



Ysbrydoledig • Cynnwys • Hysbysu

**EAHIL 2018**

Caerdydd • Cardiff

Inspiring • Involving • Informing

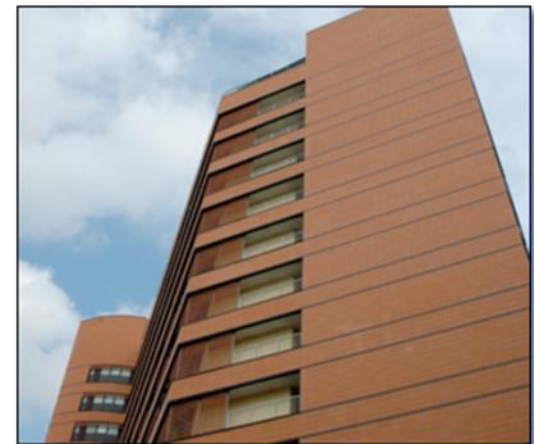
**Title:** Can we innovate how we measure scientific impact?

**Authors:** Valeria SCOTTI, Luigia SCUDELLER, Annalis DE SILVESTRI, Chiara REBUFFI, Funda TOPUZ, Paola ABELE, Moreno CURTI

**Institution:** Fondazione IRCCS Policlinico San Matteo of Pavia -Italy



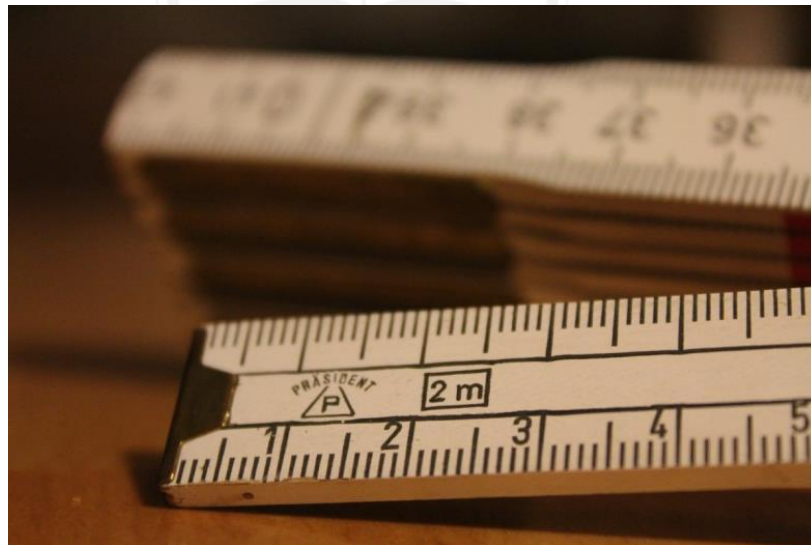
- ❑ San Matteo Hospital is an Italian public research institute of national prominence.
- ❑ Our library is *the only* 'hospital library' and is the reference point for all physicians, researchers and nurse staff looking for a literature research.





# The problem...

- The problem of measuring the scientific and social impact of research publications has been of extreme interest to scientists and scholars since the inception of modern science, but it has always been hard to answer..





# Bibliometrics

- **Bibliometrics** is the application of quantitative analysis and statistics to publications such as journal articles and their accompanying citation counts.
- The main tool of bibliometrics is citation analysis:
  - ✓ Applies to journals (**impact factor**)
  - ✓ individuals (**h-index**)
  - ✓ and articles (**citation impact**)



# Alternative Metrics

Altmetrics combines the traditional Bibliometrics tool with the use of the web

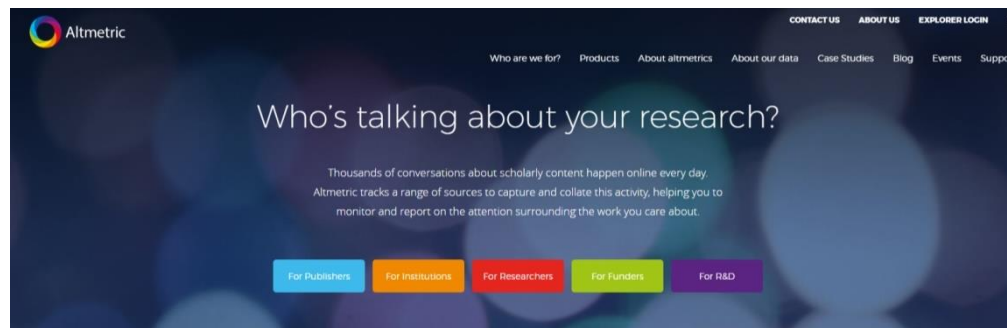
In this context, many web tools are often referred as 'social media' due to their role in supporting communication and building communities





# Altmetric.com

- Altmetric (<http://www.altmetric.com>) born as a London-based start-up founded by Euan Adie in 2011.



- The portal provides these main products:
  - Explorer for institution
  - Explorer for publisher
  - Altmetric for books
  - Altmetric Bookmarklet
  - Badges (also for repository)
- Individual users and librarians can use Altmetric.com with a free bookmarklet, while a commercial license is required in the case of publishers, funders and institutions

# Altmetric Track..More than Social Media

## News outlets

- Over 1,300 sites
- Manually curated list
- Text mining
- Global coverage

## Social media and blogs

- Twitter, Facebook, Google+, Sina Weibo
- Public posts only
- Manually curated list

## Post-publication peer review

- Publons
- PubPeer

## Reference managers

- Mendeley, CiteULike
- Reader counts
- *Don't count towards the Altmetric score*

## Other sources

- Wikipedia
- YouTube
- Reddit
- F1000
- Pinterest
- Q&A

## Policy documents

- NICE Evidence
- Intergovernmental Panel on Climate Change
- Many more...

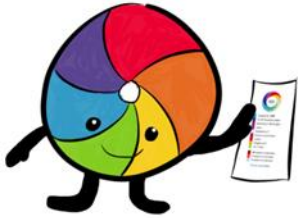


# Our Trial

The screenshot shows the Altmeter Explorer interface. At the top, the browser address bar displays the URL [https://www.altmetric.com/explorer/saved\\_searches](https://www.altmetric.com/explorer/saved_searches). The page title is "YOUR SAVED SEARCHES". A notification states: "You can save search results for quick access by clicking the 'save search' button after finding the data you are looking for. Your saved searches will be visible here." Below this, a dropdown menu is set to "Sort by: [Altmeter Attention Score (Highest first)]". The main content area displays a grid of 21 search results, each with a circular Altmeter Attention Score icon, a title, and the journal name and date.

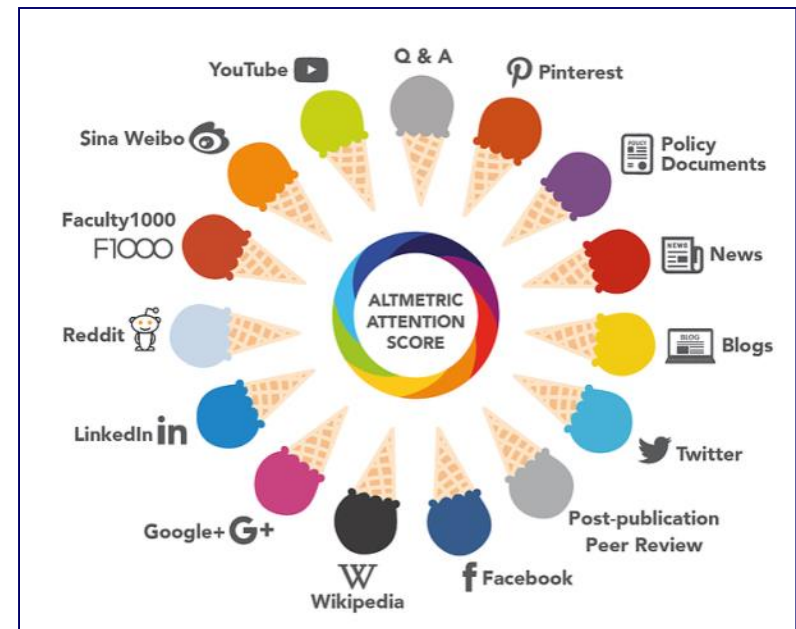
Altmeter Attention Score	Title	Journal	Date
472	Does a research group increase impact on the scientific community or general...	Journal of Pain Research	June 2016
433	Indacaterol-Glycopyrronium versus Salmeterol-Fluticasone for COPD	New England Journal of Medicine	May 2016
380	What is new in diagnosis and management of light chain amyloidosis?	Blood	January 2016
277	Specificity, cross-reactivity and function of antibodies elicited by Zika virus...	Science	July 2016
271	Extended Thromboprophylaxis with Betrixaban in Acutely Ill Medical Patients	New England Journal of Medicine	May 2016
223	Serious Asthma Events with Fluticasone plus Salmeterol versus Fluticasone Alone	New England Journal of Medicine	March 2016
149	Epigenetic profiling to classify cancer of unknown primary: a multicentre,...	Lancet Oncology	August 2016
113	Adjuvanted influenza-H1N1 vaccination reveals lymphoid signatures of age...	Nature Immunology	January 2016
96	Biomimetic proteolipid vesicles for targeting inflamed tissues	Nature Materials	May 2016
95	POPDC1S201F causes muscular dystrophy and arrhythmia by affecting protein...	Journal of Clinical Investigation	December 2015
93	First-in-Human Phase I/II Study of NEO001 in Patients With Light Chain...	Journal of Clinical Oncology	February 2016
89	The 2016 revision to the World Health Organization (WHO) classification of...	Blood	January 2016
86	Proposal for a revised definition of dilated cardiomyopathy, hypokinetic non...	European Heart Journal	January 2016
69	The Human Pancreas as a Source of Protolerogenic Extracellular Matrix Scaffold...	Annals of Surgery	November 2015
63	International Myeloma Working Group Recommendations for the Diagnosis and...	Journal of Clinical Oncology	March 2016
61	Ten situations where inferior vena cava ultrasound may fail to accurately...	Intensive Care Medicine	April 2016
59	Whey protein, amino acids, and vitamin D supplementation with physical activity...	American Journal of Clinical Nutrition	February 2016
49	Rationale, application, and clinical qualification for NT-proBNP as a surrogate...	Leukemia (08876924)	July 2016
44	EFFECT OF CURCUMIN ON CIRCULATING INTERLEUKIN-6 CONCENTRATIONS: A SYSTEMATIC...	Pharmacological Research	July 2016
43	Survival and dementia in GBA-associated Parkinson...	Annals of Neurology	September 2016
42	Lung Ultrasound for Early Diagnosis of Ventilator-Associated Pneumonia.	CHEST	February 2016





# Altmetric Donut

- The **color** and the **number** inside the donut **changes** for on each papers.
- The **colors reflect** the mix of sources on which the article was cited. For example, **blue** means it has been **tweeted**.





# Donut Details

Altmetric What is this page? Embed badge Share

## Small Amounts of Gluten in Subjects with Suspected Nonceliac Gluten Sensitivity: a Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial.

Overview of attention for article published in *Clinical Gastroenterology and Hepatology*, February 2015

**890**

About this Attention Score  
In the top 5% of all research outputs scored by Altmetric

Mentioned by  
10 news outlets  
7 blogs  
836 tweeters  
248 Facebook pages  
14 Google+ users  
12 Redditors  
1 Q&A thread  
1 video uploader

Readers on  
139 Mendeley

What is this page?

**SUMMARY** News Blogs Twitter Facebook Google+ Reddit Q&A Video

**Title** Small Amounts of Gluten in Subjects with Suspected Nonceliac Gluten Sensitivity: a Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial.  
**Published in** Clinical Gastroenterology and Hepatology, February 2015  
**DOI** 10.1016/j.cgh.2015.01.029  
**PubMed ID** 25701700  
**Authors** Antonio Di Sabatino, Umberto Volta, Chiara Salvatore, Paolo Blancheri, Giacomo Caio, Roberto De... [show]  
**Abstract** There is debate over the existence of nonceliac gluten sensitivity (NCGS) -intestinal and extra-inta... [show]

[View on publisher site](#)  
[Alert me about new mentions](#)

**TWITTER DEMOGRAPHICS** MENDELEY READERS ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of 836 tweeters who shared this research output. [Click here to find out more about how the information was compiled.](#)

1 290



# Workflow 2.0

Central database at  
the Ministry of  
Health call  
**WORKFLOW 2.0**

The screenshot shows the 'Workflow della Ricerca 2.0' web application. At the top, it features the logo of the 'Ministero della Salute' and the 'Fondazione Policlinico San Matteo' with the name 'Giampaolo Merlini'. The main title is 'WORKFLOW DELLA RICERCA 2.0'. Below this, there are navigation tabs: 'Bandi', 'Monitoraggio', 'Anagrafe progetti', and 'Ricerca corrente'. The interface is divided into a left sidebar and a main content area. The sidebar contains several sections: 'selezione' with an 'Anno' dropdown set to 2017; 'Ricerca corrente' with sub-sections for 'Programmazione', 'Rendicontazione', and 'Reportistica'; 'Menu Contestuale' with an 'Invia dati RC' button; and 'Informazioni' with a list of modules such as 'Modulo RCC-RFT', 'Modulo RCC-RSp', 'Modulo RCC-CPr', 'Modulo RCC-ApVar', 'Modulo RCC - Reiscrizione Fondi', 'Modulo RCC - Attestazione Credito', 'Modulo Richieste Reiscrizione Fondi a Bilancio', 'Modulo RC-E1', 'Modulo RC-E2', 'RF2016: Convenzione WP (NET) allegato 1', 'RF2016: Convenzione RF allegato 1', 'RF2016: Facsimili Dichiarazioni Convenzionamento', and 'Modulo RF-FIN1'. The main content area is titled 'Pubblicazioni' and displays a table with columns for 'Id', 'Titolo Pubblicazione', 'Rivista', and 'Autori'. It lists several publications related to organ transplantation and immunology, each with a count in parentheses. At the bottom of the main area, it shows '653 Elementi' and a 'Nuova pubblicazione' button. The footer of the page indicates 'Workflow 2.0 ver. 1.4 (15/12)'.

<http://ricerca.cbim.it/index.html>



# Workflow 2.0

## Article Record

**WORKFLOW DELLA RICERCA 2.0**

Bandi Monitoraggio Anagrafe progetti Ricerca corrente

seleziona Anno: 2017

Ricerca corrente

**Programmazione**  
Linee di ricerca  
Programmi  
Progetti RC

**Rendicontazione**  
Riceratori  
Pubblicazioni  
Trials clinici  
Potenzialita progetti  
DRG

**Reportistica**  
Report RC

Menu Contestuale

Invia dati RC

2018 Invia

Informazioni

**Modulistica**  
Modulo RCC-RFt  
Modulo RCC-RSp  
Modulo RCC-CPr  
Modulo RCC-ApVar  
Modulo RCC - Reiscrizione Fondi  
Modulo RCC - Attestazione Credito  
Modulo Richieste Reiscrizione Fondi a Bilancio  
Modulo RC-E1  
Modulo RC-E2  
RF2016: Convenzione WP (NET) allegato 1  
RF2016: Convenzione RF allegato 1  
RF2016: Facsimili Dichiarazioni Convenzionamento  
Modulo RF-FIN1

**Pubblicazione 3127055**

**Linea di ricerca:**  
**Progetto:**  
**Rivista:** COPD-Journal of Chronic Obstructive Pulmonary Disease  
**ISSN:** 15412555  
**Titolo breve:** COPD  
**Vol. 14 Issue 1 Pag.56-65**

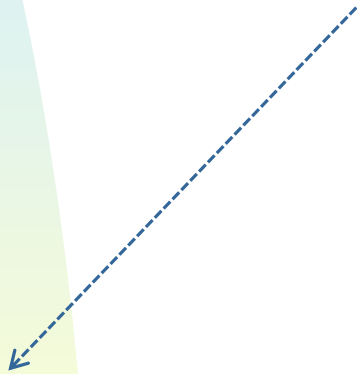
**Titolo:** Advances in Identifying Urine/Serum Biomarkers in Alpha-1 Antitrypsin Deficiency for More Personalized Future Treatment Strategies

**Anno pubblicazione:**2017  
**Cod DOI:** 10.1080/15412555.2016.1241760 [doi]  
**PMID:** 27827549  
**Autori:** Ferrarotti Ilaria, CORSICO ANGELO GUIDO, Stolk J., Ottaviani Stefania, Fumagalli M., Janciauskiene S., Iadarola P.  
**Autori ordinati alfabeticamente:** NO  
**Autori in penultima posizione come corrispondente:** NO  
**Autori in coda:**  
**Ricaduta assistenziale** SI

**Allegato**  
**Impact Factor:** 4  
**Tipo di pubblicazione:**  
**Doppia affiliazione:** NO  
**Note Doppia affiliazione:**  
**Indice di confronto:**1.06  
**Raw data:**  
**Link Scopus:**  
**Link fulltext url:** <http://dx.doi.org/10.1080/15412555.2016.1241760>

# How do we collect data?

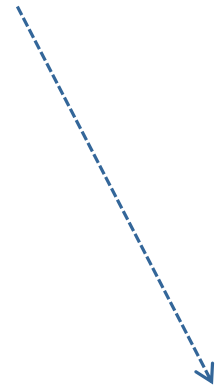
## Affiliation Research



Embase®



WEB OF SCIENCE™





# Central Database

Record in our Database (by FileMarker 11)

Usa

Titolo: Nationwide measure of variability in HCMV, EBV and BKV DNA quantification among centers involved in monitoring transplanted patients.

Fonte: J Clin Virol. 2016 Sep;82:70-83

lingua: [refresh]

area ministero sanita: ANNO 2016

AUTORI: Abbate I, Piralla A, Calvario A, Callegaro A, Giraldi C, Lunghi G, Gennari W, Sodano G, Ravanni P, Conaldi P G, Vatteroni M, Gaeta A, Paba P, Cavallo R, Baldani F, Lazzarotto T

HOME CLINICHE: MICROBIOLOGIA E VIROLOGIA

note: impactfactor 2,647

affiliazione: si

rivista roma: CLIN VIROL

da mandare a roma: volume 82, da pag 76, a pag 83, fascicolo 4

area per roma: 5 - IMMUNOLOGIA DEI TRAPIANTI. IMMUNODEPRESSIONE ED INFEZIONI - TRAPIANTOLOGIA; MALATTIE CURABILI CON TRAPIANTO

autori uniti: Abbate I, Piralla A, Calvario A, Callegaro A, Giraldi C, Lunghi G, Gennari W, Sodano G, Ravanni P, Conaldi P G, Vatteroni M, Gaeta A, Paba P, Cavallo R, Baldani F, Lazzarotto T, MCLI - Infections in Transplant Working Group (IAT)

PMID: 27487016

doi: 10.1016/j.icv.2016.07.001

wos accession number: 000386024900015

codice smatteo roma: 030 4

doppia affiliazione:  si  no

note doppia affiliazione:

Indirizzi:

Relevance Score:  si gia in scival,  da integrare si,  si e in sciv,  no gia in scival,  da integrare no,  no e in sciv

giustificazione scival:

Trasferisci

Svuota



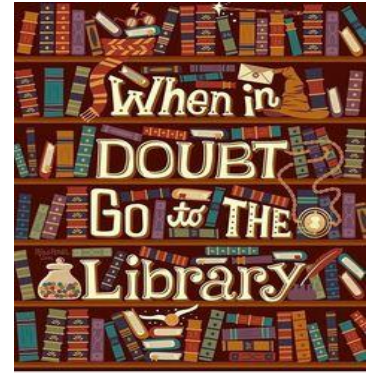
# How could we use these data?







# Our doubts...



- **How to help our researcher with this new data ?**
  - ✓ Of course with: Courses, training, help in in completing cv...
  - ✓ *something new?*
- **How how to use this data for the institution?**
  - ✓ What are the clinics that get the most citations and Almetric score?
  - ✓ Which lines of research are most attractive? (maybe for funds or grants)
  - ✓ What was the citational trend over the years of our hospital ?





# IF,DoI, PMID and WoS

FileMaker Pro - [biblio2016 maggio 2017 (Macintosh.local)]

File Modifica Visualizza Inserisci Formattazione Record Script Finestre Guida

Usa

Formato: punteggi

Record: 6

Totale: 712

Non ordinati

**ELENCO PUBBLICAZIONI 2016**

esportato campo DOI in formato.virgola --> excel --> reimport

7

da mandare a roma  
si

clim linea ricerca 1 -

Citazione wos memorizzata 2

Almetrics a

Almetrics b

Almetrics CitazioneCalcolata uri

note wos

doi pulito 10.1016/j.ahj.2016.04.013

test5 incollato  
estrai eid

test6 incollato da scival  
estrai parte eid da scival

crea eid da scival

Almetrics CitazioneCalcolata uri

Almetrics web

eid 2-s2.0-84970003979

scopus a <https://www.scopus.com/record/display.uri?eid=2-s2.0-84970003979>

scopus b <https://www.scopus.com/record/display.uri?eid=2-s2.0-84970003979>

eid manuale 2-s2.0-84970003979

eid importato

test4 costruito

<http://api.elsevier.com/content/abstract/citation-count?doi=10.1016/j.ahj.2016.04.013&httpAccept=text/html&acilKey=6492f9c867ddf3e84baa10b5971e3e3d>

Article

ANKERLON A, CLARE R M, LOKHNYGINA Y, WALLENTIN L, HELD C, VAN DE WERF F, MOLTERNO D, J. PATEL U D, LEONARDI S, ARMSTRONG P W, HARRINGTON R A, WHITE H D, AYLWARD P E, MAHFFEY K W, TRICOCI P:  
ALBUMINURIA AND CARDIOVASCULAR EVENTS IN PATIENTS WITH ACUTE CORONARY SYNDROMES: RESULTS FROM THE TRACER TRIAL.  
AM HEART J. 2016 AUG;176:14

impactfactor 4.332

wos accession number 000381590300001

PMID 27502846

Doi 10.1016/j.ahj.2016.04.013

Api from Altmetric.com

Gateway from Wos

Scopus Eid Manually or imported from Scival

Api from Elsevier

# ALL Metrics

## ELENCO PUBBLICAZIONI 2016

esportato campo DOI in formato.virgola --> excel --> reimporta

21

da mandare a roma  
 obim\_linea\_ricerca 3 -  
 Citazione wos memorizzata 794

altmetrics\_a

altmetrics\_b

Altmetrics\_CitazioneCalcolata uri

nprogr\_anno 21-2016

```
{
  "title": "The 2016 revision to the World Health Organization (WHO) classification of myeloid neoplasms and acute leukemia",
  "doi": "10.1182/blood-2016-03-"
}
```

note wos  
 doi pulito 10.1182/blood-2016-03-643544

- a <http://gateway.isiknowledge.com/gateway/Gateway.cgi?>
- b 000378333900009
- c &DestApp=WOS
- d <http://gateway.isiknowledge.com/gateway/Gateway.cgi?>

test5\_incollato  
 estral\_eid  
 test5\_incollato\_da\_scival  
 estral\_parte\_eid\_da\_scival  
 crea\_eid\_da\_scival

Altmetrics\_CitazioneCalcolata uri

altmetrics\_web

eid 2-s2.0-84974560145  
 scopus\_a [https://www.scopus.com/record/display.uri?eid=](https://www.scopus.com/record/display.uri?eid=2-s2.0-84974560145)  
 scopus\_b [https://www.scopus.com/record/display.uri?eid=2-s2.0-](https://www.scopus.com/record/display.uri?eid=2-s2.0-84974560145)  
 eid manuale  
 eid importato 2-s2.0-84974560145

### Article

ABERER D A, ORAZI A, HASSERLIAN R, THELE J, BOROWITZ M J, LE BEAU M M, BLOOMFIELD C D, CAZZOLA M, VARDIMAN J W  
 THE 2016 REVISION TO THE WORLD HEALTH ORGANIZATION CLASSIFICATION OF MYELOID NEOPLASMS AND ACUTE LEUKEMIA  
 BLOOD. 2016 MAY 19;127(20):2091-405

test4\_costruito  
[http://api.elsevier.com/content/abstract/citation-count?](http://api.elsevier.com/content/abstract/citation-count?doi=10.1182/blood-2016-03-643544&httpAccept=text/html&apiKey=6492f9c867df3e84baa10b597)  
 doi=10.1182/blood-2016-03-643544&httpAccept=text/html&apiKey=6492f9c867df3e84baa10b597

impactfactor  
 11.847

eid 2-s2.0-84974560145  
 wos accession number 000378333900009  
 PMID 27069254  
 Doi 10.1182/blood-2016-03-643544

CitazioneCalcolata 899

Altmetrics\_CitazioneCalcolata Score

Scopus\_CitazioneCalcolata Score

AUTHENTICATION\_ERRORInvalid API Key

Citazione wos memorizzata 794  
 DataAggiornamento 1-09-2017  
 tot citazioni 1514

Citazione altmetrics memorizzate 85  
 DataAggiornamento altmetrics  
 tot citazioni altmetrics 2570

Citazione scopus memorizzata 842  
 DataAggiornamento scopus  
 tot citazioni scopus 1451



# ALL Metrics

1 of 1

### Citation Network

In Web of Science Core Collection

**899** Times Cited

Highly Cited Paper

Hot Paper

Create Citation Alert

CitazioneCalcolata 899

Citazione wos memorizzata 794

DataAggiornamento 1-09-2017

tot citazioni 1514

### Classification of myeloid neoplasms and acute leukemia

Overview of attention for article published in Blood, January 2016

89

Altmetrics\_CitazioneCalcolata Score 89

Citazione altmetrics memorizzate 85

DataAggiornamento altmetrics

tot citazioni altmetrics 2570

### Metrics

View all metrics >

972 Citations in Scopus

99th Percentile

90.53 Field-Weighted Citation Impact

Scopus\_CitazioneCalcolata Score 972

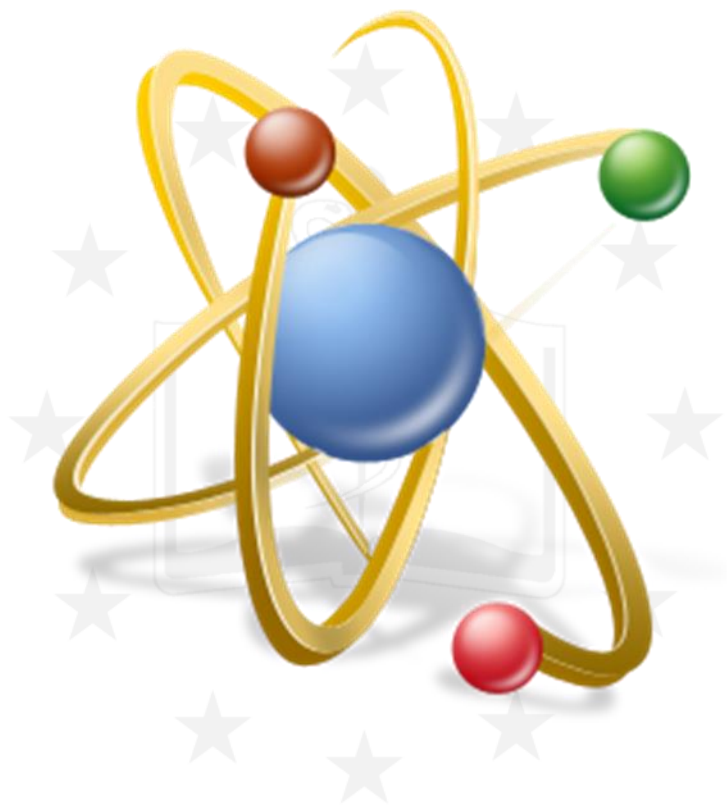
Citazione scopus memorizzate 842

DataAggiornamento scopus

tot citazioni scopus 1451



# Correlation





# Statistical Analysis

- We collected the scientific production of the years **2011 -2016** of our hospital;
- We retrivied citations for each publication through Web Of Science and Scopus (citation received for each articles);
- Through the PMID and the DoI of each publication, we obtained each one's score on Almetrics.com;
- We launched the database update in early May



# Global Score

## Global Score 2011-2016 for year

anno	n.	Impact factor	citazioni wos	citazioni scopus	altmetrics score
2011	568	2.739,964	22.523	22.647	922
2012	645	3.045,352	17.461	8.594	1.234
2013	617	3.400,921	20.253	16.281	3.356
2014	634	2.872,156	12.522	12.462	2.777
2015	610	2.903,494	8.469	7.353	3.839
2016	642	3.458,768	5.711	5.594	4.662
<b>Totall</b>	<b>3.716</b>	<b>18.420,655</b>	<b>86.939</b>	<b>72.931</b>	<b>16.790</b>



# Score for operative units

## SCORE 2011-16 FOR OPERATIVE UNITS

	n.	Impact factor	citazioni woe	citazioni scopus	statistica score
PAINT THERAPY	7	80,19	80	65	828
INTERNAL MEDICINE 2° AND VASCULAR AND METABOLIC DISEASES	184	641,888	2.706	2.129	435
INTERNAL MEDICINE 1° AND ONCOLOGY MEDICINE	195	1.031,825	3.704	3.538	1.646
INTERNAL MEDICINE 3°	133	680,461	3.118	2.687	269
HOSPITAL OF BELGIOIOSO	2	4,082	32	24	2
DERMATOLOGIC CLINIC	80	143,292	314	229	51
CLINICAL INFECTIOUS DISEASES	104	322,373	915	595	105
PEDIATRIC CLINIC	255	724,813	2.103	1.642	273
CARDIOLOGY DIVISION	141	977,045	3.902	3.201	711
HEMATOLOGY DIVISION	344	2.864,479	17.287	13.028	1.716
NEONATAL PATHOLOGY DIVISION	116	340,273	1.485	1.231	396
CLINICAL DISEASES RESPIRATORY SYSTEM	145	730,551	2.329	2.034	1.418
GENERAL SURGERY 1	64	214,529	877	797	139
GENERAL SURGERY 2	33	94,479	354	173	33
VASCULAR SURGICAL CLINIC	21	98,336	808	622	83
NEUROSURGERY CLINIC	26	79,538	219	166	258
OCULISTIC CLINIC	30	79,542	263	174	34
OPERATING UNIT OF HOSPITAL DENTISTRY	1	1,858	11	14	
ORTHOPEDIC CLINIC	28	83,406	260	303	22
OBSTETRICAL-GYNECOLOGICAL CLINIC	106	366,608	957	780	96
OTORINOLARINGOIATRIC CLINIC	89	145,991	434	354	47
CARDIO-SURGERY DIVISION	77	402,607	1.737	1.217	201
PEDIATRIC DIVISION	29	82,406	158	101	80
UROLOGY DIVISION	10	23,979	135	106	6
PHARMACOLOGY DEPARTMENT	35	130,445	432	237	56
INSTITUTE OF PATHOLOGICAL ANATOMY	190	814,963	3.927	3.328	326
INSTITUTE OF RADIOLOGY	85	218,138	1.864	1.678	59
CHEMICAL-CLINICAL ANALYSIS SERVICE	80	194,429	675	494	103
RADIOLOGIC SERVICE	28	75,884	259	295	9
ONCOLOGICAL RADIOTHERAPY SERVICE	15	31,073	80	63	7
RECOVERY SERVICE AND FUNCTIONAL RE-EDUCATION	21	54,949	119	82	31
SERVICE ANESTHESIA AND INTENSIVE CARE 1	101	582,685	2.802	1.683	1.253
SERVICE ANESTHESIA AND INTENSIVE CARE 2	39	206,828	852	770	286
HEALTH MANAGEMENT	88	315,717	1.103	963	539

INFECTIVE AND TROPICAL DISEASES	148	549,673	2.835	2.310	288
MICROBIOLOGY AND VIROLOGY	198	783,671	2.815	2.182	590
NEFROLOGY AND DIALYSIS AND TRANSPLANTATION UNITS	74	211,656	718	636	367
UNITA' CORONARICA	197	1.559,42	7.801	8.484	1.536
RHEUMATOLOGY SERVICE	181	867,096	3.405	3.198	588
HEALTH PHYSICS	14	38,191	67	58	
SCIENTIFIC DIRECTION	401	1.548,971	5.588	4.201	1.340
IMMUNOEMATOLOGY AND TRANSFUSION SERVICE	89	350,342	1.297	1.070	136
ACCEPTANCE SERVICE AND E.R	3	4,744	43	30	4
SERVICE ANESTHESIA AND INTENSIVE CARE 3	1	2,818	13	12	
UNITS OPERATIONAL PEDIATRIC ONCOLOGY	141	653,775	2.258	1.788	212
OPERATING UNIT OF TROMBOEMBOLIC DISEASES	14	361,432	5.683	7.061	1.397
8th MEDICINE AND INTERVENTION ECOGRAPHY	19	77,352	237	262	6
OPERATIVE UNIT OF DIGESTIVE ENDOSCOPY	18	65,503	373	368	17
MEDICAL GENETIC UNITS	28	97,891	239	204	30
RESEARCH CENTER FOR MEDICALLY ASSISTED PROCREATION	79	199,802	1.330	1.543	291
NUCLEAR MEDICINE	8	13,819	7	9	4
AUDIOLOGY RESEARCH CENTER	38	77,11	188	172	28
MEDICAL ONCOLOGY	183	879,246	4.199	3.221	450
LAB. TRAPIANTOLOGICAL AREA	125	779,683	3.437	2.055	460
LAB. INFECTIOLOGICAL AREA	33	207,511	782	598	73
LAB. TECNOL.BIOMED. AND BIOTECHNOLOGIES	316	1.829,624	8.569	7.375	1.352
LAB. MEDICAL INFORMATICS AND MANAGEMENT MODES	55	388,904	2.944	2.749	35
<b>Total</b>	<b>5.133</b>	<b>24.345,878</b>	<b>110.344</b>	<b>92.348</b>	<b>20.522</b>



# SCORE RESEARCH LINES 2011-16

## LIST OF PUBLICATIONS FROM 2011 TO 2016 FOR RESEARCH LINES

	n. article	impact factor	wos citations	scopus citation	altmetrics score
1 - TRANSPLANT OF THORACIC ORGANS AND INVALIDATING DISEASES OF HEART AND LUNGS - TRANSPLANTATION: CURABLE DISEASES WITH TRANSPLANTATION OF ORGANS, TISSUES AND CELLS	497	3.180,215	14.614	13.528	2.930
2 - TRANSPLANT OF ABDOMINAL ORGANS AND INVALIDATING DISEASES OF LIVER, RENE, PANCREAS AND BOWEL- TRANSPLANTATION: CURABLE DISEASES WITH TRANSPLANT OF ORGANS, TISSUES AND CELLS	224	782,103	3.506	3.240	251
3 - TRANSPLANT OF BONE MARROW OR STEM CELLS AND HEMATOLOGICAL, IMMUNOLOGICAL AND ONCOLOGICAL DISEASES - TRANSPLANTATION: CURABLE DISEASES WITH ORGAN TRANSPLANTATION, FABRICS AND CELLS	458	3.462,882	19.165	16.059	2.115
4 - REPAIR MEDICINE OF ORGANS AND TISSUES. STAMINA CELLS. DIAGNOSTICS AND CELLULAR THERAPY - TRANSPLANTATION: CURABLE DISEASES WITH TRANSPLANT OF ORGANS, TISSUES AND CELLS	193	795,509	2.655	2.249	646
5 - IMMUNOLOGY OF TRANSPLANTS. IMMUNODEPRESSION AND INFECTIONS - TRAPYTOLOGY: CURABLE DISEASES WITH TRANSPLANT OF ORGANS, TISSUE AND CELLS	255	898,648	3.102	2.008	303
6 - CHRONIC DISEASES ON THE EIMMUNOINFETTIVE IMMUNE VALUE. IMMUNOTHERAPY - HIGH BIOMEDICAL AND TECHNOLOGICAL COMPLEXITY DISEASES	510	2.358,253	9.559	8.372	3.069
7 - DISEASES FROM ALTERED CONFORMATION AND PROTEIN OR GENETIC EXPRESSION. MODELS OF DISEASE - HIGHLY COMPLEX, BIOMEDICAL AND TECHNOLOGICAL COMPLEX DISEASE	324	1.787,157	7.071	5.707	2.078
8 - INNOVATIVE AND HIGH TECHNOLOGICAL DEMANDS: ARTIFICIAL ORGANS; MINI-INVASIVE OR ROBOTIC INTERVENTION; MEDICAL APPLICATIONS OF HIGH ENERGY PARTICLES - HIGHLY COMPLEX BIOMEDICAL AND TECHNOLOGICAL COMPLEX DISEASES	361	1.409,886	5.951	4.066	906
9 - DIAGNOSTIC, PROGNOSTIC AND INTEGRATED THERAPYUTIC EVALUATION AND INTERDISCIPLINARY MANAGEMENT OF HIGHLY COMPLEX BIOMEDICAL DISEASES - HIGHLY COMPLEX AND BIOLOGICAL AND TECHNOLOGICAL COMPLEX DISEASES	894	3.746,002	21.326	17.702	4.492
Totals	3.716	18.420,655	86.939	79.931	16.790





# SCORE RESEARCH LINES 2016

## LIST OF 2016 PUBLICATIONS FOR RESEARCH LINE

	Impact factor	citazioni woe	citazioni scopus	altmetrics score
<b>1 - TRANSPLANT OF THORACIC ORGANS AND INVALIDATING DISEASES OF HEART AND LUNGS - TRANSPLANTATION: CURABLE DISEASES WITH TRANSPLANTATION OF ORGANS, TISSUES AND CELLS</b>	655,221	852	871	903
<b>2 - TRANSPLANT OF ABDOMINAL ORGANS AND INVALIDATING DISEASES OF LIVER, RENE, PANCREAS AND BOWEL- TRANSPLANTATION: CURABLE DISEASES WITH TRANSPLANT OF ORGANS, TISSUES AND CELLS</b>	164,017	180	171	73
<b>3 - TRANSPLANT OF BONE MARROW OR STEM CELLS AND HEMATOLOGICAL, IMMUNOLOGICAL AND ONCOLOGICAL DISEASES - TRANSPLANTATION: CURABLE DISEASES WITH ORGAN TRANSPLANTATION, FABRICS AND CELLS</b>	572,701	1461	1505	527
<b>4 - REPAIR MEDICINE OF ORGANS AND TISSUES. STAMINA CELLS. DIAGNOSTICS AND CELLULAR THERAPY - TRANSPLANTATION: CURABLE DISEASES WITH TRANSPLANT OF ORGANS, TISSUES AND CELLS</b>	188,754	192	217	160
<b>5 - IMMUNOLOGY OF TRANSPLANTS. IMMUNODEPRESSION AND INFECTIONS - TRAPYTOLOGY: CURABLE DISEASES WITH TRANSPLANT OF ORGANS, TISSUE AND CELLS</b>	103,075	174	138	32
<b>6 - CHRONIC DISEASES ON THE EIMMUNOINFETTIVE IMMUNE VALUE. IMMUNOTHERAPY - HIGH BIOMEDICAL AND TECHNOLOGICAL COMPLEXITY DISEASES</b>	466,059	677	544	777
<b>7 - DISEASES FROM ALTERED CONFORMATION AND PROTEIN OR GENETIC EXPRESSION. MODELS OF DISEASE - HIGHLY COMPLEX, BIOMEDICAL AND TECHNOLOGICAL COMPLEX DISEASE</b>	381,824	734	738	670
<b>8 - INNOVATIVE AND HIGH TECHNOLOGICAL DEMANDS: ARTIFICIAL ORGANS; MINI-INVASIVE OR ROBOTIC INTERVENTION; MEDICAL APPLICATIONS OF HIGH ENERGY PARTICLES - HIGHLY COMPLEX BIOMEDICAL AND TECHNOLOGICAL COMPLEX DISEASES</b>	181,072	264	230	155
<b>9 - DIAGNOSTIC, PROGNOSTIC AND INTEGRATED THERAPYUTIC EVALUATION AND INTERDISCIPLINARY MANAGEMENT OF HIGHLY COMPLEX BIOMEDICAL DISEASES - HIGHLY COMPLEX AND BIOLOGICAL AND TECHNOLOGICAL COMPLEX DISEASES</b>	746,045	1177	1180	1365
<b>TOTALS</b>	<b>  3458,76</b>	<b>  5711</b>	<b>  5594</b>	<b>  4662</b>

# For researchers !



## List of publications for 2016

### 1 - TRANSPLANT OF THORACIC ORGANS AND INVALIDATING DISEASES OF THE HEART AND LUNGS TRANSAPTOLOGY: CURABLE DISEASES WITH TRANSPLANTATION OF ORGANS, FABRICS AND CELLS



Impact factor citations was citations scopus altmetric score

AHMADI A, STONE G W, LEIPSC J, SHAW L J, VILLINES T C, KERN M J, HECHT H, ERLINGE D, BEN YEHUDA D, MAHARA A, ARBUSTINI E, SERRUYS P, GARCIA-GARCIA H M, NARULLA J. PROGNOSTIC DETERMINANTS OF CORONARY ATHEROSCLEROSIS IN STABLE ISCHEMIC HEART DISEASE: ANATOMY, PHYSIOLOGY, OR MORPHOLOGY? CIRC RES. 2016 JUL 8;119(2):317-29	11,551	8	8	3
AKERBLOM A, CLARE R M, LOKHNYGINA Y, WALLENTIN L, HELD C, VAN DE WERF F, MULTERED D J, PATEL U D, LEONARDI S, ARMSTRONG P W, HARRINGTON R A, WHITE H D, AYLWARD P E, MAHAFFEY K W, TRICOCI P. ALBUMINURIA AND CARDIOVASCULAR EVENTS IN PATIENTS WITH ACUTE CORONARY SYNDROMES: RESULTS FROM THE TRACER TRIAL. AM HEART J. 2016 AUG;178:1-8	4,302	2	2	
ARBUSTINI E, FAVALLI V, NARULLA N, SERIO A, GRASSO M. LEFT VENTRICULAR NONCOMPRESSION: A DISTINCT GENETIC CARDIOMYOPATHY? J AM COLL CARDIOL. 2016 AUG 30;68(9):245-6	17,759	26	23	
ARBUSTINI E, KODAMA T, PRATI F. SIMILAR PLAQUE COMPOSITION IN MEN AND WOMEN WITH STABLE CAD. JACC CARDIOVASC IMAGING. 2016 APR;9(4):408-10	7,815	0	0	7
BADAGLIACCA R, POSCIA R, PEZZUTO B, PAPA S, PESCE F, MANZI G, GIANNETTA E, RAINERI C, SCHINA M, SCIMMER S, PAROLA D, FRANCONI M, CARBONE I, FEDELE F, VIZZA C D. RIGHT VENTRICULAR CONCENTRIC HYPERTROPHY AND CLINICAL WORSENING IN DOPHANTHROPY-PULMONARY ARTERIAL HYPERTENSION. J HEART LUNG TRANSPLANT. 2016 NOV;35(11):1321-1329	7,509	3	2	1
BALDI E, SAVASTANO S, CANEVARI F, RAIMONDI M, PAVIA CARC RESEARCHERS: WHEN AN OLD PACEMAKER BECOMES A NEW AUTOMATED EXTERNAL DEFIBRILLATOR: A CASE FROM THE PAVIA CARE (CARDIAC ARREST REGISTRY). RESUSCITATION. 2016 JAN;36:E10-1	5,414	0	0	1
BARCO S, WHITNEY CHEUNG Y, COPPENS M, HUITTEN BA, WENERS J G, MIDDELDOORN S. IN VIVO REVERSAL OF THE ANTI-THROMBIN EFFECT OF RIVAROXABAN WITH FOUR-FACTOR PROTHROMBIN COMPLEX CONCENTRATE. BR J HAEMATOL. 2016 JAN;170(2):255-61	5,812	8	12	
BOHULA EA, BONACA N P, BRAUNMUND E, AYLWARD P E, CORBALAN R, DE FERRARI G M, HE P, LEWIS B S, MERLINI P A, MURPHY S A, SABATINI M S, SCORICA B M, MORROW D A. ATHEROTHROMBOTIC RISK STRATIFICATION AND THE EFFICACY AND SAFETY OF VORAPAXAR IN PATIENTS WITH STABLE ISCHEMIC HEART DISEASE AND PREVIOUS MYOCARDIAL INFARCTION. CIRCULATION. 2016 JUL 26;134(4):304-13	17,202	20	19	12
CANNI S, LICATA A, CANNI D, RISPOLI A, BARALDI E, CALABRESE F, MARSELLA G L. NEUROENDOCRINE CELL HYPERPLASIA OF INFANCY: AN UNUSUAL CAUSE OF HYPOXEMIA IN CHILDREN. ITAL J PEDIATR. 2016 SEP 15;42(1):84	1,614	2	1	
CAMPO I, LUISSETTI M, GRIESE M, TRAPNELI B C, BONELLA F, GRUITTERS J C, NAKATA K, VAN MOORSSEL C H, COSTABEL U, COTTIN V, ICHIHATA T, INCLUE Y, BRASCHI A, BONIZZONI G, KOTTI G A, TINELLI C, ROZI G, WIL. INTERNATIONAL STUDY GROUP. WHOLE LUNG LAVAGE THERAPY FOR PULMONARY ALVEOLAR PROTEINOSIS: A GLOBAL SURVEY OF CURRENT PRACTICES AND PROCEDURES. ORPHANET J RARE DIS. 2016 AUG 31;11(1):1-15	3,29	9	12	2

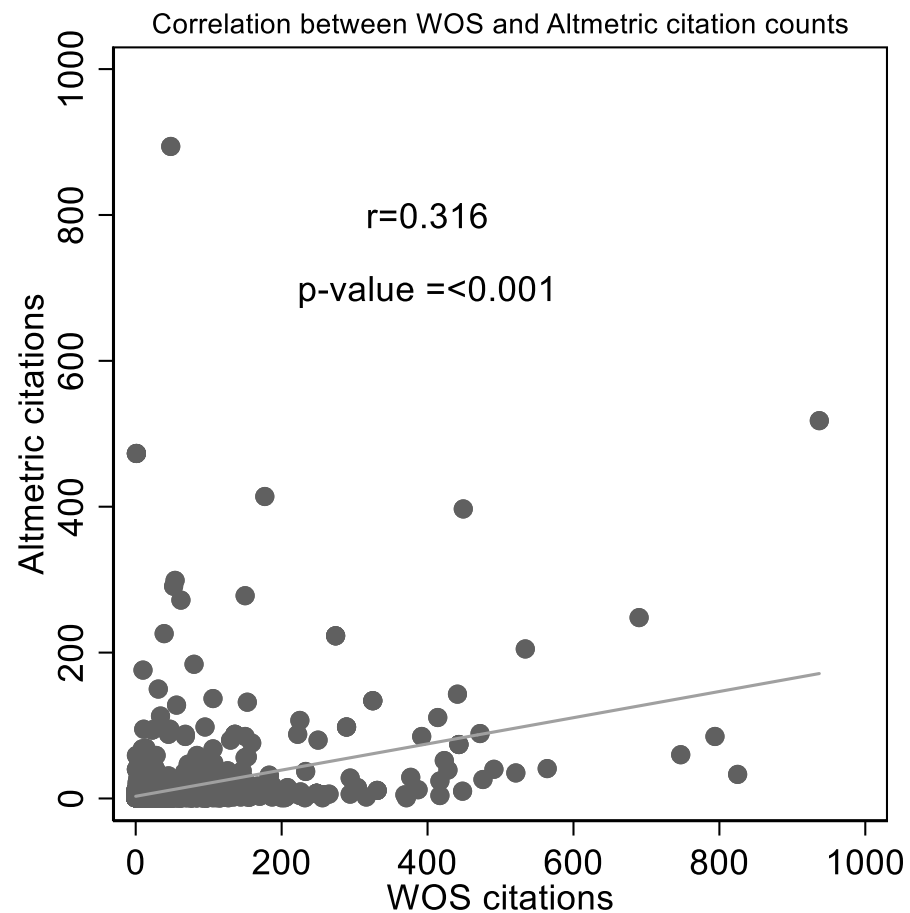
CAMPO I, LUISSETTI M, GRIESE M, TRAPNELI B C, BONELLA F, GRUITTERS J C, NAKATA K, VAN MOORSSEL C H, COSTABEL U, COTTIN V, ICHIHATA T, INCLUE Y, BRASCHI A, BONIZZONI G, KOTTI G A, TINELLI C, ROZI G, WIL. INTERNATIONAL STUDY GROUP. A GLOBAL SURVEY ON WHOLE LUNG LAVAGE IN PULMONARY ALVEOLAR PROTEINOSIS. CHEST. 2016 JUL;150(1):251-3	6,138	4	6	
CAVENDER M A, BHATT D L, STONE G W, WHITE H D, STEG P G, GIBSON C M, HAMM C W, PRICE M J, LEONARDI S, PRATS J, DELIAGYRIS E N, MAHAFFEY K W, HARRINGTON R A. CHAMPION PHOENIX INVESTIGATORS' CONSISTENT REDUCTION IN PERIPROCEDURAL MYOCARDIAL INFARCTION WITH CANGRELOR AS ASSESSED BY MULTIPLE DEFINITIONS: FINDINGS FROM CHAMPION PHOENIX (CANGRELOR VERSUS STANDARD THERAPY TO ACHIEVE OPTIMAL MANAGEMENT OF PLATELET INHIBITION). CIRCULATION. 2016 SEP 6;134(10):233-8	17,202	6	7	
CIPRIANI M, LANDOLINA M, OLIVA F, GHIO S, VARGIUS S, RORDORF R, RAINERI C, AMIRATI E, PETRACCI E, CAMPO C, BISETTI S, LUNATI M. WOMEN WITH NONISCHEMIC CARDIOMYOPATHY HAVE A FAVORABLE PROGNOSIS AND A BETTER LEFT VENTRICULAR REMODELING THAN MEN AFTER CARDIAC RESYNCHRONIZATION THERAPY. J CARDIOVASC MED (HAGERSTOWN). 2016 APR;17(4):291-6	1,858	5	3	1
CIPRIANI M, LUNATI M, LANDOLINA M, PROCLEMER A, BIORIANI G, RICCI RP, RORDORF R, MATTASSINI MV, PADELETTI L, IACOPINO S, MOLON G, PEREGO GB, GASPARINI M, ITALIAN CLINICAL SERVICE PROJECT INVESTIGATORS. PROGNOSTIC IMPLICATIONS OF MITRAL REGURGITATION IN PATIENTS AFTER CARDIAC RESYNCHRONIZATION THERAPY. EUR J HEART FAIL. 2016 AUG;18(8):1090-6	5,135	4	4	7
COSTA F, ADAMO M, ARIOTTI S, FERRANTE G, NAVARESE E P, LEONARDI S, GARCIA-GARCIA H, VRSANCKO P, VALDIGEMMI M. LEFT MAIN OR PRIMARY LEFT ANTERIOR DESCENDING CORONARY ARTERY DISEASE LOCATION IDENTIFIES HIGH-RISK PATIENTS DERIVING POTENTIALLY GREATER BENEFIT FROM PROLONGED DUAL ANTIPLATELET THERAPY DURATION. EUROINTERVENTION. 2016 FEB;11(11):E122-30	3,983	4	6	
D'ARMI AM, MOROSOLINI M, MATTIUCCI G, GRAZZIOLI V, PIN M, SCIORTINO A, ARBUSTINI E, GOGGI C, VIGANO M. CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: FROM TRANSPLANTATION TO DISTAL PULMONARY ENDOTSECTOMY. J HEART LUNG TRANSPLANT. 2016 JUN;35(6):827-31	7,509	2	2	2
DELGROUX M, LANG I, PERKEZABA J, JANSA P, D'ARMI AM, SNIDER R, BRESSER P, TORBICI A, MELLEBAEGER S, LEWICKI J, SIBONDI J, BARBERA JA, DE FERROT M, HOEPIER MM, GAINE S, SPEICH R, GOMEZ-GANCHEZ MA, NOVACS G, JAIS X, AMBROZ D, TREACY C, MOROSOLINI M, JENKINS D, LINDNER J, DARTVEILLE P, MAYER E, SIMONNEAU G. LONG-TERM OUTCOME OF PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION RESULTS FROM AN INTERNATIONAL PROSPECTIVE REGISTRY. CIRCULATION. 2016 MAR 1;133(9):259-71	17,202	45	58	31
DI CARLO S, ROSSI E, POLITANO G, INGHELLERI S, MORBINI P, CALABRESE F, BENSO A, SAVINO A, COVA E, ZAMPIERO, MELONI F. IDENTIFICATION OF MIRNAS POTENTIALLY INVOLVED IN BRONCHITIS OBLITERANS SYNDROME: A COMPUTATIONAL STUDY. PLOS ONE. 2016 AUG 26;11(8):e0161771	3,057	1	2	11
DINI F L, CARLUCCIO E, SIMONICU A, BAGIOLI P, REBOLDI G, GALEOTTI G G, RAINERI C, GARGANI L, SCIELI L, MANDOLI G E, CANNITO A, ROSSI A, TEMPORIELLO P L, GHIO S. NETWORK LOSS IN TRANSPLANT INSULIN IN HEART FAILURE STUDY GROUP. RIGHT VENTRICULAR RECOVERY DURING FOLLOW-UP IS ASSOCIATED WITH IMPROVED SURVIVAL IN PATIENTS WITH CHRONIC HEART FAILURE WITH REDUCED EJECTION FRACTION. EUR J HEART FAIL. 2016 DEC;18(12):1462-1471	5,135	3	4	
DISERTORI M, MASE M, NARULLA N, MAZZOLA S, DAL PIAZ EC, QUINARELLI S, CRISTOFORETTI A, MARINI M, RAVELLI F, ARBUSTINI E. ATRIAL FIBRILLATION AND NPV4 GENE P.564T MUTATION: ARE CARDIOLOGISTS HELPLESS SPECTATORS OF HEALTHY MUTATION CARRIERS? J CARDIOVASC MED (HAGERSTOWN). 2016 MAR;17(3):177-80	1,858	1	1	1
DUSI V, GHIDONI A, RAVERA A, DE FERRARI G M, CALVILLO L. CHEMOKINES AND HEART DISEASE: A NETWORK CONNECTING CARDIOVASCULAR BIOLOGY TO IMMUNE AND AUTONOMIC NERVOUS SYSTEMS. MEDIATORS INFLAMM. 2015;2015:5920947	3,418	0	5	
ESPOSITO S, ZAMPIERO A, BIANCHINI S, MORI A, SCALA A, TAGLIABUE C, SCIARRABBA C S, FOSSALI E, PIRALLA A, PRINCIPI N. EPIDEMIOLOGY AND CLINICAL CHARACTERISTICS OF RESPIRATORY INFECTIONS DUE TO ADENOVIRUS IN CHILDREN LYING IN MILAN, ITALY, DURING 2010 AND 2014. PLOS ONE. 2016 APR 5;11(4):e0152375	3,057	1		

DAVAGNA L, COUDOU L V, GHIO S, SCIRE CA, GUZZAFAME E, SCIELI L, ROSSI S, RIZZOLOTTI C, CARPENTIERI A. UNDESCRIBED CONNECTIVE TISSUE DISEASES: HIGH PREVALENCE IN PULMONARY ARTERIAL HYPERTENSION PATIENTS. MEDICINE (BALTIMORE). 2016 SEP;95(9):548-7	2,133	1	2	2
WEDZICHA JA, BANERJI D, CHAPMAN KR, VESTRO J, ROCHE N, AYERS RT, THACH G, FOGEL R, PATALANO F, VOGELMEIER CF, AND CERVERI I FOR FLAME INVESTIGATORS. INACATEROL-GLYCOPHYLLONIUM VERSUS SALMETEROL-FLUTICASONI FOR COPD. N ENGL J MED. 2016 JUN 9;374(24):2232-34	59,558	177	205	414
CONTOLI M, SOLDORO P, DI MARCO F, SOCHOLONE N, CORSICO A, BRAIDO F, SANTUS P. EFFECTS OF ACILDINILUM ON DETERMINANTS OF COPO SEVERITY: SYMPTOMS AND QUALITY OF LIFE. INT J CHRON OBSTRUCT PULMON DIS. 2016 DEC 5;11:2043-3060	3,048	1	1	1
LOMBARDI C, RAFFETTI E, CAMINATI M, LOCARDI G, PASSALACQUA G, RECCARDINI F, RUCIOLD E, SENNA G, STEINHEBER G, MILANESE M, AND CORSICO AG FOR ELISA STUDY GROUP. PHENOTYPING ASTHMA IN THE ELDERLY: ALLERGIC SENSITIZATION PROFILE AND UPPER AIRWAYS COMORBIDITY IN PATIENTS OLDER THAN 65 YEARS. ANN ALLERGY ASTHMA IMMUNOL. 2016 MAR;116(3):206-11	3,475	6	8	15
MONTIELLA S, BARALDI E, CAZZATO S, ARALLA R, BERARDI M, BRUNETTI LM, CARDONALE F, CUTRERA R, DE BENEDETTIS FM, DI PALMO E, DI PILLO S, FENU G, LA GRUTTA S, LOMBARDI E, PACENTINI G, SANTAMARIA F, ULLMANN N, RUSCONI F. ITALIAN PEDIATRIC SEVERE ASTHMA NETWORK (IPSAN) ON BEHALF OF THE ITALIAN SOCIETY OF PEDIATRIC RESPIRATORY DISEASES (SMRP). SEVERE ASTHMA FEATURES IN CHILDREN: A CASE-CONTROL ONLINE SURVEY. ITAL J PEDIATR. 2016 JAN 22;42:9	1,614	5	4	13
LATB A, ANCONA MB, FERRI L, MONTORFANO M, MANGIERI A, REGAZZOLI D, GIANNINI F, MORAICO F, GILO D, DE SERRES S, ALPERI G, COLOMBO A, AGRICOLA E. PERCUTANEOUS DIRECT ANNILOPLASTY WITH CARBOGAND TO TREAT RECURRENT MITRAL REGURGITATION AFTER MITRAL CLIP IMPLANTATION. JACC CARDIOVASC INTERV. 2016 SEP 26;9(10):E191-2	7,83	6	6	
SERIO A, FAVALLI V, GIULIANI L, NARULLA N, GRASSO M, BORRONI RG, BERTHERAT J, PEISSEL B, MANOUKIAN S, ARBUSTINI E. CARDIO-ONCOLOGY: THE CARNAY COMPLEX TYPE1. J AM COLL CARDIOL. 2016 OCT 25;68(17):1621-1629	17,759	0	0	9
GRASNER JT, LEFFNER G, KOSTER RW, MASTERSON S, BOTTIGER BW, HERLITZ J, WNIENT J, TJELMELOAND E, ORTIZ FR, MALPER R, BAUBIN N, MOLS P, HADZIBEGOVIC I, IOANNIDES M, SULLIVAN R, WESSEBERG M, GALD A, HUBERT H, NIKOLJIC M, LOCCI G, SVAVARSDDOTTIR H, SEMERAD F, WRIGHT PJ, CLARENS C, PULIS R, CIBLLA G, CORREIA VG, COMPOSES D, RAFFAY V, TREMLER S, MARKOTA A, STROMSCOE A, BURKART R, PERKINS GO, BOSSAERT LL, AND SAVASTANO S FOR EURICA ONE COLLABORATORS. EURICA ONE-27 NATIONS, ONE EUROPE, ONE REGISTRY: A PROSPECTIVE ONE MONTH ANALYSIS OF OUT-OF-HOSPITAL CARDIAC ARREST OUTCOMES IN 27 COUNTRIES IN EUROPE. RESUSCITATION. 2016 AUG;105:189-95	5,414	62		25
PICA S, BALLESTRERO G, PISTIS G, CRIMI G. ACUTE STENT THROMBOSIS UNVEILS TWO ELECTROCARDIOGRAM PATTERNS IN A PATIENT WITH DE WINTER T WAVES ANTERIOR MYOCARDIAL INFARCTION. EUR HEART J. 2016 SEP 14;37(35):2735	15,064	0	0	
TAVAZZI G, VIA G, BRASCHI A, PRICE S. AN 80-YEAR OLD WOMAN WITH ONGOING DYSPNOEA. CHEST. 2016 JUL;150(1):E1-11	6,138	1	1	

Total: 165,221 852 871 903



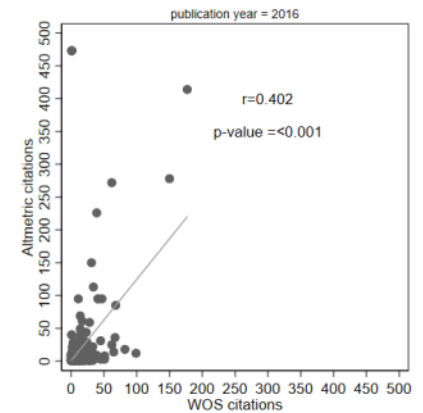
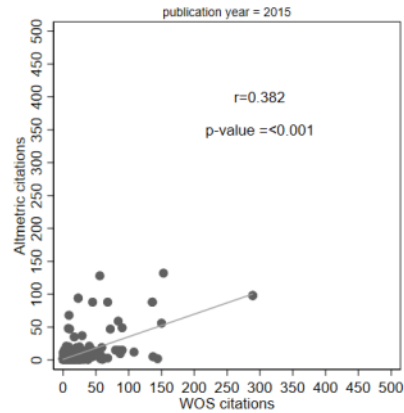
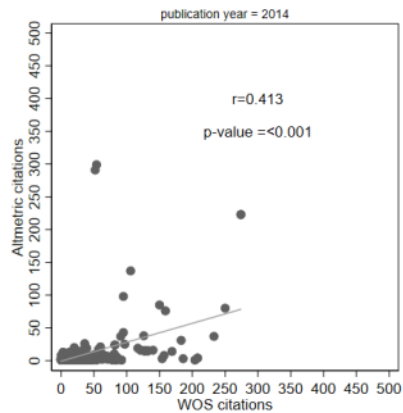
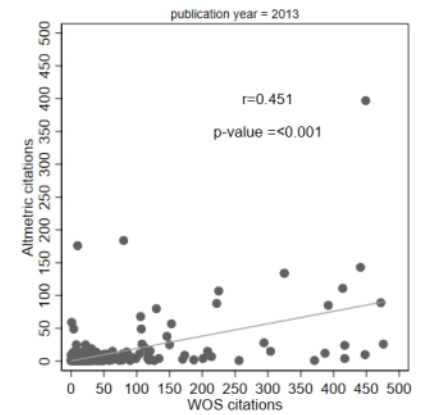
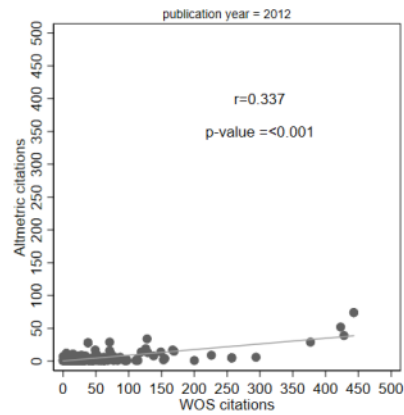
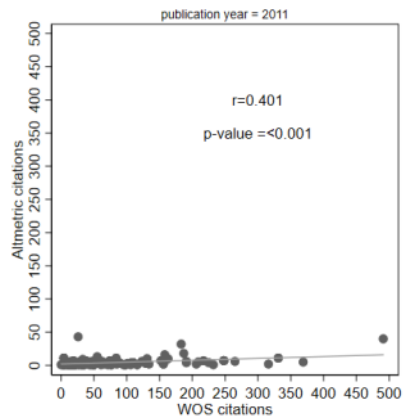
# WOS Citations and Altmetrics Score



correlation low (although statistically significant)



# WOS Citations and Altmetrics Score

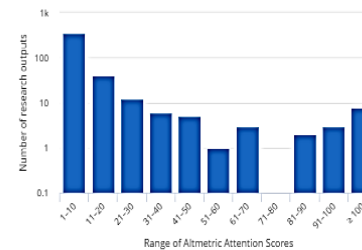




# 2016 -Altmetric distribution

type	variable	N	max
blog	mentions	466	4
f1000	mentions	466	1
facebook	mentions	466	23
google	mentions	466	9
linkedin	mentions	466	0
mendeley	mentions	466	525
news	mentions	466	67
patent	mentions	466	13
peerreview	mentions	466	1
pinterest	mentions	466	0
policy	mentions	466	2
qa	mentions	466	0
reddit	mentions	466	1
syllabi	mentions	466	19
twitter	mentions	466	390
video	mentions	466	1
weibo	mentions	466	0
wikipedia	mentions	466	27

Distribution of Altmetric Attention Scores



Attention by region

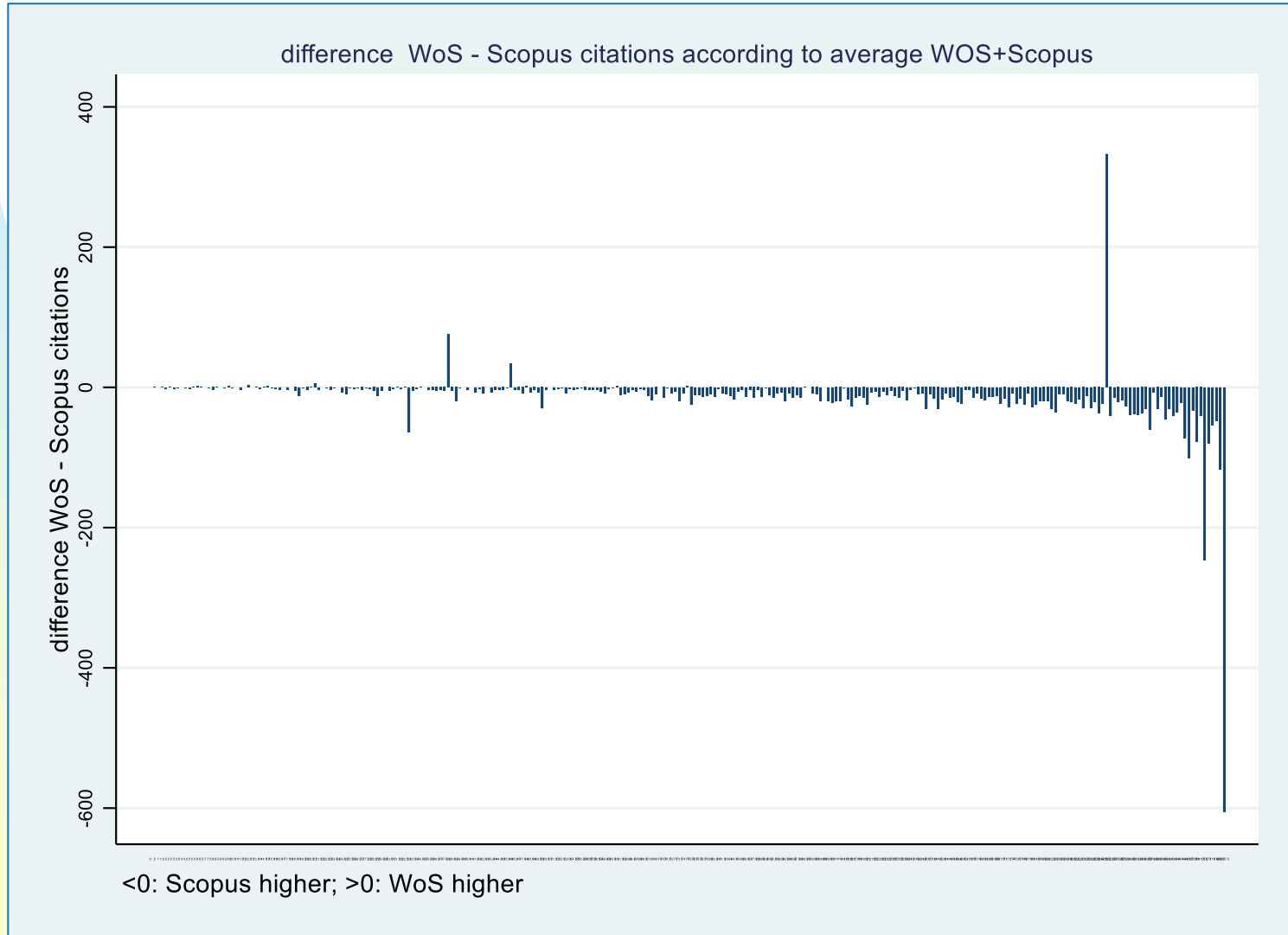




# Wos VS Scopus citation

Wos

Scopus



# From our study:

- Good correlations are observed, and a high percentage of papers have their own Altmetric score;
- Altmetrics could act as reliable tools in evaluating both researchers and departments and research lines;
- In our institution, a *high score* was obtained by many items, both within the research community (e.g. Mendeley readers) and the general public (Social Media, news, Wikipedia).



# Conclusion

- Altmetrics could contribute to the "**creation of value**" and have a more complete view on the important question of the democratization of evaluation ...
- It can represent an interesting and relevant **complement** to citations
- **Together with traditional metrics**, they can be a useful tool in guiding decision makers when funding public research.
- Nevertheless, **further investigations** are still needed to explore and understand what they measure and how can they be used in research evaluation.
- *Librarians could play an active role.*





# Future Purposes...

- **extending** the analysis to our scientific production for the **next years**.
- **measure** the broad impact of our researchers in the **academic community** and on the **society** in a different way from what has traditionally been done.
- **explore** the possibility of the Altmetrics to traditional indicators as a possible parameter to assess the impact of scientific works
- Last but not least we would like to **study** how and if **libraries** could use these new indicators in their **daily work**

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Thank you for your  
attention!

Questions ?

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Le Biblioteche in rete degli Enti di Ricerca Biomedici Italiani



# Scopus EID from Scival

eid 2013 da scival.xlsx - Microsoft Excel

Home Inserisci Layout di pagina Formule Dati Revisione Visualizza Sviluppo Acrobat

Calibri 10

Incolla

Appunti

Carattere

Allineamento

Testo a capo

Unisci e centra

Generale

Numeri

Formattazione condizionale

Formatta come tabella

Stili cella

Inserisci Elimina Formato

Celle

A1 titolo lavoro

	A	B	C	D	E	F	G
1	titolo lavoro	eid	fonte	anno	autori	eid completo	
2	Somatic mutations of calreticulin	84890372480	New England Journal of Medicine	2013	Thorsten Klampfl; Heinz Geiger	2-s2.0-84890372480	
3	The Oslo definitions for cardiovascular	84871135111	Genetics	2013	Jonas F. Ludvigsson; Daniel	2-s2.0-84871135111	
4	Retinoic acid and arsenic trioxide	84880287051	New England Journal of Medicine	2013	F. Lo-Coco; G. Avvisati; M. Vignani	2-s2.0-84880287051	
5	Effect of platelet inhibition with aspirin	84875779761	New England Journal of Medicine	2013	Deepak L. Bhatt; Gregg W. Stone	2-s2.0-84875779761	
6	Riociguat for the treatment of pulmonary	84880732460	New England Journal of Medicine	2013	Hossein-Ardeschir Ghofrani; Justus	2-s2.0-84880732460	
7	EFSUMB guidelines and recommendations	84876116484	Ultraschall in der Medizin	2013	J. Bamber; D. Cosgrove; C.F. Napp	2-s2.0-84876116484	
8	Tivantinib for second-line treatment of	84871721240	The Lancet Oncology	2013	Armando Santoro; Lorenza Di	2-s2.0-84871721240	
9	HRS/EHRA/APHRs Expert Consensus	84889856570	Heart Rhythm	2013	Silvia G. Priori; Arthur A. Wilde	2-s2.0-84889856570	
10	Clinical and biological implications of	84888219405	Blood	2013	Elli Papaemmanuil; Moritz Gerds	2-s2.0-84888219405	
11	EFSUMB Guidelines and Recommendations	848878241671	Ultraschall in der Medizin	2013	D. Cosgrove; F. Piscaglia; J. Bamber	2-s2.0-848878241671	
12	Pretreatment with prasugrel in acute	84883710340	New England Journal of Medicine	2013	Gilles Montalescot; Leonora	2-s2.0-84883710340	
13	Mutations and prognosis in acute	84883742034	Leukemia	2013	A.M. Vannucchi; T.L. Lasho; M.	2-s2.0-84883742034	
14	Cardiovascular events and mortality in	84871746842	New England Journal of Medicine	2013	Roberto Marchioli; Guido Franchini	2-s2.0-84871746842	
15	Current state of knowledge on primary	84883746417	European Heart Journal	2013	Alida L. P. Caforio; Sabine Pilz	2-s2.0-84883746417	
16	Three-year efficacy, safety, and quality	84891303523	Blood	2013	Francisco Cervantes; Alessandra	2-s2.0-84891303523	
17	Diagnosis and treatment of acute	84888240132	Blood	2013	Luca Malcovati; Eva Hellstrom	2-s2.0-84888240132	
18	Effect of long-detection interval	84877289895	JAMA - Journal of the American Medical	2013	Maurizio Gasparini; Alessandra	2-s2.0-84877289895	
19	Common variants at SCN5A and	84883461171	Nature Genetics	2013	Connie R. Bezzina; Julien Barbe	2-s2.0-84883461171	
20	MYD88 L265P in Waldenström's	84877343691	Blood	2013	Lian Xu; Zachary R Hunter; Charles	2-s2.0-84877343691	
21	Meta-analysis of impact of prasugrel	84875850647	American Journal of Cardiology	2013	Eliano Pio Navarese; Antonino	2-s2.0-84875850647	
22	Repurposing diflunisal for the treatment	84890954073	JAMA - Journal of the American Medical	2013	John L. Berk; Ole B. Suhr; Lutz	2-s2.0-84890954073	
23	Pulmonary hypertension due to left	84890771619	Journal of the American College of	2013	Jean-Luc Vachivory; Yochai Adir	2-s2.0-84890771619	
24	Pulmonary hypertension in systemic	84890783241	Journal of the American College of	2013	Werner Seeger; Yochai Adir	2-s2.0-84890783241	
25	Survival and prognosis among patients	84883742082	Leukemia	2013	A. Tefferi; E. Rumi; G. Finazzi	2-s2.0-84883742082	
26	The Coexistence of Asthma and	84877605913	PLoS ONE	2013	Roberto de Marco; Giancarlo	2-s2.0-84877605913	
27	Calmodulin mutations associated with	84874664698	Circulation	2013	Lia Crotti; Christopher N. Jou	2-s2.0-84874664698	
28	International Myeloma Working Group	84883021288	Journal of clinical oncology	2013	Evangelos Terpos; Gareth Morgan	2-s2.0-84883021288	
29	Riociguat for patients with pulmonary	84881102246	Circulation	2013	Diana Bonderman; Stefano	2-s2.0-84881102246	
30	Executive summary: HRS/EHRA/APHRS	84891708821	Europace : European pacing journal	2013	Silvia G Priori; Arthur A Wilde	2-s2.0-84891708821	
31	R-CVP versus R-CHOP versus R-CHOP	84876578455	Journal of Clinical Oncology	2013	Massimo Federico; Stefano	2-s2.0-84876578455	
32	Treatment of autoinflammatory disease	84875963811	Annals of the Rheumatic Diseases	2013	Nienke Ter Haar; Helen Lachy	2-s2.0-84875963811	
33	Impact of genetics on the clinical	84880078317	Journal of the American College of	2013	Peter J. Schwartz; Michael J.	2-s2.0-84880078317	



# ALL Metrics

FileMaker Pro - [biblio2016 maggio 2017 (Macintosh.local)]

File Modifica Visualizza Inserisci Formattazione Record Script Finestre Guida

Usa

AUTORI	IF_1_o_2	IF_1
73 Antonaris V	1 Ab	1
Gruppi C	2 Gr	1
73 Catarsi P	.5 Ca	.5
73 Avanzini M A	.5 Av	.5
73 Tira M E	.5 Tir	.5
73 Barosi G	.5 Ba	.5
73 Rosti V	.5 Ro	.5
73 Baldani A	.5 Bal	.5

Record: 3  
Totale: 712  
Non ordinati

cod # confronto con impact factor: 1425 Impactfactor: 5,812

Br J Haematol. 2016 Jan;172(1):140-4

titolo su impact factor  
BRIT J HAEMATOL

punteggio max ranghi: 6

LIMITE INFERIORE	limitemedio	LIMITE SUPERIORE	IF ranghi

N AUTORI: 5 ANNO: 2016 Index/sci current

affiliazione: lettera\_20\_50\_OMS  lettera\_20  volu  lettera\_50

sottoareeministerosanita

if\_affiliation: 1

affiliazione: si

sese: 1

contasmittel: 6

ultimosommatest

if\_ultimo: 1

max\_if\_1\_o\_2: 1

#\_ultimo nuovo: 5

se5 Copia: 1

ordinealfabetico

penultimocorrispondenza

max\_if\_1: 1

lettera\_20\_50\_OMS:  lettera\_20  lettera\_50  volume\_oms

ricodifica lettera\_20: 0

punteggio max ranghi: 6

riassum\_if: 110

max raghi condizionale: 6

75 Usa

Per aprire la Guida, premere F1



# New Tools

- The main scientific communication is conditioned by web-based tools, particularly by e-only journals.
- The development of tools even more Web 2.0 oriented has profoundly changed the scientific communication process



[http://en.wikipedia.org/wiki/File:Web\\_2.0\\_Map.svg](http://en.wikipedia.org/wiki/File:Web_2.0_Map.svg)

- *New tools emerge*



# Pure with Altmetric Donut

The screenshot displays the website for the Scientific IRCCS Network, part of the Italian Ministry of Health. The page features a navigation menu with 'Home', 'Profiles', 'Research Units', 'Projects', and 'Research Output'. A search bar is located in the top right corner. The main content area is titled 'Small Amounts of Gluten in Subjects With Suspected Nonceliac Gluten Sensitivity: A Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial' by Antonio Di Sabatino, Umberto Volta, Chiara Salvatore, Paolo Biancheri, Giacomo Caio, Roberto De Giorgio, Michele Di Stefano, Gino R. Corazza. The article is associated with IRCCS Fondazione Policlinico San Matteo. On the right side, an Altmetric donut chart shows 56 citations and a total of 890 mentions. Below the article, there is an abstract section and a link to the document (10.1016/j.cgh.2015.01.029). The left sidebar contains a 'Fingerprint' section and two categories: 'Therapeutics' and 'HIV', both under 'MEDICINE & LIFE SCIENCES'.

Ministero della Salute  
Italian Ministry of Health  
Scientific IRCCS Network  
Direzione Generale della Ricerca Sanitaria e Biomedica  
General Directorate for health and Biomedical Research

Home Profiles Research Units Projects **Research Output** Enter search terms...

## Small Amounts of Gluten in Subjects With Suspected Nonceliac Gluten Sensitivity: A Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial

Antonio Di Sabatino, Umberto Volta, Chiara Salvatore, Paolo Biancheri, Giacomo Caio, Roberto De Giorgio, Michele Di Stefano, Gino R. Corazza

IRCCS Fondazione Policlinico San Matteo

Research output: Contribution to journal › Article

56 Citations

890

### Abstract

There is debate over the existence of nonceliac gluten sensitivity (NCGS) intestinal and extraintestinal symptoms in response to ingestion of gluten-containing foods by people without celiac disease or wheat allergy. We performed a randomized, double-blind, placebo-controlled, cross-over trial to determine the effects of administration of low doses of gluten to subjects with suspected NCGS. Methods: We enrolled 61 adults without celiac disease or a wheat allergy who believed ingestion of gluten-containing food to be the cause of their intestinal and extraintestinal symptoms. Participants were assigned randomly to groups given either 4.375 g/day gluten or rice starch (placebo) for 1 week, each via gastro-soluble capsules. After a 1-week gluten-free diet, participants crossed over to the other group. The primary outcome was the change in overall (intestinal and extraintestinal) symptoms, determined by established scoring systems, between gluten and placebo intake. A secondary outcome was the change in individual symptom scores between gluten vs placebo. Results: According to the per-protocol analysis of data from the 59 patients who completed the trial, intake of gluten significantly increased overall symptoms compared with placebo ( $P = .034$ ). Abdominal bloating ( $P = .040$ ) and pain ( $P = .047$ ), among the intestinal symptoms, and foggy mind ( $P = .019$ ), depression ( $P = .020$ ), and aphthous stomatitis ( $P = .025$ ), among the extraintestinal symptoms, were significantly more severe when subjects received gluten than placebo. Conclusions: In a cross-over trial of subjects with

### Access to Document

[10.1016/j.cgh.2015.01.029](https://doi.org/10.1016/j.cgh.2015.01.029)

[Link to publication in Scopus](#)

[Link to citation list in Scopus](#)

Overview Fingerprint

**Fingerprint**  
The fingerprint is based on the terms is created, which

Therapeutics  
MEDICINE & LIFE SCIENCES

HIV  
MEDICINE & LIFE SCIENCES