Altmetriikka & Visibility

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Terkko – Medical Campus Library
Helsinki University Library
• Altmetrics is the study and use of non-traditional scholarly impact measures that are based on activity in web-based environments. As scholarship increasingly moves online, these metrics track associated interactions and activity to generate fine-grained data, allowing researchers and policy makers to create a higher resolution picture of the reach and impact of academic research.

• Altmetrics research seeks to build and track a rich, holistic image of impact on diverse audiences (general public as well as scholars) and monitors diverse types of engagement with scholarship, including viewership, discussion, bookmarking, and recommendation, along with traditional citation.
No one can read everything

• Medline

<table>
<thead>
<tr>
<th>Year</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960</td>
<td>112 118</td>
</tr>
<tr>
<td>2000</td>
<td>529 861</td>
</tr>
<tr>
<td>2013</td>
<td>1 127 242</td>
</tr>
</tbody>
</table>

• PLOS ONE
  • 2014: 31 500 articles
  • Article # 100 000 June/2014

• We need filters ->
Scholarly literature filters  (http://altmetrics.org/manifesto/)

• Traditional
  • Peer review
    • Slow
    • Conventional
  • Citation counting
    • Useful but not sufficient
• Journal Impact Factor
Scholarly literature filters
(http://altmetrics.org/manifesto/)

• Altmetrics
  • Fast
  • Open
  • Crowdsourcing peer-review
  • Article itself
  • Impact outside the academy, non-peer-reviewed sources
  • Datasets, code, experimental designs
  • Nanopublication (argument or passage)
  • Self-publishing (blogging, comments, annotations)
Metrics

• Altmetrics
  • Captures: bookmarks, saves, favorites
  • Mentions: blogs, news stories, Wikipedia
  • Social media
    • Twitter, Facebook, Google+

• Article-level metrics
  • Usage

• Bibliometrics
  • Citations
Now, what?!
Two Sides of the Same Coin

• New role for the libraries
  • Visibility (beyond citations)
    • Terkko altmetrics process
      • How the library can increase the visibility of the publications from the campus
      • Basic (ongoing), Plus (forthcoming)

• Show the results
  • Altmetrics databases
    • Native databases
    • Embedded, widgets
  • Metrics/visibility @ Terkko Navigator (digital library @ the medical campus)
    • Terkko Impact, Terkko Kudos
    • Scholar Profiles
Terkko Altmetrics Process (basic)

• PubMed author search
  • RSS feed to FeedNavigator
    • Compiled to Scholar Chart
    • Added to CiteULike -> back to FeedNavigator
    • Added to Mendeley
      • -> Twitter (through Twitterfeed) (#amchelsinki)
  • Added to Facebook
  • Added to ImpactStory
  • Article of the Week (in Finnish, Medical Faculty)
Novel Associations Between Major Histocompatibility Complex and Pediatric-Onset Inflammatory Bowel Disease.

[New vaccines against group B meningococcal diseases]
### Articles

<table>
<thead>
<tr>
<th>Title</th>
<th>Journal</th>
<th>Publication Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>Journal A</td>
<td>2023-01-01</td>
</tr>
<tr>
<td>Two</td>
<td>Journal B</td>
<td>2023-02-02</td>
</tr>
<tr>
<td>Three</td>
<td>Journal C</td>
<td>2023-03-03</td>
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</tbody>
</table>

### Topics

- Topic 1
- Topic 2
- Topic 3

### Journals

- Journal A
- Journal B
- Journal C
## Scholars at the Academic Medical Center Helsinki (last 12 months)

<table>
<thead>
<tr>
<th>Scholar</th>
<th>AVG IF</th>
<th>AVG SJR</th>
<th>AVG JIF</th>
<th>Num.</th>
<th>Tekko F.</th>
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<tbody>
<tr>
<td>1. Pakkola, Anamo* (FIMH)</td>
<td>12.11</td>
<td>7.6</td>
<td>2.106</td>
<td>47</td>
<td>650</td>
</tr>
<tr>
<td>2. Kuvimaki, Mikko*</td>
<td>7.977</td>
<td>3.713</td>
<td>1.815</td>
<td>78</td>
<td>571.9</td>
</tr>
<tr>
<td>4. Eriksson, Johan G*</td>
<td>7.049</td>
<td>3.817</td>
<td>1.593</td>
<td>59</td>
<td>386.3</td>
</tr>
<tr>
<td>6. Tuomioaho, Jaakko*</td>
<td>11.91</td>
<td>5.02</td>
<td>1.488</td>
<td>37</td>
<td>349</td>
</tr>
<tr>
<td>7. Nieminen, Markku S*</td>
<td>14.18</td>
<td>7.384</td>
<td>1.857</td>
<td>22</td>
<td>300.8</td>
</tr>
<tr>
<td>8. Knip, Mikael*</td>
<td>8.25</td>
<td>3.964</td>
<td>1.816</td>
<td>37</td>
<td>285.1</td>
</tr>
<tr>
<td>10. Ropati, Samuli* (FIMH / Hjelt)</td>
<td>12.484</td>
<td>7.418</td>
<td>1.947</td>
<td>19</td>
<td>255.1</td>
</tr>
</tbody>
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## Articles published from the Academic Medical Center Helsinki

<table>
<thead>
<tr>
<th>Articles</th>
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<th>Journals</th>
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<tbody>
<tr>
<td>Frequency of MELAS main mutation in a phenotype-targeted young ischemic stroke patient population.</td>
<td>Tatulsion, Turgut* - Pataala, Jukka* - Suomalainen-Wartovaara, Arno* - Journal of Neurology (Jifo) 15.11.2015</td>
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<td>Prognostic value of trans-thoracic echocardiography in patients with acute stroke and atrial fibrillation: findings from the RAF study.</td>
<td>Tatulsion, Turgut* - Pataala, Jukka* - Journal of Neurology (Jifo) 15.11.2015</td>
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<td>Phosphorus</td>
<td>Lamberg-Allardt, C. - Journal of Neurology (Jifo) 15.11.2015</td>
<td></td>
</tr>
<tr>
<td>Dose-Response Association Between Psychological Distress and Risk of Completed Suicide in the General Population.</td>
<td>Kvimaki, Mikko* - JAMA Psychiatry (Jifo) 13.11.2015</td>
<td></td>
</tr>
<tr>
<td>A meta-analysis of 120,246 individuals identifies 18 new loci for fibrinogen concentration.</td>
<td>Pakkola, Anamo* (FIMH) - Eriksson, Johan G* - Human Molecular Genetics (Jifo) 2 13.11.2015</td>
<td></td>
</tr>
<tr>
<td>Systematic reviews suffer from major limitations in reporting absolute effects.</td>
<td>Tikkinen, Kari* - Journal of Clinical Epidemiology (Jifo 3) 13.11.2015</td>
<td></td>
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<tr>
<td>Post-transplant Merkel Cell Carcinoma</td>
<td>Böhling, T. - Acta dermato-venereologica (Jifo 1) 12.11.2015</td>
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<td>Primary Amine Oxidase of Escherichia coli is a Metabolic Enzyme That Can Use a Human Leukocyte Molecule as a Substrate.</td>
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Adiposity as a cause of cardiovascular disease: a Mendelian randomization study. International... bit.ly/110vCO7 #amhelsinki
Terkko Altmetrics Process (plus)

- Auto-updating
  - ORCID
  - PlumX
- Exclusive hashtag
  - #labname
- Customized (Twitter, Facebook, ThinkWall...)
  - DOI, PMID
- Extension of publications
  - SlideShare
  - Youtube
Terkko Navigator

• https://terkko.helsinki.fi/
• Terkko Impact
  • Feeds, journals, books, databases, tools, services
  • Bibliometrics, rankings
  • Altmetrics: embedded tweets, latest articles
• Scholar Profiles
  • Publications in real time
  • Embedded altmetrics, article level metrics
Terkko Navigator

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<th>Title</th>
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<th>Days</th>
</tr>
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<tr>
<td>Identification of Candidate Oncogenes in Human Colorectal Cancers with Microsatellite Instability.</td>
<td>Aaltonen, L.A.</td>
<td>9</td>
</tr>
<tr>
<td>Exome sequencing in diagnostic evaluation of colorectal cancer predisposition in young patients.</td>
<td>Aaltonen, L.A.</td>
<td>57</td>
</tr>
<tr>
<td>Diagnostic cancer genome sequencing and the contribution of germline variants.</td>
<td>Aaltonen, L.A.</td>
<td>61</td>
</tr>
<tr>
<td>deleGA (rs67491583) variant and colorectal cancer risk in an indigenous African population.</td>
<td>Aaltonen, L.A.</td>
<td>85</td>
</tr>
<tr>
<td>Primary mediastinal large B-cell lymphoma segregating in a family: exome sequencing identifies MLL as a candidate predisposition gene.</td>
<td>Aaltonen, L.A.</td>
<td>86</td>
</tr>
<tr>
<td>MED12 exon 2 mutations in histopathological uterine leiomyoma variants.</td>
<td>Aaltonen, L.A.</td>
<td>01</td>
</tr>
<tr>
<td>Prevalence of Germline PTEN, BMPR1A, SMAD4, STK11, and ENG Mutations in Patients with Moderate-Load Colorectal Polyps.</td>
<td>Aaltonen, L.A.</td>
<td>106</td>
</tr>
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</table>
Terkko visibility services

• Terkko Kudos
  • A service designed to increase the impact and maximum global visibility of the published articles from the Academic Medical Center Helsinki (#amchelsink)
  • http://terkko.helsinki.fi/terkko-kudos/links/

• Scholar Chart
  • Mashup: Combines data from more than one source: FeedNavigator RSS feeds, Impact Factors, SCImago Journal Ranks, Jufo
    • Lists ca. 800 Finnish medical scholars’ articles in real time
    • http://terkko.helsinki.fi/scholarchart/

• Top Cited
  • The most cited articles from the Univ of Helsinki (Scopus API)
  • http://terkko.helsinki.fi/topcited/
Terkko Kudos is a service designed to increase the impact and maximum global visibility of the published articles from the Academic Medical Center Helsinki.

Choose the 'Databases & Sites' tab to find all the visibility services created by Terkko.
Players: native databases, embedded widgets
Clonal culturing of human embryonic stem cells on laminin-521/E-cadherin matrix in defined and xeno-free environment.


Added 390 days ago (28.01.2014)
Search Sources
Source: Nat Comm
#amchelsinki @ ImpactStory

**Selected works**


**Key profile metrics**

- 10.2M impressions
- 25k views
Chromosome X-wide association study identifies Loci for fasting insulin and height and evidence for incomplete dosage compensation.
Tukiainen, Pirinen, Sarin et al. 2014 PLoS genetcs

Abstract: The X-chromosome (chrX) represents one potential source for the "missing he..." [more]
PlumX database: University of Helsinki
PlumX database: #amchelsink
Plum Metrics

• Usage
  • clicks, downloads, views, library holdings, video plays

• Captures
  • bookmarks, code forks, favorites, readers, watchers

• Mentions
  • blog posts, comments, reviews, Wikipedia links

• Social media
  • +1s, likes, shares, Tweets

• Citations
  • PubMed Central, Scopus, USPTO

• http://www.plumanalytics.com/metrics.html
PlumX profile page
Altmetrics -> Allmetrics (http://blog.impactstory.org/beall-altmetrics/)

• What altmetrics actually measure?
• The point of altmetrics isn’t to measure quality. It’s to better understand impact: both the *quantity* of impact and the *diverse types* of impact.
• And when we supplement traditional measures of impact like citations with newer, altmetrics-based measures like post-publication peer review counts, scholarly bookmarks, etc we have a better picture of the full extent of impact. Not the only picture. **But a better picture.**
• Research Impact is multidimensional and it is obvious that no single metric is sufficient to measure it. Hence, **we should positively welcome altmetrics and work on it to have a wider view of impact.**
LEAVE ME ALONE

I KNOW WHAT I'M DOING