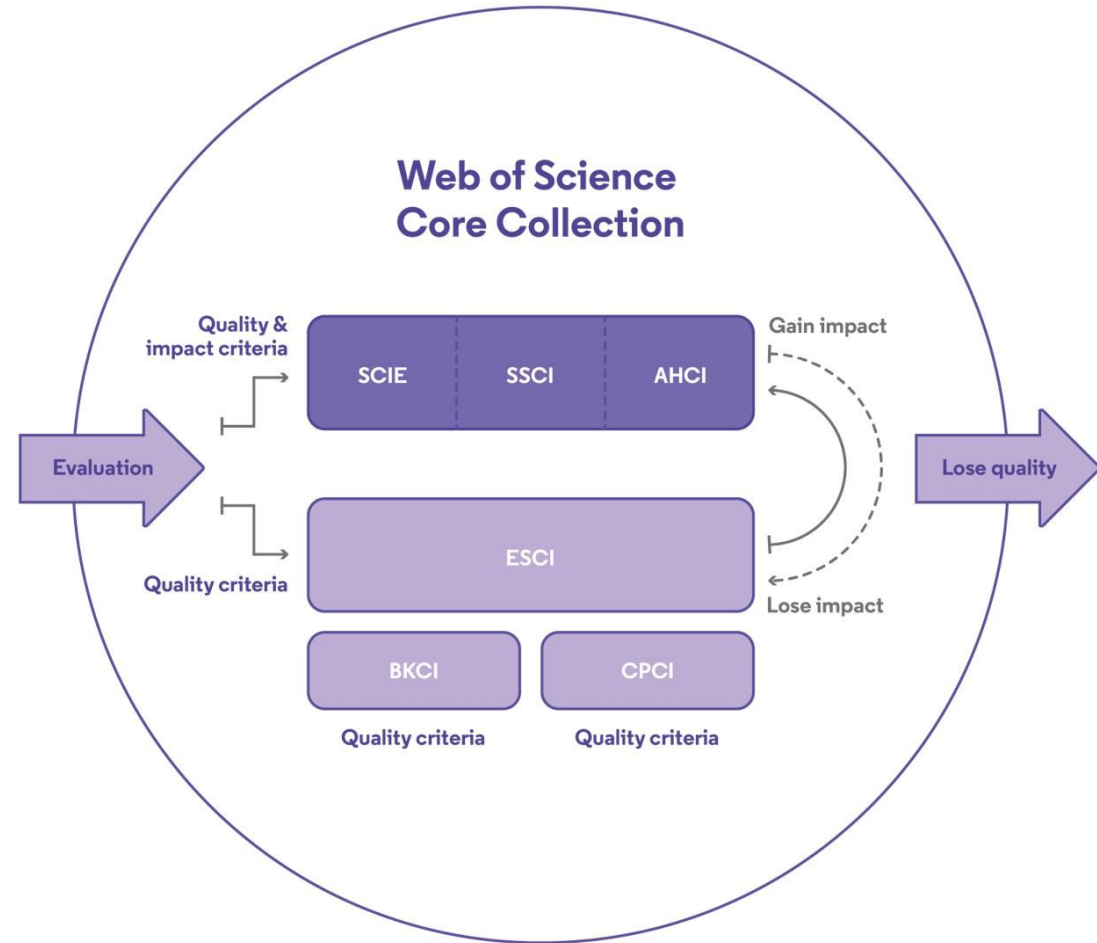
SCIE, SSCI, AHCI



Contain the most **impactful journals** enabling searches to be restricted to the most influential publications

The Web of Science Core Collection

A trusted, high quality collection of journals, books and conference proceedings



Journals

SCIE: clinical, natural and applied sciences

SSCI: social sciences

AHCI: arts & humanities

ESCI: all disciplines

Books

BKCI: all disciplines

Conference Proceedings

CPCI: all disciplines

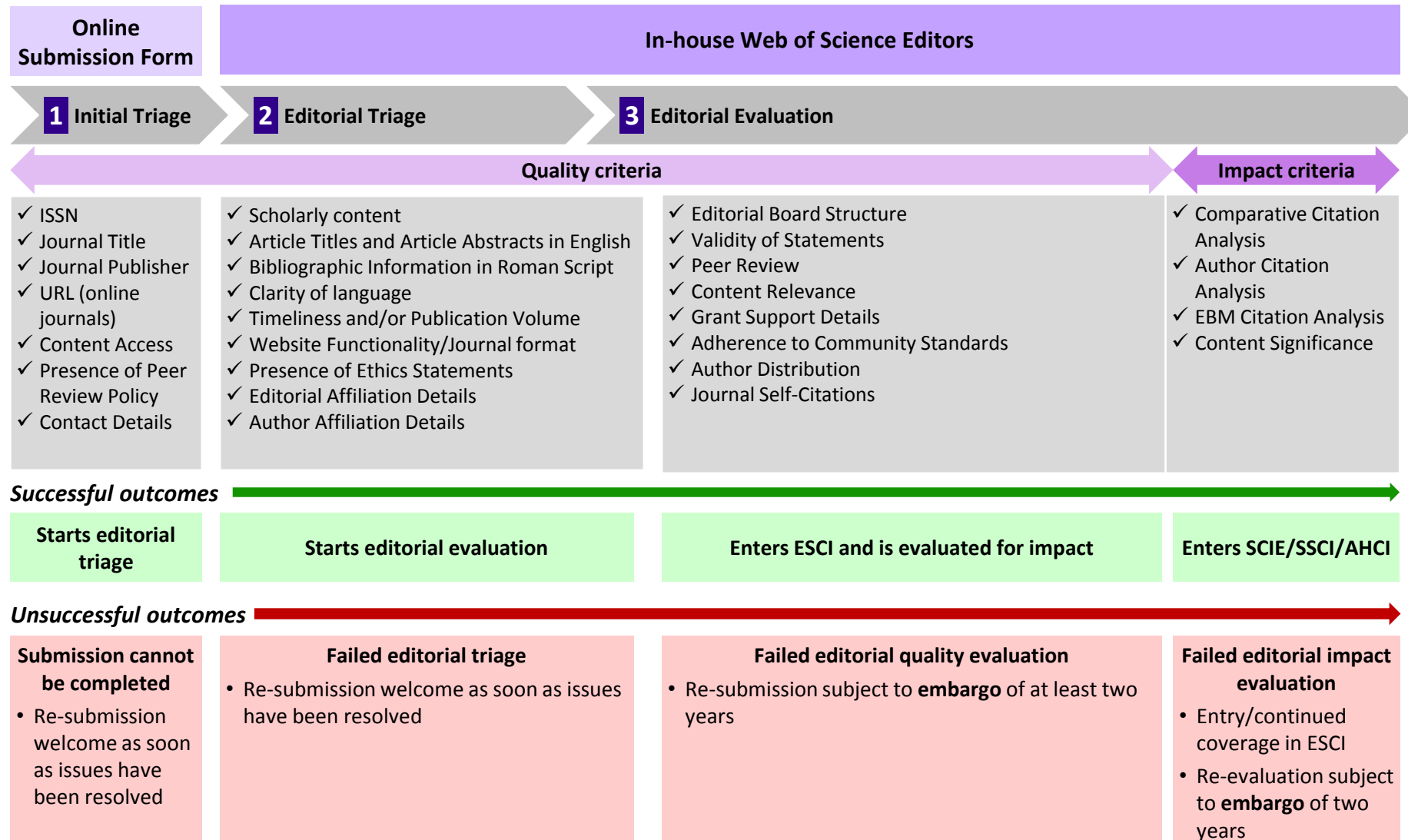
The *Web of Science Core Collection*

Curated with care by an expert team of in-house Web of Science Editors

- We use a single set of 28 criteria to evaluate journals
- These are divided into:
 - 24 *quality criteria* designed to select for editorial rigour and best practice at the journal level
 - 4 *impact criteria* designed to select the most influential journals in their respective fields using citation activity as a primary indicator of impact.
- Journals that meet the quality criteria enter ESCI in the *Web of Science Core Collection*. Journals that meet the additional impact criteria enter SCIE, SSCI or AHCI depending on their subject area.
- These are dynamic collections subject to continuous curation to ensure journals are in the appropriate collection.
- ESCI journals that gain impact move to SCIE, SSCI or AHCI.
- SCIE, SSCI and AHCI journals that decrease in impact move to ESCI.
- Any journal that decreases in quality will be removed from the *Web of Science Core Collection*.

The Web of Science Core Collection

Improving speed and transparency through an updated journal evaluation process



Initial Triage

Initial triage is performed using information provided by the publisher.

The principal purpose of this triage step is:

- To ensure unambiguous identification of the journal submitted for evaluation
- To ensure we have full text access to content
- To have knowledge of the journal's peer review policy
- To know who to contact if we have any queries or concerns

If the necessary information is not provided, the Web of Science Editors cannot proceed with the evaluation.

There is no embargo period for re-submission if a journal does not pass initial triage.

Editorial Triage

In this step, the Web of Science Editors review the journal to determine whether a full editorial evaluation is merited.

Journal characteristics subject to evaluation include:

- Whether the journal contains a substantial amount of scholarly content
- Whether English language/Roman script requirements are met
- Whether articles are written in a clear, comprehensible way
- Whether journals publish a volume of content that demonstrates interest to the intended research community
- The presence of editorial and author affiliation details to allow their correct identification

There is no embargo period for re-submission if a journal does not pass editorial triage.

Editorial Evaluation (Quality)

In this step, the Web of Science Editors are checking for alignment between the journal's title, stated scope, the composition of its editorial board and its published content. They are also looking for evidence of editorial rigour and adherence to community standards.

Journal characteristics subject to evaluation include:

- Whether the size and expertise of the editorial board is appropriate to the volume and breadth of published content
- Whether the published content is consistent with the journal's title and stated scope
- Whether there is evidence of robust peer review
- Whether authors demonstrate characteristics that validate their participation in the relevant scholarly community
- Whether journal self-citation rates are within ranges appropriate to the relevant categories

If a journal does not pass this step, re-submission is subject to an embargo period of at least two years.

Editorial Evaluation (Impact)

The criteria in this step are designed to select for the most impactful journals in a given field of research, using citation activity as a primary indicator of impact.

Citation analysis is conducted at:

- Journal level
- Author level
- Editorial Board level

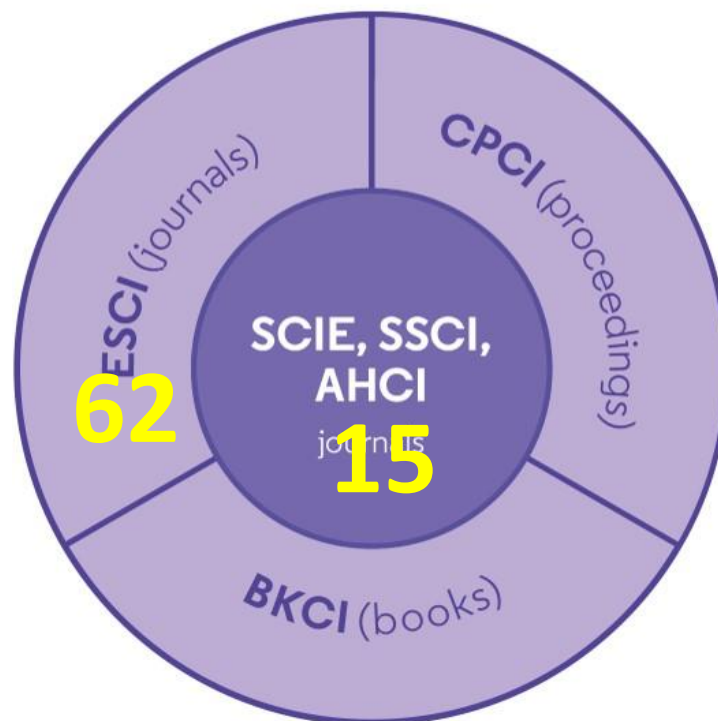
There is an additional factor that is taken into consideration:

- The content in the journal should be of interest, importance and value to its intended readership and to Web of Science subscribers.
- **Content significance** may be evidenced as a unique specialisation, a novel perspective, regional focus or unusual content that enriches the breadth of Web of Science coverage. These attributes are not exclusively reflected in journal-level citation activity.

If a journal does not pass this step, re-evaluation is subject to an embargo period of at least two years.

Ukrainian scholarly journals in the *Web of Science Core Collection*

Web of Science Core Collection



- 15 journals in the flagship indices (WOS3, with impact-factors)
- 62 journals in ESCI

Ukraine publications, 2015-2019, WOS3 (SCIE, SSCI, A&HCI)

Field: Web of Science Categories	Record Count	% of 23,130
MATERIALS SCIENCE MULTIDISCIPLINARY	3,221	13.926 %
PHYSICS APPLIED	2,405	10.398 %
CHEMISTRY PHYSICAL	1,654	7.151 %
PHYSICS CONDENSED MATTER	1,461	6.316 %
ASTRONOMY ASTROPHYSICS	1,220	5.275 %
CHEMISTRY MULTIDISCIPLINARY	1,158	5.006 %
PHYSICS PARTICLES FIELDS	1,122	4.851 %
MATHEMATICS	1,032	4.462 %
MATHEMATICS APPLIED	904	3.908 %
PHYSICS MULTIDISCIPLINARY	834	3.606 %

Ukraine publications, 2015-2019, ESCI

Field: Web of Science Categories	Record Count	% of 18,477
EDUCATION EDUCATIONAL RESEARCH	1,625	8.795 %
ECONOMICS	1,361	7.366 %
PHYSICS NUCLEAR	1,052	5.694 %
MEDICINE RESEARCH EXPERIMENTAL	976	5.282 %
HUMANITIES MULTIDISCIPLINARY	796	4.308 %
MEDICINE GENERAL INTERNAL	774	4.189 %
PHYSICS MULTIDISCIPLINARY	755	4.086 %
ENGINEERING ELECTRICAL ELECTRONIC	554	2.998 %
HISTORY	492	2.663 %
BUSINESS FINANCE	490	2.652 %

Ukrainian journals in the Web of Science Core Collection: example

Condensed Matter Physics

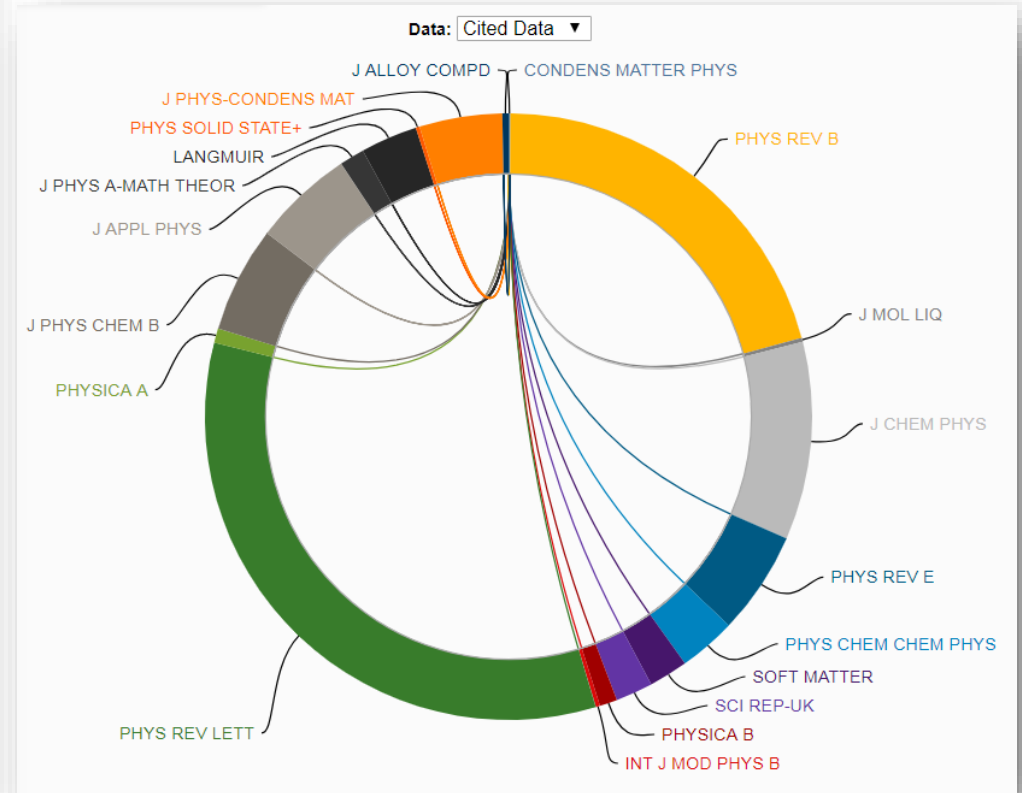
ISSN: 1607-324X

INST CONDENSED MATTER PHYSICS NATL ACAD SCIENCES UKRAINE
1 SVIENTSITSKII STR, LVIV 79011, UKRAINE
UKRAINE

$$\text{2017 Journal Impact Factor} = \frac{115}{105} = 1.095$$

Contributions by country/region

country	count
1. Ukraine	77
2. USA	23
3. France	21
4. Poland	17
5. Mexico	11
6. CHINA MAINLAND	10
- GERMANY (FED REP GER)	10
- England	10
9. Canada	5
- Hungary	5
- Czech Republic	5



Navigating research information explosion



Information ≠ Knowledge

Beware: Predatory Journals

International Journal for Innovative Research in Science & Technology ?

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High Impact Factor : 4.371 **NEW!** | Submit Manuscript Onli



IJIRST...

- Registered ISSN
- Good team of Reviewers
- Indexed in global repositories
- Supports "Go Green"
- Promotes Research

HIGH IMPACT FACTOR ?

4.371(Year-2016) **NEW!**

I. C. VALUE ?

71.12 **NEW!**

BROWSE CATEGORIES

For Authors

Дякую за увагу!

Valentin Bogorov

Customer Education Team Leader