# Altmetriikka & Visibility

Jukka Englund

Jukka.Englund@Helsinki.fi

Terkko – Medical Campus Library

Helsinki University Library

# PLOS (http://www.ploscollections.org/article/browselssue.action?issue=info:doi/10.1371/issue.pcol.v02.i19)

- 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

Year	References
1960	112 118
2000	529 861
2013	1 127 242

- 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

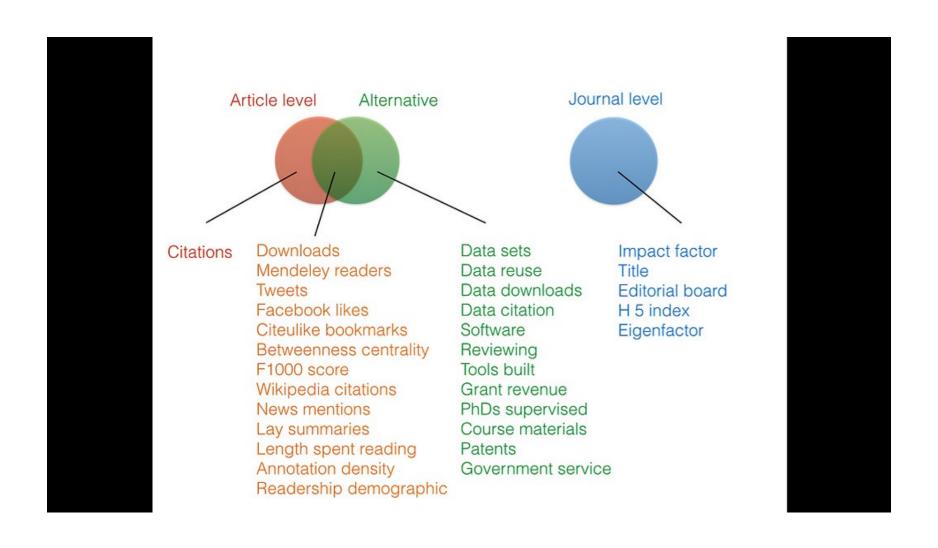
(http://altmetrics.org/manifesto/)

- 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

#### Source: Ian Mulvany [Head of Technology at eLife Sciences Publications Ltd] http://bit.ly/1tUtY48



## Now, what?!





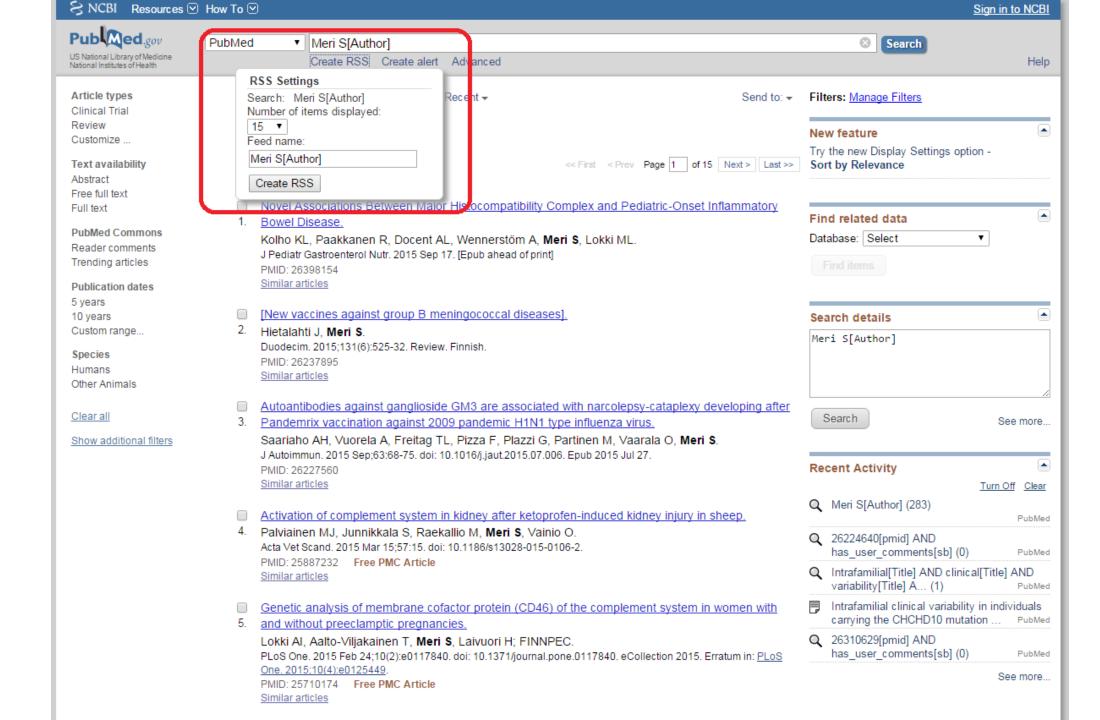
### Two Sides of the Same Coir



- 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)





Open | Save | New

Search

Author Title Abstract My selections only

Home Health Sciences	Life Sciences	Physical Sciences Social Sciences Humanities Suomi ABC Help						
Tutkijat / Helsinki		Novel Associations Between Major Histocompatibility Complex and Pediatric-Onset Inflammatory Bowel Disease.	Meri, S(eppo)*	53 days	save	f∟∰	•	le.
Aaltonen, L(eena)-M(aija)		[New vaccines against group B meningococcal diseases].	Meri, S(eppo)*	103 days	save	f 🖃	•	
Aarnisalo, P.		Autoantibodies against ganglioside GM3 are associated with narcolepsy-cataplexy developing after	M : 0/ W	407.1				
Adlercreutz, H.		Pandemrix vaccination against 2009 pandemic H1N1 type influenza virus.	Meri, S(eppo)*	107 days	save	f	(1)	
Airaksinen, M(arja) S.		Activation of complement system in kidney after ketoprofen-induced kidney injury in sheep.	Meri, S(eppo)*	211 days	save	f⊑₩	•	
Airaksinen, M(atti) S.			M : 0/ W	242 1				
→ Aittokallio, T(ero)* (FIMM)		Activation of complement system in kidney after ketoprofen-induced kidney injury in sheep.	Meri, S(eppo)*	243 days	save	fEX	(1)	1=
Aittomäki, K(ristiina)*		Genetic Analysis of Membrane Cofactor Protein (CD46) of the Complement System in Women with and without Preeclamptic Pregnancies.	Meri, S(eppo)*	264 days	save	f ⊑ <mark>∛</mark>	•	
Akerman, K.E.		The outer membrane protease PgtE of Salmonella enterica interferes with the alternative complement		005.1				
<ul> <li>Alakoskela, J.M.</li> <li>Alaluusua, S.</li> </ul>		pathway by cleaving factors B and H.	Meri, S(eppo)*	265 days	save	f	(1)	1=
Alastalo, TP.		Autoimmunity, not a developmental defect, is the cause for subfertility of Autoimmune regulator (Aire) deficient mice.	Meri, S(eppo)*	271 days	save	f E <mark>∛</mark>	•	ı
Alho, H.		Complement system in dermatological diseases - fire under the skin.	Meri, S(eppo)*	271 days	save	fE8	•	
Alitalo, K(ari)*		Anopheles Midgut Epithelium Evades Human Complement Activity by Capturing Factor H from the	. , , , ,	•				
Almqvist, F.		Blood Meal.	Meri, S(eppo)*	275 days	save	f E	(1)	
Amemori, M. Andersson, L.C.		Antigenic Differences between AS03 Adjuvanted Influenza A (H1N1) Pandemic Vaccines: Implications for Pandemrix-Associated Narcolepsy Risk.	Meri, S(eppo)*	334 days	save	f E∰	0	
♦ Anttila, V(eli)-J(ukka)		Activation of Vestibule Associated Lymphoid Tissue in Localized Provoked Vulvodynia.	Meri, S(eppo)*	348 days	save	f E∰	•	
Anttila, V(erneri)			M : 0/ >+	240 1		BETTER A B		
Arstila, P.		Dysregulation of adaptive immune responses in complement C3-deficient patients.	Meri, S(eppo)*	348 days	save	fES	(1)	
Asko-Seljavaara, S.		The Salivary Scavenger and Agglutinin in Early Life: Diverse Roles in Amniotic Fluid and in the Infant Intestine.	Meri, S(eppo)*	395 days	save	f ES	•	
Aspelund, A(leksanteri)		Pathophysiology of a severe case of Puumala hantavirus infection successfully treated with	M-i 0/\*	422				
Autti, T.		bradykinin receptor antagonist icatibant.	Meri, S(eppo)*	432 days	save	fEX	(1)	1-
Auvinen, E.		Complement Factor I Promotes Progression of Cutaneous Squamous Cell Carcinoma.	Meri, S(eppo)*	438 days	save	f 🚉	•	
Backman, J.T.			M : 0/ >+	100				
Battersby, B(rendan) J.		[Birds as carriers of human disease].	Meri, S(eppo)*	466 days	save	f S	(1)	
Baumann, M.		Complement activation and regulation in preeclamptic placenta.	Meri, S(eppo)*	474 days	save	f ES	•	
♦ Björkman, M.P. ♠ Böbling, T.			W : 0/ W	100 1				
Böhling, T.		Acute Hantavirus Infection Induces Galectin-3 Binding Protein.	Meri, S(eppo)*	492 days	save	f	(1)	

Terkko University of Helsinki

#### Scholar Chart

Finland | Helsinki | Turku | Tampere | Kuopio | Oulu | Institutions

Finnish Medical Scholars (last | 12 ▼ | months)

	Scholar	<b>AVG IF</b>	AVG SJR	AVG Jufo	Num.	Terkko F.	Org.
1.	Palotie, A(arno)* (FIMM)	12.237	7.557	2.109	47	656.4	Hel
2.	Kivimäki, M(ika)*	7.977	3.713	1.815	78	571.9	Hel
3.	Raitakari, O.	8.247	4.649	1.857	63	531.6	Tur
4.	Lehtimäki, T.	9.413	4.775	1.768	56	499.2	Tam
5.	Salomaa, V. (THL)	11.424	5.941	2	42	489.3	Ins
6.	Laakso, M.	11.148	5.758	1.95	39	436.3	Kuo
7.	Kaprio, J(aakko)* (FIMM)	7.592	4.225	1.772	57	429.7	Hel
8.	Eriksson, J(ohan) G.*	7.049	3.817	1.593	59	386.3	Hel
9.	Perola, M. (THL)	15.817	8.268	2.35	20	350.6	Ins
10.	Nevanlinna, H(eli)*	9.429	5.484	1.833	36	350.5	Hel
11.	Tuomilehto, J(aakko)*	11.91	5.02	1.488	37	349	Hel
12.	Järvelin, M.R.	9.02	5.23	1.829	36	334.4	Oul
13.	Kähönen, M.	7.269	3.986	1.756	45	321	Tam
14.	Jula, A,	8.56	4.351	1.718	39	312	Tur
15.	Nieminen, M(arkku) S.*	14.18	7.384	1.857	22	306.8	Hel
16.	Viikari, J.	7.727	4.575	1.972	36	300.6	Tur
17.	Knip, M(ikael)*	8.25	3.964	1.816	37	285.1	Hel
18.	Peltonen-Palotie, L. (1952-2010)	21.45	13.502	2.2	11	277.7	Hel
19.	Soininen, H.	9.807	4.32	1.382	34	260.2	Kuo
20.	Kuusisto, J(ohanna)	12.394	6.758	1.9	20	252.3	Kuo
21.	Stancakova, A.	15.637	8.887	2.286	14	249.5	Kuo
22.	Lokki, M(arja)-L(iisa)*	27.873	13.886	2.375	8	242.6	Hel
23.	Ripatti, S(amuli)* (FIMM / Hjelt)	11.964	7.156	1.9	19	242.3	Hel
24.	Kettunen, J(ohannes)	15.204	9.563	2.308	13	238.1	Oul
	Aittomäki, K(ristiina)*	9.994	5.407	1.75	24	233.4	Hel
26.	Räikkönen, K(atri) (UH BEHA)	8.917	3.953	1.633	30	227.6	Ins
27.	Mannermaa, A.	9.423	6.166	1.818	22	226.1	Kuo
28.	Kosma, V.M.	7.888	5.104	1.704	27	223.6	Kuo
29.	Joensuu, H(eikki)*	10.582	4.252	1.68	25	217.4	Hel
30.	Strandberg, T(imo)*	22.939	5.604	2.077	13	212.4	Hel
31.	Tatlisumak, T(urgut)*	6.291	3.765	1.677	33	208	Hel
32.	Ala-Korpela, M(ika)	12.738	6.338	2.063	16	206.5	Oul
33.	Rauramaa, R.	12.116	6.71	1.611	18	206	Kuo
34.	Vasankari, T. (THL)	11.665	4.135	1.435	23	191.4	Ins
35.	Winqvist, R.	10.792	7.372	2	15	189.2	Oul
36.	Groop, P(er)-H(enrik)*	8.942	4.469	1.64	23	186.2	Hel
37.	Koistinen, H(eikki) A.	33.552	16.361	2.4	5	181.5	Hel
38.	Alitalo, K(ari)*	7.617	4.939	1.739	22	177.9	Hel
39.	Pirinen, M(atti)* (FIMM)	24.457	13.178	2.667	6	175.9	Hel
40.	Tikkinen, K(ari)*	14.074	5.339	1.588	16	174.8	Hel

[ remove / add scholar ]

#### Medical Publishing in Finland

#### Articles Topics Journals

Prognostic value of trans-thoracic echocardiography in patients with acute stroke and atrial fibrillation: findings from the RAF study.

Tatlisumak, T(urgut)\* - Putaala, J(ukka)\* - Journal of Neurology (Jufo 1) 15.11.2015

Frequency of MELAS main mutation in a phenotype-targeted young ischemic stroke patient population.

Tatlisumak, T(urgut)\* - Putaala, J(ukka)\* - Suomalainen-Wartiovaara, A(nu)\* - Journal of Neurology (Jufo 1) 15.11.2015

#### Phosphorus.

Lamberg-Allardt, C. - Journal of Neurology (Jufo 1) 15.11.2015

Relationship between ubiquilin-1 and BACE1 in human Alzheimer's disease and APdE9 transgenic mouse brain and cell-based models.

Airenne, K. - Paananen, J. - Soininen, H. - Hiltunen, M(ikko) - Tanila, H. - Neurobiology of disease (Jufo 1) 14.11.2015

Galanin-Mediated Behavioural Hyperalgesia from the Dorsomedial Nucleus of the Hypothalamus Involves Two Independent Descending Pronociceptive Pathways. Pertovaara, A. - PLoS ONE (Jufo 1) 14.11.2015

<u>Determinants of ligand binding and catalytic activity in the myelin enzyme 2',3'-cyclic nucleotide 3'-phosphodiesterase.</u>

Kursula, P. - Scientific Reports (Jufo 2) 14.11.2015

<u>Vascular comorbidities and demographics of patients with ruptured abdominal aortic aneurysms.</u>

Oksala, N. - Surgery (Jufo 1) 14.11.2015

Endothelial Nitric Oxide Synthase G894T Polymorphism Associates with Disease Severity in Puumala Hantavirus Infection.

Pörsti, I. - Karhunen, P.J. - Mäkelä, S.I. - Mustonen, J. - PLoS ONE (Jufo 1) 14.11.2015

<u>Detecting a dexmedetomidine-evoked reduction of noradrenaline release in the human brain with the alpha2C -adrenoceptor PET ligand [(11) C]ORM-13070.</u>

Scheinin, H. - Scheinin, M. - Synapse (Jufo 1) 14.11.2015

Effect of Molecular Architecture of PDMAEMA-POEGMA Random and Block Copolymers on Their Adsorption on Regenerated and Apionic Nanocelluloses and Evidence of Interfacial



#### Helsinki Scholar Chart

Finland | Helsinki | Turku | Tampere | Kuopio | Oulu | Institutions | Feedback

#### Scholars at the Academic Medical Center Helsinki (last 12 ▼ months)

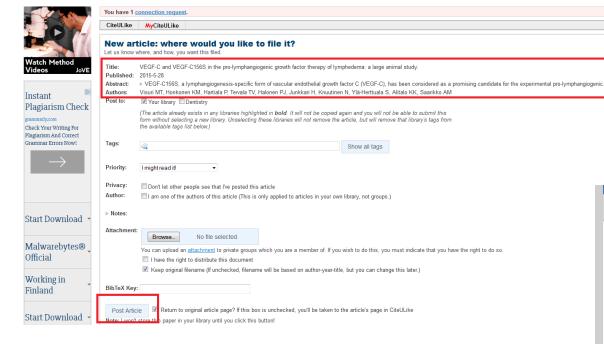
	<u>Scholar</u>	<u>AVG</u> <u>IF</u>	AVG SJR	<u>AVG</u> <u>Jufo</u>	Num.	Terkko F. ▼
1.	Palotie, A(arno)* (FIMM)	12.11	7.5	2.106	47	650
2.	Kivimäki, M(ika)*	7.977	3.713	1.815	78	571.9
3.	Kaprio, J(aakko)* (FIMM)	7.592	4.225	1.772	57	429.7
4.	Eriksson, J(ohan) G.*	7.049	3.817	1.593	59	386.3
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10.	Ripatti, S(amuli)* (FIMM / Hjelt)	12.484	7.418	1.947	19	255.1

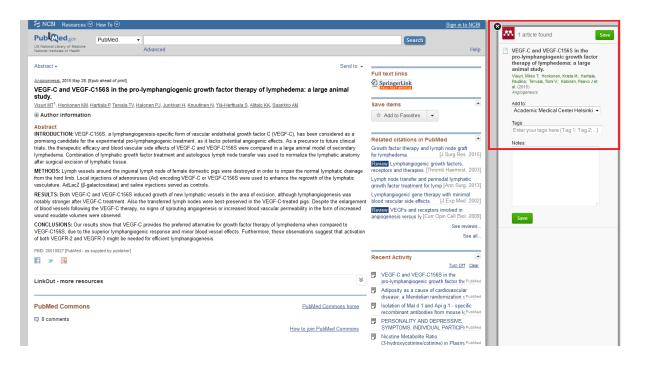
#### Articles published from the Academic Medical Center Helsinki

Articles	Topics	Journals	
patient popu Tatlisumak,	lation.	aala, J(ukka)* - S	ohenotype-targeted young ischemic stroke Guomalainen-Wartiovaara, A(nu)* - Journal of
atrial fibrillat	on: findings fr	om the RAF stud	rdiography in patients with acute stroke and dy.  Journal of Neurology (Jufo 1) 15.11.2015
Phosphorus Lamberg-All	_	rnal of Neurology	/ (Jufo 1) 15.11.2015
<u>Hypothalam</u>	us Involves T		sia from the Dorsomedial Nucleus of the Descending Pronociceptive Pathways. .2015
Suicide in th	e General Pop		ychological Distress and Risk of Completed 1) 13.11.2015
concentratio	o <u>n.</u> no)* (FIMM) - I		ntifies 18 new loci for fibrinogen ) G.* - Human Molecular Genetics (Jufo
			tations in reporting absolute effects. miology (Jufo 3) 13.11.2015
		ell Carcinoma. o-venereologica (	(Jufo 1) 12.11.2015
Human Leu	kocyte Moleci	f Escherichia co ule as a Substrat Jufo 1) 12.11.20	
		Ion-Alcoholic Fat Nutrients (Jufo	tty Liver Disease and Insulin Resistance. 1) 12.11.2015

Plasma Heme Oxygenase-1 in Patients Resuscitated From Out-of-Hospital Cardiac











#### Terkko

@Terkko

Terkko serves students and researchers at the University of Helsinki, personnel of HUCH and all those who need medical and health information.

- Helsinki, Finland
- & terkko.helsinki.fi
- (3) Joined March 2009
- 16 Photos and videos











Terkko @Terkko · Nov 28

Tweets & replies

Adiposity as a cause of cardiovascular disease: a Mendelian randomization study.: International j... bit.ly/110vCO7 #amchelsinki

Terkon osaava henkilökunta palvelee

myös Terkko Navigatorissa: Terkko

Photos & videos



Tweets

Pinned Tweet

Terkko @Terkko · 51m

PERSONALITY AND DEPRESSIVE
SYMPTOMS: INDIVIDUAL PARTICIPANT
META-ANALYSIS OF 10 COHORT
STUDIES.: ... bit.ly/1ENoBZE

#amchelsinki

4 42 4 di ...

### Terkko Altmetrics Process (plus)

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

Feeds

Journals

Books

**Databases & Sites** 

Profiles



Couch, apis and all that Altmetrics	12 h	>
New Initiative to Help Authors Increase Research Impact Altmetrics	1 day	>
News Roundup: Week of 27th May 2013 Altmetrics	1 day	>
Interactions: Science Through an Altmetrics Lens Altmetrics	1 day	>
News Roundup: Week of 20th May 2013		





Medicine - All Feeds
Allergology and Immunology
Anatomy and Physiology
Anesthesiology and Intensive Care
Biochemistry
Bioengineering
Biophysics
Biotechnology
Cardiology
Cardiothoracic Surgery
Clinical Chemistry
Clinical Medicine
Complementary Medicine
Cytology and Histology
Dentistry









8

### Terkko Navigator

- 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



Feeds Journals Books Databases & Sites Profiles

Click to add content to your page

9 days	0
57 days	0
61 days	0
84 days	0
85 days	0
L as a	0
91 days	<b>(</b> 2
te-Load	<b>(</b> )
	57 days 61 days 84 days 85 days Lasa 86 days



#### Edit

Click to add content to your page

Impact Factor: 11.764

SJR: 4.661

<u>JUFO</u>: 2.235

Articles: 19

Terkko Factor: 210.3 (VIF\*SJR\*JUFO \* Num)

Based on articles published in the last 12 months.













### 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 (#amchelsinki)**
- 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/

Feeds

Journals

Books

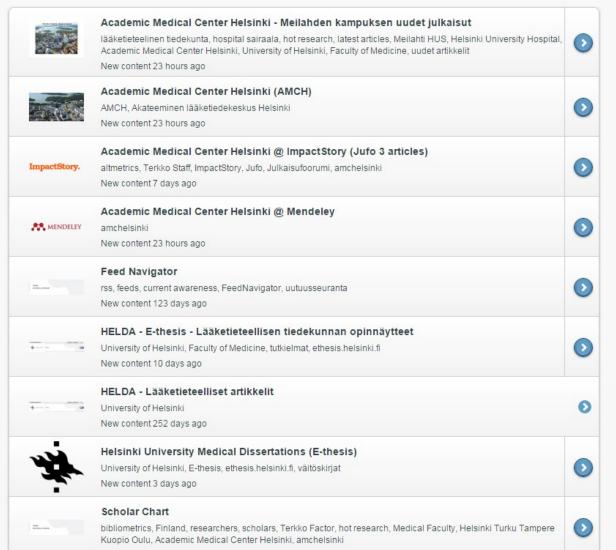
Databases & Sites

Profiles

Search Terkko Kudos Lir

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 'Databases & Sites' tab to find all the visibility services created by Terkko.







impact

reputation

social media

cited

Players: native databases, embedded widgets

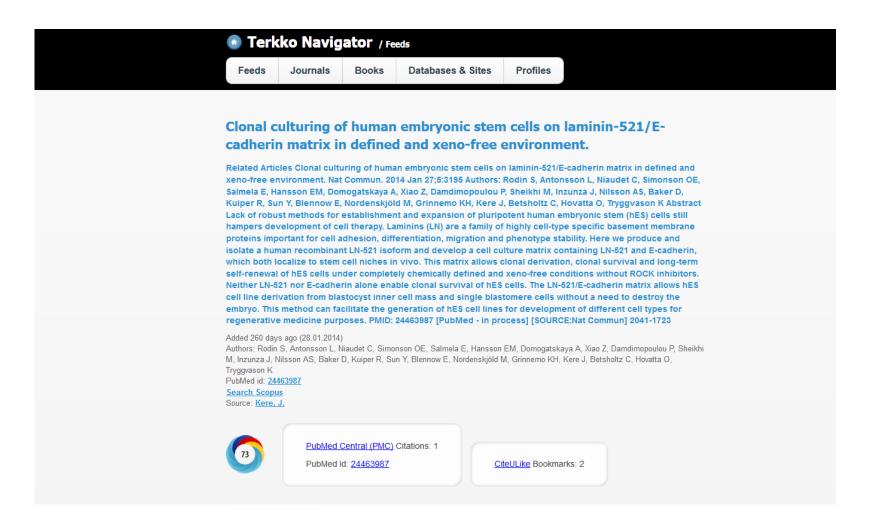




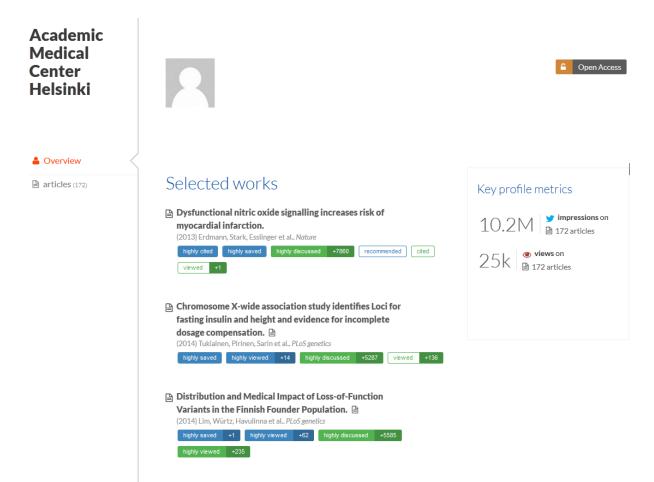
ImpactStory.



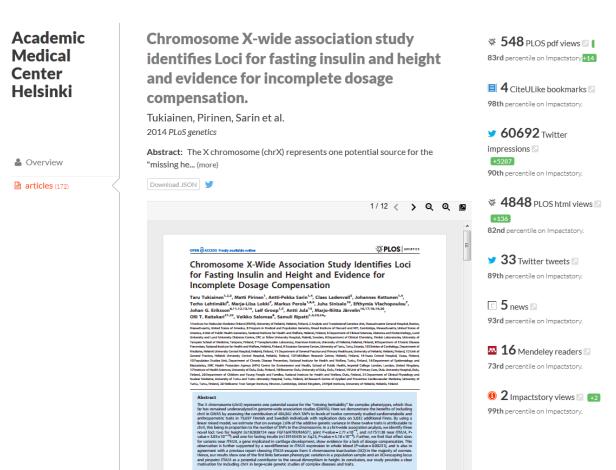
### Altmetric: Embedded altmetrics @ the article level



## #amchelsinki @ ImpactStory

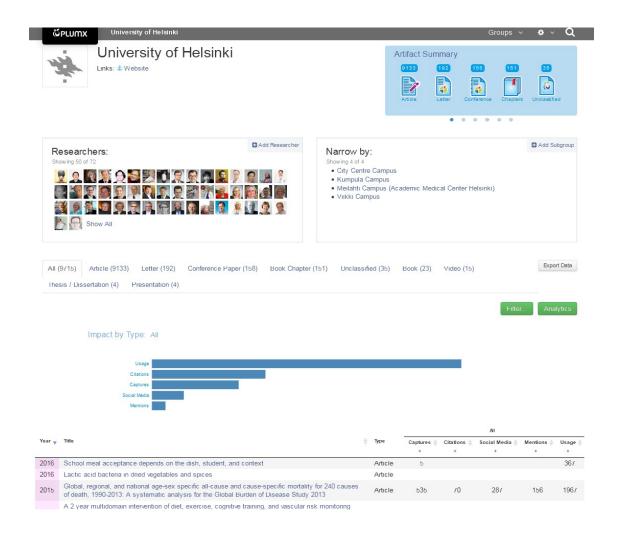


## #amchelsinki article @ ImpactStory

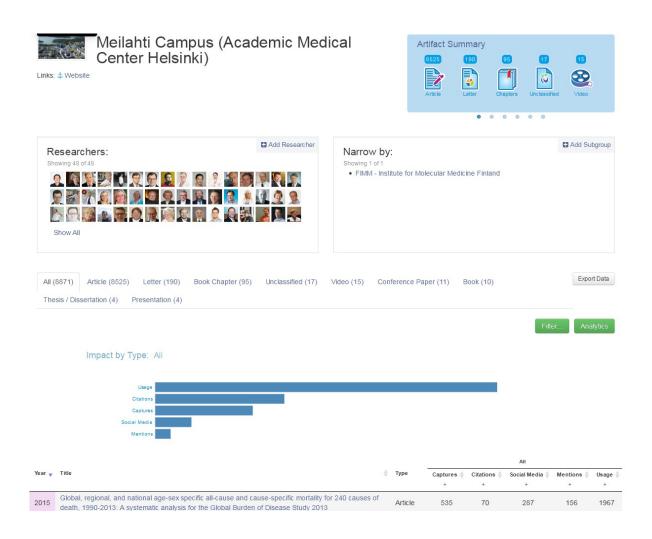


Editor: Peter M. Vascher. The University of Queensland. Australia

## PlumX database: University of Helsinki



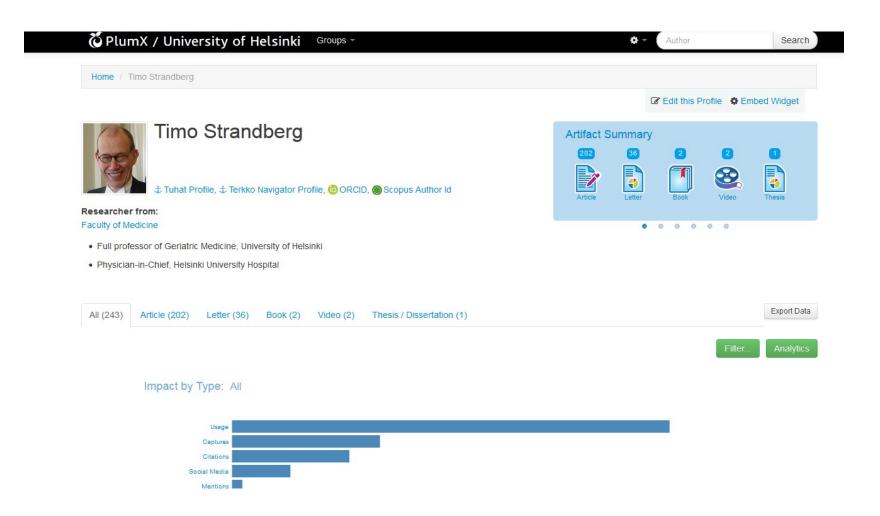
#### PlumX database: #amchelsinki



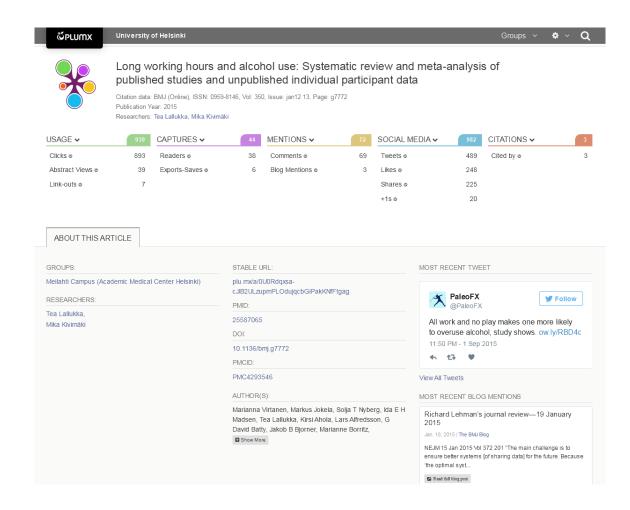
#### Plum Metrics

- 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

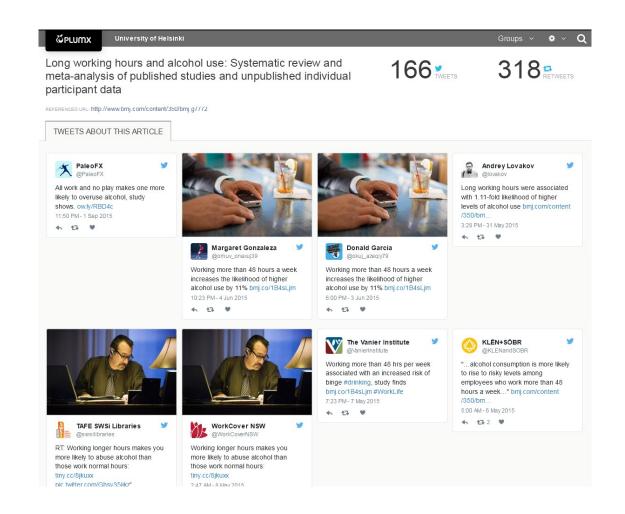
### PlumX profile page



### PlumX article page



### PlumX tweets



# 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.

