

THE NEW INCITES
JOURNAL AND HIGHLY CITED DATA:
Journal Citation Reports (JCR)

Massimiliano Carloni
Strategic Business Manager

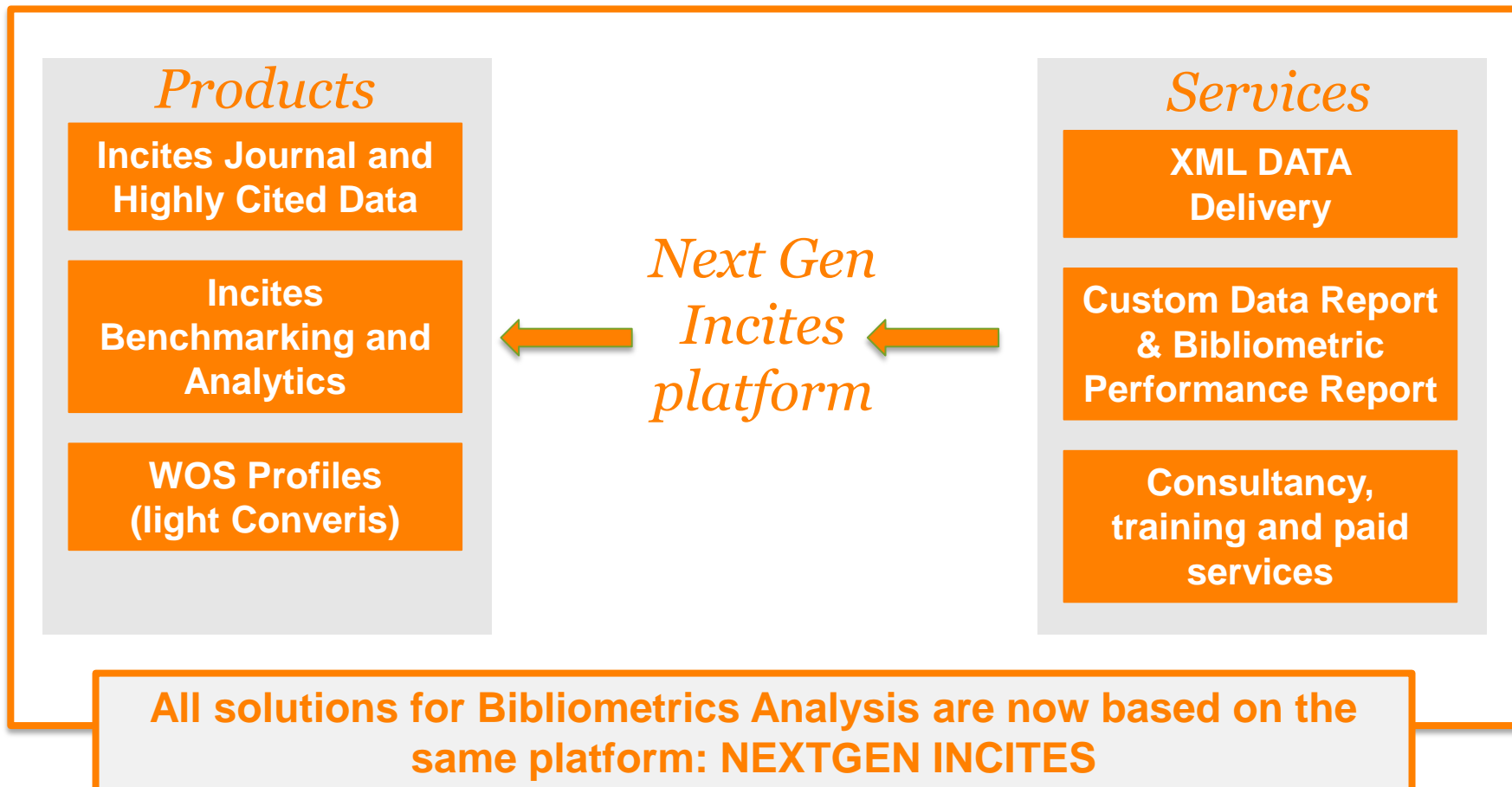
Workshop Bibliosan, Rome 3rd December, 2014



THOMSON REUTERS



The New Incites Products & Services



The New JCR

2014 final update (28th October)

247 NEW
JOURNALS
ADDED



82 COUNTRIES

11,022*
JOURNALS
IN 237
DISCIPLINES

- **11,619 journals** on JCR listing
 - 597 covered in both editions (11,619 on JCR listing)
- **232 disciplines** on JCR listing
- **39 journals suppressed** (one year but still in WoS)
 - Suppression analysis conducted on current year data (2013). Journals are suppressed for **citation stacking** and/or **self citation**

The New JCR

2014 final update (28th October)

HIGHEST JOURNAL IMPACT FACTOR

CA: A Cancer Journal for Clinicians:
162.50



PSYCHOLOGY, PSYCHOANALYSIS

Category with highest % increase



HIGHEST OA IMPACT FACTOR:

Living Reviews in Relativity: **16.526**



CIVIL ENGINEERING

Category with the most new Impact Factors: **13**



MOST PUBLISHED ITEMS

PLoS One: **31,496**



TOTAL CITATIONS

Nature, PNAS, Science:
>500K



The New JCR

We have been hearing you



The New JCR

Designing it keeping in mind your voices

“The solution looks old-fashioned and outdated”

Modern look and feel, consistent with Web of Science redesign
("family" SSR navigation and Brand awareness/consistency)

The New JCR

Modern look and feel

The screenshot displays the Thomson Reuters InCites Journal Citation Reports interface. The top navigation bar includes links for Web of Science, InCites, Journal Citation Reports, Essential Science Indicators, and EndNote, along with a user profile and language options. The main header features the InCites logo and the Thomson Reuters logo. The interface is divided into several sections:

- Left Sidebar:** Contains navigation options such as "Go to Journal Profile", "Master Search", "Compare Journals", "View Title Changes", "Select Journals", "Select Categories", "Select JCR Year" (set to 2013), "Select Edition" (with checkboxes for SCIE and SSCI), "Category Schema" (set to Web of Science), "JIF Quartile", and "Select Publisher".
- Main Content Area:** Features a "Journals By Rank" tab and a "Categories By Rank" tab. The "Journals By Rank" section displays a network visualization of journal titles ranked by Impact Factor. The network includes nodes for journals like NAT MED, PHYSIOL REV, NAT MATER, CHEM SOC REV, NAT REV GENET, NAT REV MOL CELL BIO, LANCET, NAT REV IMMUNOL, CHEM REV, SCIENCE, NAT REV DRUG DISCOV, NAT REV NEUROSCI, NAT PHOTONICS, and CA-CANCER J CLIN.
- Table:** A table below the network visualization lists the top journals ranked by Impact Factor.

	Full Journal Title	JCR Abbreviated Title	ISSN	Total Cites	Impact Factor
1	CA-A CANCER JOURNAL FOR CLINICIANS	CA-CANCER J CLIN	0007-9235	16,130	162.500
2	NEW ENGLAND JOURNAL OF MEDICINE	NEW ENGL J MED	0028-4793	257,469	54.420

Bringing all analytics into one single environment (Next Gen Incites).

The New JCR

Designing it keeping in mind your voices

“JCR / Web of Science integration is not exactly successful”



View from Mount Scopus

Integration with Web of Science Core Collections both behind the scenes and through the user interface



The New JCR

Integration with Web of Science

The screenshot displays the Web of Science interface with a modal window open for the journal 'INTERNATIONAL JOURNAL OF PHYTOREMEDIATION'. The modal window provides the following information:

- Impact Factor:** 1.179 (2012) and 1.513 (5 year)
- JCR Category:** ENVIRONMENTAL SCIENCES
- Rank in Category:** 141 of 210
- Quartile in Category:** Q3
- Publisher:** TAYLOR & FRANCIS INC, 520 CHESTNUT STREET, STE 850, PHILADELPHIA, PA 19106 USA
- ISSN:** 1522-6514
- eISSN:** 1549-7879
- Research Domain:** Environmental Sciences & Ecology

Below the modal window, the journal's citation index scores are shown:

- 0 in Data Citation Index
- 0 in SciELO Citation Index

The background interface shows a search result for the article 'BIOREMEDIATION OF AN IRON-RICH MINE EFFLUENT USING LEMNA MINOR' by Teixeira, S. et al. The article title and authors are partially visible. A mouse cursor is pointing at the 'View Journal Information' link.

The New JCR

Designing it keeping in mind your voices

“the way we are obliged to use JCR is quite frustrating”



Easy to analyze across editions and years (historical data). All JCR years are presented together for trend analysis



The New JCR

All data presented together

The image displays a user interface for the JCR (Journal Citation Reports) filter panel. It features three main sections:

- Select JCR Year:** A vertical list of years from 1999 to 2013, with 2013 highlighted in orange.
- Select Category:** A list of academic categories including ACOUSTICS, AGRICULTURAL ECONOMICS & POLICY, AGRICULTURAL ENGINEERING, AGRICULTURE, DAIRY & ANIMAL SCIENCE, AGRICULTURE, MULTIDISCIPLINARY, AGRONOMY, ALLERGY, ANATOMY & MORPHOLOGY, and ANDROLOGY.
- Select Edition:** Two checkboxes, both checked: SCIE and SSCI.

In the background, a network diagram is visible, showing interconnected nodes representing various fields such as ENVIRONMENTAL & OCCUPATIONAL HEALTH, ECONOMICS, EDUCATION & EDUCATIONAL RESEARCH, T SCIENCES, ELECTRONIC, ONCOLOGY, ZOOLOGY, BIOCHEMISTRY & MOLECULAR BIC, CLINICAL NEUROLOGY, APPLIED MICROBIOLOGY, GEOSCIENCES, MULTIDISCIPLINARY, SCIENCE, MULTIDISCIPLINARY, MATHEMATICS, APPLIED, and HEREDITY PHARMACY.

New filter panel allowing seamless transition between categories, journals, years, and editions

The New JCR

Designing it keeping in mind your voices

“Exporting data tables is a bit complicated”



Easy export: reports and tables can be exported in different formats in any pages

The New JCR

Easy export from everywhere

Home

Go to Journal Profile

Master Search

Select Journals

Select Categories

Select JCR Year

2013

Select Edition

SCIE SSCI

Clear Submit

Journals By Rank Categories By Rank

All Journal Categories

1 - 25 of 232

1 ECONOMICS

2 MATHEMATICS

3 BIOCHEMISTRY & BIOLOGY

4 PHARMACOLOGY & PHARMACY

5 NEUROSCIENCE

6 MATERIALS SCIENCE MULTIDISCIPLINARY

6 MATHEMATICS

8 ENGINEERING ELECTRONICS

9 EDUCATION & RESEARCH

10 ENVIRONMENTAL SCIENCE

11 SURGERY

InCites™ Journal Citation Reports®

THOMSON REUTERS™

Home Journal Rankings Journal Profile

BMJ-British Medical Journal

ISSN: 1756-1833

BMJ PUBLISHING GROUP
BRITISH MED ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND
ENGLAND

Go to Journal Table of Contents Go to Ulrich's

Select download format

PDF

CSV

XLS

Languages

ENGLISH

12 Issues/Year

Key Indicators

Year	Total Cites Graph	Journal Impact Factor Graph	Impact Factor Without Journal Self Cites Graph	5 Year Impact Factor Graph	Immediacy Index Graph	Citable Items Graph	Cited Half-Life Graph	Citing Half-Life Graph	Eigenfactor Score Graph	Article Influence Score Graph
2013	85,434	16.378	14.851	16.122	9.845	277	>10.0	4.5	0.15994	6.274

The New JCR

Designing it keeping in mind your voices

“Getting the JCR metrics file is never easy...as Moreno knows”



JCR metrics file available at a distance of a click for eligible users
(under license)

The New JCR

Metrics file downloadable



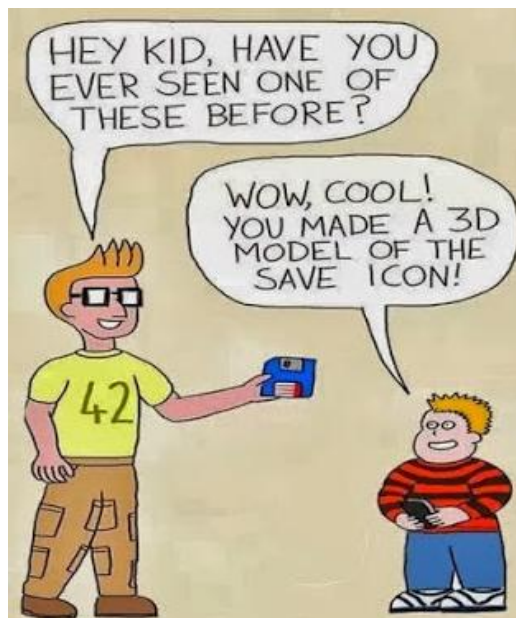
Info available

Rank, Full Journal Title, JCR Abbreviated Title, ISSN, Total Cites, Impact Factor without Journal Self Cites, Journal Impact Factor, 5 Year Impact Factor, Immediacy Index, Citable items, Cited Half-Life, Citing Half-Life, Eigenfactor Score, Article Influence Score

The New JCR

Designing it keeping in mind your voices

“I cannot save or personalize anything !”



Personalization: ability to save marked list (signed-in users)



The New JCR

Marked lists are permanent

The screenshot displays the nCites interface with the Thomson Reuters logo. A red box highlights a plus icon and a double-headed arrow icon in the top right corner. Below this, a table titled 'My Saved Custom Report Selections' lists various reports. A 'Customize Indicators' dialog box is open, showing a list of journals and a selection of indicators to be included in the report.

Name	Dataset
<input type="checkbox"/> bibliosan	JCR Journals
<input type="checkbox"/> confronto Immunology	JCR Quartile Comparison
<input type="checkbox"/> my selection	JCR Journals
<input type="checkbox"/> TEST ESI	ESI InSubscription
<input type="checkbox"/> Top 3	JCR Quartile Comparison
<input type="checkbox"/> ToP 5	JCR Journals

Rank	Journal Title	Journal Abbreviation	ISSN	Total Cites	Impact Factor
1	CA-A CA CLINICAL ONCOLOGY	CA CLIN ONCOL	1539-3755	18,124	2.500
2	NEW ENGLAND JOURNAL OF MEDICINE	NEW ENGL J MED	0027-3333	14,420	4.420
3	CHEMICAL ABSTRACTS	CHEM ABSTR	0009-104X	5,661	5.661
4	REVIEW OF PHYSICAL CHEMISTRY	REV PHYS CHEM	0034-6825	2,860	2.860
5	NATURE	NATURE	0028-0836	2,351	2.351
6	Annual Review of Cell and Developmental Biology	ANNU REV CELL DEV BIOL	1082-9094	1,392	1.392
7	NATURE REVIEWS CANCER	NAT REV CANCER	1474-7480	9,794	9.794
8	LANCET	LANCET	0140-6736	9,207	9.207
9	NATURE BIOTECHNOLOGY	NAT BIOTECHNOL	1087-785X	9,080	9.080
10	NATURE REVIEWS CANCER	NAT REV CANCER	1474-7480	7,912	7.912
11	NATURE REVIEWS DRUG DISCOVERY	NAT REV DRUG DISCOV	1474-7115	7,231	7.231
12	NATURE REVIEWS MOLECULAR CELL BIOLOGY	NAT REV MOL CELL BIO	1471-0072	34,124	36.458

Customize Indicators

- JCR Abbreviated Title
- Total Cites
- Journal Impact Factor
- Impact Factor without Journal Self Cites
- 5 Year Impact Factor
- Immediacy Index
- Citable Items
- Cited Half-Life
- Citing Half-Life
- Eigenfactor Score
- Article Influence Score
- ISSN

Save

The New JCR

Designing it keeping in mind your voices

“we need more reports and angle of views (???)”



Article
Influence
Score



Impact Factor



Category
Rank



Five-year
Impact Factor



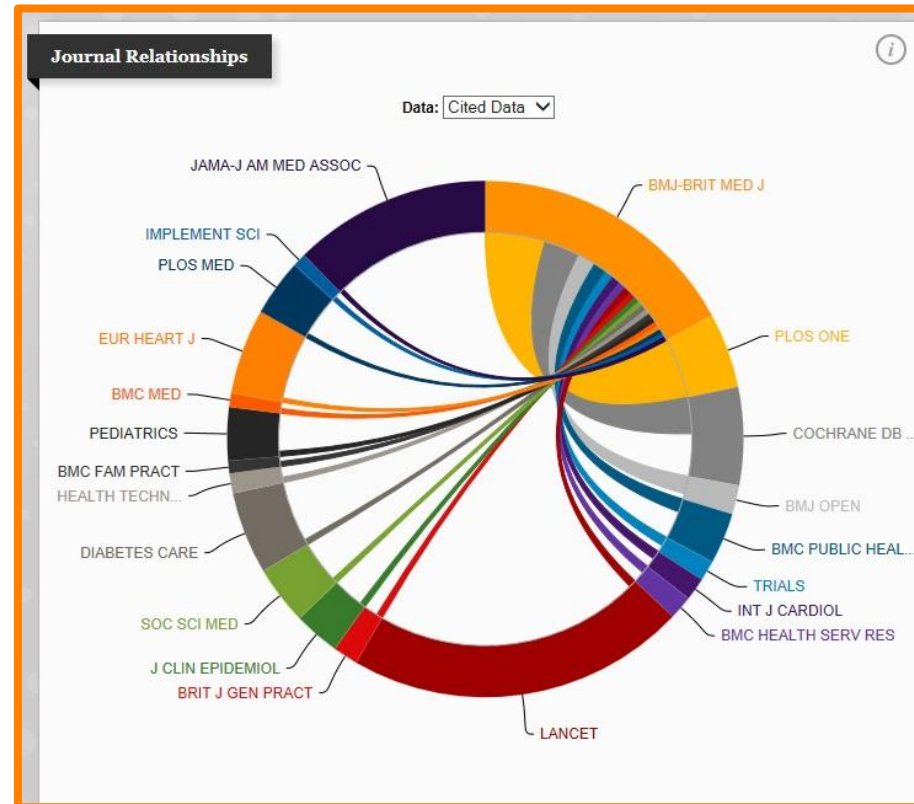
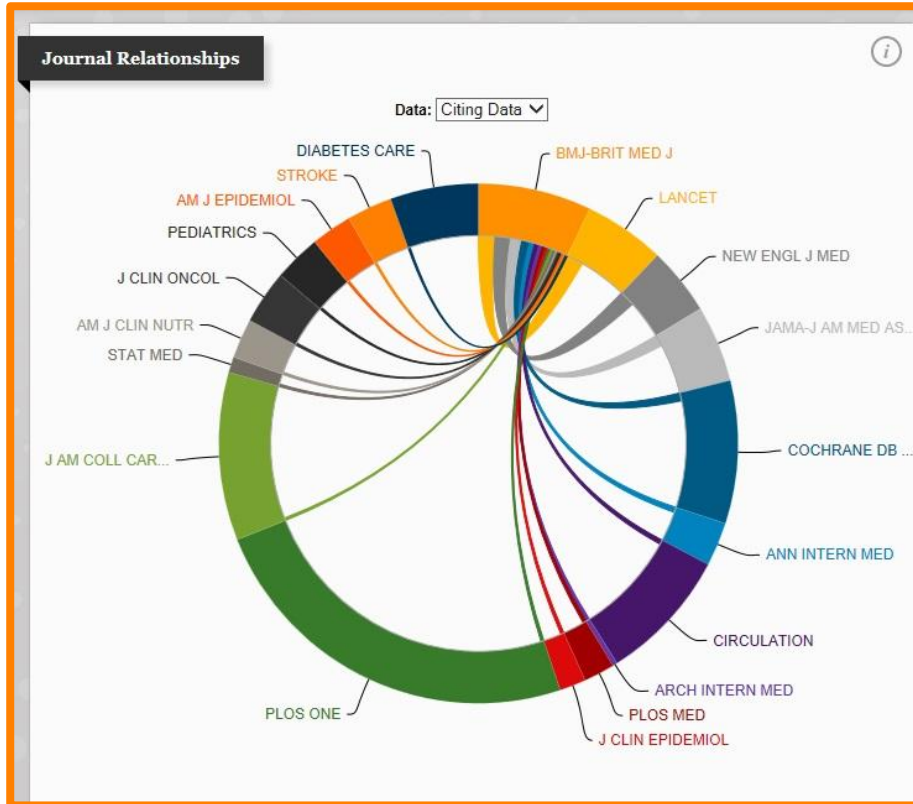
Eigenfactor
Score

New metric: **Journal Relationships Management** data



The New JCR

Journal Relationships Management



The New JCR

Designing it keeping in mind your voices

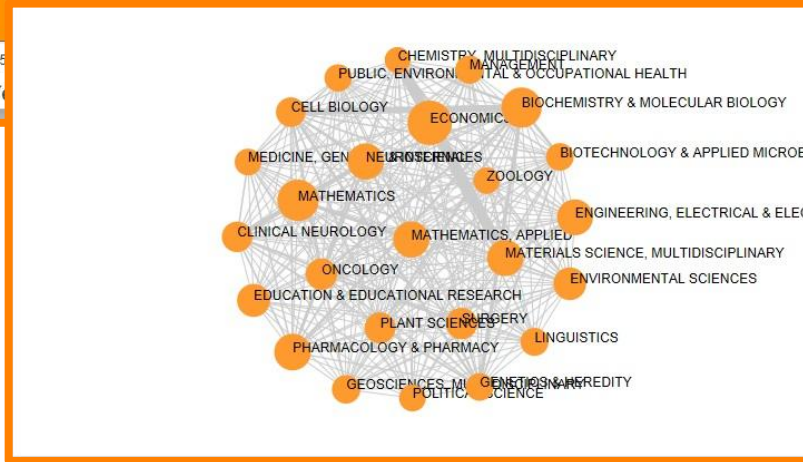
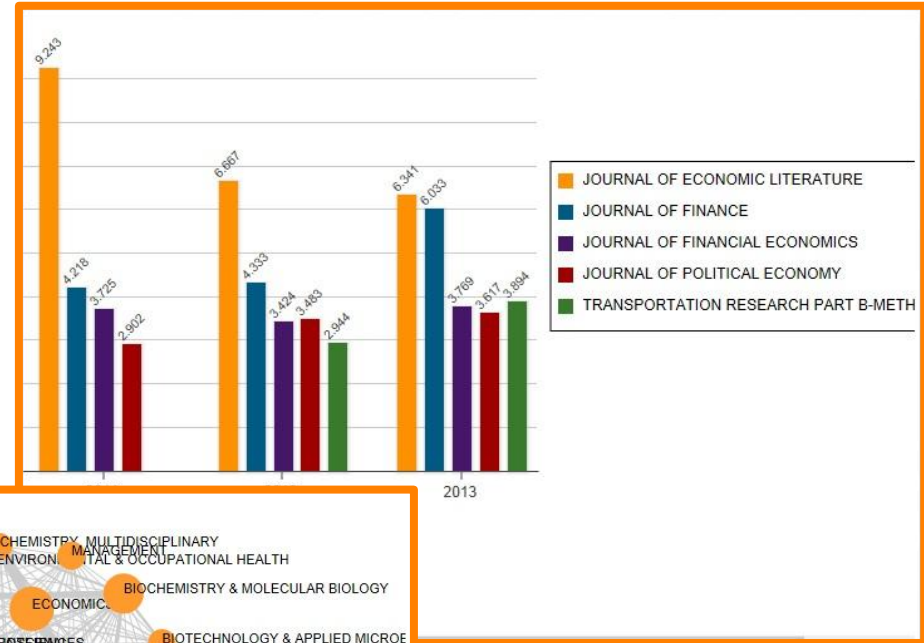
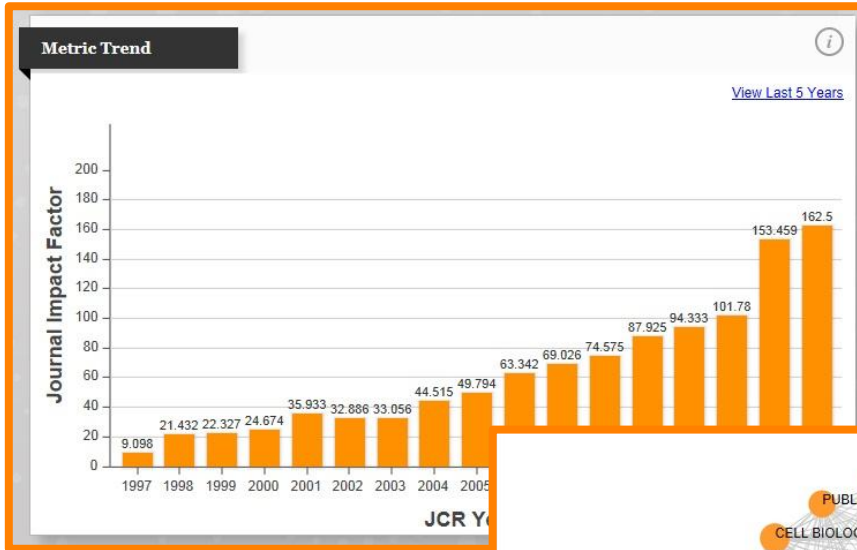
“the view functionalities are very basic”



Expanded visualization: graphs and journal comparisons (directly in the product)

The New JCR

Expanded graphical views



The New JCR

a solution for your researchers

The screenshot displays the Thomson Reuters JCR interface. On the left, a sidebar contains various filters: 'View Title Changes' (with a red warning icon), 'Select Journals', 'Select Categories', 'Select JCR Year' (set to 2013), 'Select Edition' (with checkboxes for SCIE and SSCI), 'Category Schema' (set to Web of Science), 'JIF Quartile', 'Select Publisher', 'Select Country/Territory', and 'Impact Factor Range'. The main area shows a network graph of journals at the top and a table titled 'Compare Selected Journals' below. A hand cursor is pointing at the table. A 'Compare Journals' dialog box is open, showing a search bar and a list of journals: CA-A CANCER JOURNAL FOR CLINICIANS, NEW ENGLAND JOURNAL OF MEDICINE, CHEMICAL REVIEWS, REVIEWS OF MODERN PHYSICS, and NATURE. The dialog also includes sections for '1. Select Comparison' (Quartile selected), '2. Select Journals', '3. Select JCR Year' (2013), and '4. Select Metrics' (JIF, JIF-subject category, 5-Year JIF, Immediacy Index, Eigenfactor, Article Influence, Score).

	Journal Title	Journal Title	ISSN	Citations	Impact Factor	
<input type="checkbox"/>	1	CLINICAL JOURNAL OF ONCOLOGY	1539-7538	12,463	45.661	
<input type="checkbox"/>	2	NEW ENGLAND JOURNAL OF MEDICINE	0028-4793	257,469	54.420	
<input type="checkbox"/>	3	CHEMICAL REVIEWS	0009-2665	124,463	45.661	
<input type="checkbox"/>	4	REVIEWS OF MODERN PHYSICS	0034-6861	37,647	42.860	
<input type="checkbox"/>	5	NATURE	0028-0836	590,324	42.351	
<input type="checkbox"/>	6	Annual Review of Immunology	ANNU REV IMMUNOL	0732-0582	16,653	41.392

Researchers can easily compare journals and pick up one for publishing a paper, keeping in mind metrics and indicators

The New JCR another solution for your researchers...

Research Article Manuscript Draft

Abstract:

A biomass-based methanol production process was investigated. The process consists of a biomass gasifier, steam reformer, and methanol synthesis reactor as the main units. Reactors were simulated by applying the kinetic models previously developed and the process was analyzed based on the simulation results. The key parameters, the equivalence ratio in biomass gasification, and the temperature in steam reforming.

Introduction:

This work addresses a policy initiative by the Federal Administration to apply United States Department of Energy (DOE) research to broadening the country's domestic production of economic, flexible, and secure sources of energy fuels. President Bush had proposed the Advanced Energy Initiative, which outlines significant new investments and policies to change the way we fuel our vehicles and the way we power our homes and businesses. The specific goal for biomass in the Advanced Energy Initiative is to foster the breakthrough technologies needed to make cellulosic ethanol cost-competitive with corn-based ethanol by 2012.

A previous report studied the production of cellulosic ethanol with syngas from indirect gasification. This report extends the study of thermochemical conversion processes by looking into alcohol production using syngas from high-pressure oxygen blown direct gasifiers. The higher pressure in the gasification and tar reforming sections requires a supply of higher pressure steam. The biomass feed also needs to be pressurized before feeding. The oxygen blown gasifier also requires an Air Separation Unit (ASU) to provide oxygen. Since the syngas output is also at a higher pressure, one of the compressors used in the indirect gasification process to pressurize the syngas prior to acid gas removal is eliminated in this process. The remaining process is similar to the indirect steam gasification process. A conscious decision was made to keep overall process design similar to the previous study in order to focus on the effect of the type of gasifier on the process and economics. The heat exchanger network design after pinch analysis is different, which is expected because of a different thermal profile for this process. The numbers reported in the report use the same cost year and feedstock costs as the indirect gasification process. Results are also presented in 2007 dollars and with updated feedstock costs in Appendix I.

The intent of this report is to be a standalone reference without having to refer back to the indirect gasifier report. Hence, some sections have been taken verbatim from that report. Some information in the appendices of the indirect gasifier study was not repeated.

The indirect steam gasification process was studied first because it was known that the cost of the high pressure oxygen blown direct gasification process would likely be higher, based on similar experience with methanol production. This is discussed in detail later in the report.

EndNote Manuscript Matcher

Journal Recommendation: Chemical & Engineering Technology

IMPACT FACTOR: 2.261

WHY THIS JOURNAL ?

TERMINOLOGY MATCH

77% reactors

65% production process

62% recycle

SUBMIT TO THIS JOURNAL

Journal Recommendation: Industrial & Engineering Chemistry Research

IMPACT FACTOR: 5.054

WHY THIS JOURNAL ?

TERMINOLOGY MATCH

77% reactors

62% recycle

SUBMIT TO THIS JOURNAL

Journal Recommendation: International Journal of Hydrogen Energy

IMPACT FACTOR: 2.131

WHY THIS JOURNAL ?

TERMINOLOGY MATCH

62% recycle

SUBMIT TO THIS JOURNAL

Page 1 of 2 Words: 104 146%

“Manuscript Matcher” add-on will be integrated into Endnote

Q&A and Useful Links



webofscience.com



my.endnote.com



researcherid.com



wokinfo.com



youtube.com/WoSTraining



Massimiliano.carloni@thomsonreuters.com

linkedin.com/in/mcarloni



THE NEW INCITES
JOURNAL AND HIGHLY CITED DATA:
Essential Science Indicators (ESI)

Massimiliano Carloni
Strategic Business Manager

Workshop Bibliosan, Rome 3rd December, 2014



THOMSON REUTERS



The New Incites

ESI: what's for

- **Benchmark** (through third parties data) the research performance of people, institutions, countries, journals and papers against field baselines.
- Keep informed on **global research trends** by monitoring for highly cited (excellence) and hot papers (innovation) and research fronts in a range of disciplines
- Research producing organisations: **rank** your institution among the top 1% of highly cited institutions globally.
- Research **funding** organisations: identify which institutions are producing high impact papers.
- **Provide data (percentiles and threshold)** that can be used for supporting basic evaluation needs.



The New Incites

ESI: data

- Over 10 million items from over 12,000 indexed journals.
- Articles, reviews, proceedings papers, research notes.
- Does not include letters, editorial material, etc.
- 10-year rolling file.
- Updated every 2 months.

- The Essential Science Indicators™ database from Thomson Reuters has been updated as of **November 6th, 2014** to cover a 10-year plus 8-month period, **January 1, 2004-August 31, 2014**. Data is updated bimonthly (six times a year). This is the fourth bimonthly period of 2014.

The New Incites

ESI: fields of research

- Multidisciplinary tool covering 22 discipline areas.
- Scope notes for each field can be found on In-Cites webpage at <http://sciencewatch.com/about/met/>

Agricultural Sciences

Biology & Biochemistry

Chemistry

Clinical Medicine

Computer Science

Ecology/Environment

Economics & Business

Engineering

Geosciences

Immunology

Material Sciences

Mathematics

Microbiology

Molecular Biology & Genetics

Multidisciplinary

Neuroscience & Behavior

Pharmacology & Toxicology

Physics

Plant & Animal Science

Psychology/Psychiatry

Social Sciences, general

Space Science

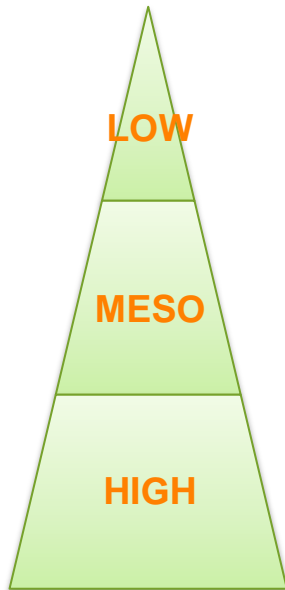


The New Incites

ESI: citation thresholds

- Only the most highly cited individuals, institutions, journals, countries and papers will be found in the database. Inclusion in ESI is dependent upon meeting the citation thresholds shown below.

Level of Aggregation



	Citation Percentile	Data years examined
Highly Cited Papers	1%	10
Hot Papers	0.1%	2
Researchers	1%	10
Institutions	1%	10
Journals	50%	10
Countries	50%	10

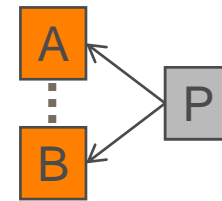
The New Incites

ESI: Co-Citation Analysis

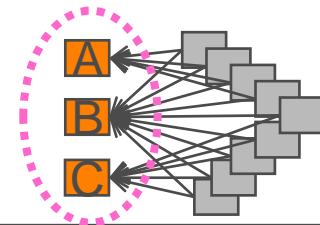
Co-Citation Analysis and Clustering:

Counting the number of times that a given pair of documents (or authors or journals) are co-cited. The more papers that co-cite the pair, the stronger the relationship. This relationship is dynamic (new papers may be published which cite the pair) and forward looking.

- When paper A and B are “co-cited” by paper P, A and B are likely to have topical similarity.



- When co-citation is frequent, it forms a group of papers that are topically associated to one another.



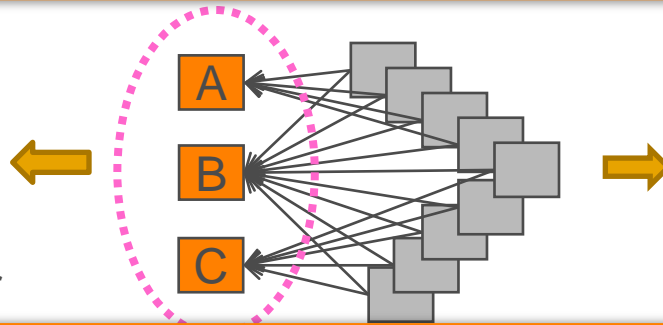
The New Incites

ESI: Research Fronts

Clusters of papers belonging to the 1% most highly cited papers that are frequently cited together;
 → A Research Front is formed.

Research Fronts consist of a group of highly cited Core Papers and a set of Citing Papers that frequently cite the Core Papers

- A** are highly cited and
- B** influential
- C** papers that have left a mark in their field



Co-citing papers reveal the uptake of data, techniques and concepts revealed in the Core Papers

Research fronts are drivers of innovation and scientific discovery in their fields

Top Five Research Fronts in Space Science

1	2011FE);TYPE IA SUPERNOVA 2011FE;TYPE IA SUPERNOVA REMNANT SNR 05092-67;TYPE IA SUPERNOVA;NORMAL TYPE IA SUPERNOVAE	39	2011.7
2	SOLAR DYNAMICS OBSERVATORY (SDO);SOLAR OPTICAL TELESCOPE ONBOARD HINODE;SOLAR OPTICAL TELESCOPE;QUIET SOLAR CORONA;SOLAR CORONA	20	2010.7
2	SDSS-III DR9 BARYON OSCILLATION SPECTROSCOPIC SURVEY;SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY;BARYON OSCILLATION SPECTROSCOPIC SURVEY;SLOAN DIGITAL SKY SURVEY DATA RELEASE 7 GALAXY SAMPLE;DATA RELEASE 9 SPECTROSCOPIC GALAXY SAMPLE	20	2011.4
4	KEPLERS CANDIDATE MULTIPLE TRANSITING PLANET SYSTEMS;KEPLER PLANET CANDIDATES;KEPLER LONG CADENCE DATA;KEPLER SHORT CADENCE DATA;KEPLER INPUT CATALOG	19	2010.7
5	FERMI LARGE AREA TELESCOPE FIRST SOURCE CATALOG;FERMI LARGE AREA TELESCOPE SECOND SOURCE CATALOG;FIRST FERMI LARGE AREA TELESCOPE CATALOG;FERMI LARGE AREA TELESCOPE ALL-SKY SURVEY;FERMI LARGE AREA TELESCOPE	16	2010

The name of the Research Fronts comes from a summarization of the titles of the citing papers