



arQus

European University Alliance

► 4-6 April

2022 ANNUAL CONFERENCE

Padua, Italy



1222 • 2022
800
ANNI



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

ARQUS AL6 – 6.3 Impact Council meeting “Roadmap for the pathways to impact”

4th April 2022, 9:00–11:00, Padua

The Influsscience Project

Esteban Romero-Frías

Director for Participation and Social Innovation - Medialab UGR

@polisea @medialabugr

& Daniel Torres-Salinas

Director of the Scientific Evaluation Unit

@torressalinas

University of Granada





The altmetric context

- Digital Transformation of Science Communication
- Political Framework: “responsible research”, “ethics”, “innovation”, “co-creation”, “open science”, “citizen science”
- Demands for social impact and knowledge transfer

In countries such as the United Kingdom, social impact assessment initiatives have been developed, such as the Research Excellence Framework (REF), where scientists were allowed to use altmetrics to demonstrate the social impact of their research.



The altmetric context

altmetrics

altmetrics: a manifesto

NO ONE CAN READ EVERYTHING. We rely on filters to make sense of the scholarly literature, but the narrow, traditional filters are being swamped. However, the growth of new, online scholarly tools allows us to make new filters; these altmetrics reflect the broad, rapid impact of scholarship in this burgeoning ecosystem. We call for more tools and research based on altmetrics.

EUROPEAN COMMISSION



**Next-generation metrics:
Responsible metrics and evaluation for open
science**



Influ Science

Scientists with social influence: a model to measure knowledge transfer in the digital society

Hypothesis

The social influence of scientific research can be objectively quantified and measured using public social and digital platforms (altmetrics) and it has different facets and meaning. Depending on the characteristics of the platforms where it is disseminated and the type of public who accesses the information.

Aim

To create and validate a multidimensional model (Twitter, Policy Mentions, News Mentions and Wikipedia) to measure the social influence of Spanish researchers, which will be materialised with the creation of the open web platform: "influscience" and four sector analyses that scale from Spanish institutions to European countries. All of this is in line with the strategies of Spanish science and the European Union.



Financing Entities : Agencia Estatal de Investigación
Duration: 01/10/2020-01/10/2022. Funding: 60.500€.



Methodology

- 1) The starting point is the collection of bibliographic data from Web of Science databases and from altmetric aggregator Altmetric.com to create a database that unifies publications and their social mentions
- 2) The publications with the greatest social attention will be detected and from there the most influential scientists will be standardized and identified, all of this both by area of knowledge and by social media, also taking into account multidisciplinary.
- 3) Finally, a compilation of complementary information will be carried out for sectorial studies, being especially relevant the analysis of Twitter accounts and the collection of scientific production and metrics from different European countries for the elaboration of a comparative analysis

Influ Science

 **Clarivate**
Analytics

WEB OF SCIENCE™

 **Altmetric**



Data

Years: 2016-2020

Country: Spain

Web of Science documents: 406,621

Indexed in *Altmetric.com*: 238,508

Total mentions: 3,596,296 mentions

Fields perspective

Records were classified into the 22 research fields included in the *Essential Science Indicators* (ESI) provided by *Clarivate*. This classification is conducted at the journal level.



3.183.505

Twitter mentions



111.152

Wikipedia mentions



200.772

News mentions



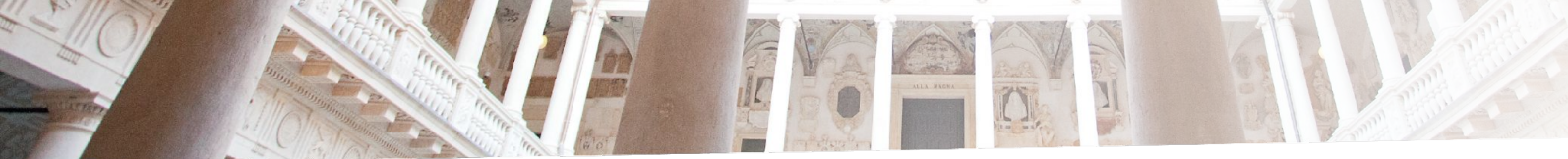
7.785

Policy mentions



Publications	Mentions		Descriptive Statistics			
	Sum	Percentage	Mean	Standard Deviation	Max	
Twitter mentions	208253	3183505	89.185%	13.421	96.987	15695
News mentions	26167	200772	5.625%	0.8464	8.461	1429
Facebook mentions	48824	99840	2.797%	0.4209	1.866	179
Blog mentions	20750	38729	1.085%	0.1633	1.058	119
Wikipedia mentions	5989	11151	0.312%	0.0470	0.859	208
Google mentions	4518	9658	0.271%	0.0407	0.824	254
Policy mentions	4569	7785	0.218%	0.0328	0.392	58
Patent mentions	3111	5353	0.150%	0.0226	0.317	39
Reddit mentions	3294	4822	0.135%	0,0203	0.240	27
Video mentions	1863	2852	0.080%	0.0120	0.209	28
F1000 mentions	2161	2563	0.072%	0.0108	0.127	9
Peer review mentions	1231	2303	0.065%	0.0097	0.187	29
QA mentions	186	218	0.006%	0.0009	0.043	11
Weibo mentions	2	2	0.000%	0	0.003	1
LinkedIn mentions	0	0	---	---	---	---
Pinterest mentions	0	0	---	---	---	---
Syllabi mentions	0	0	---	---	---	---
Altmetric Attention Score	220288	3366965	14,1944	89,881	12915	

Table 2. Distribution of publications and mentions between *Altmetric.com*'s different platforms for the Spanish of *Web of Science* documents during 2016-2020 period



INFLUSCIENCE

CIENTÍFICOS Y CIENTÍFICAS SOCIALMENTE INFLUYENTES

UN NUEVO MODELO PARA MEDIR LA TRANSFERENCIA DEL CONOCIMIENTO CIENTÍFICO EN LA SOCIEDAD DIGITAL.

MÁS SOBRE INFLUSCIENCE →

Cientific@s socialmente influyentes: un modelo para medir la transferencia del conocimiento en la sociedad digital (InfluCiencia) – PID2019-109127RB-I00.

[Ver más sobre la financiación y partners](#)



INFLUENCIA



ranking.influscience.eu



Influ Science

Ciencia Socialmente Influyente*

¿Por dónde quieres empezar?

- CATEGORÍAS
- LAS NUEVAS MÉTRICAS
- INFLUENCIERS
- PAPERS
- RANKINGS

*CLICK HERE TO GET MORE INFO



InfluSciencers

Autoras y autores científicos con mayor impacto según las almetricas.

Global Ranking
RANDOM PROFILES **250 RANKED IN Global Ranking**

Marcela Gonzalez-Gross

21th Global Ranking
2405 InFluRatio

Josep Penuelas

27th Global Ranking
6718 InFluRatio

Jordi Figuerola

189th Global Ranking
2566 InFluRatio

Leticia Fernandez-Friera

53rd Global Ranking
3821 InFluRatio

4.456 Influscencers including Rank Methods: Influratio
250 Influscencer per field

Top 10 InfluSciencers

Autor/a	InfluRatio	Wikipedia	Twitter	News	Policy
 1. Marina Pollan <small>CARLOS III INST HLTH</small>	14777	1	17971	893	7
 2. Beatriz Perez-Gomez <small>CARLOS III INST HLTH</small>	14713	1	17800	903	7
 3. Miguel A. Martinez-Gonzalez <small>UNIV NAVARRA</small>	14643	9	11639	1087	16
 4. Mark J. Nieuwenhuijsen <small>CTR RES ENVIRONM EPIDEMIOLOG CREAL</small>	12809	34	7053	1099	78

Ranking de autores y autoras / Personas

Marina Pollan

臨床医学
Clinical Medicine

DESTACA TAMBIÉN EN
Social Sciences, General, Environment/Ecology, Pharmacology & Toxicology

CARLOS III INST HLTH
Madrid / España

1st
Global

1st
in Clinical Medicine

13253
InfluRatio

53
Indexed Publications in Almetrics

48th Social Sciences, General

16th Environmental Ecology

27th Pharmacology & Toxicology



← Home / InfluSciencers



InfluSciencers

Autoras y autores científicos con mayor impacto según las altmétricas.



Global Ranking

RANDOM PROFILES **250 RANKED IN Global Ranking.**



Fernando Rodriguez-Artalejo

78th
Global Ranking
3956 **InfluRatio**



Enrique Penalver

86th
Global Ranking
3813 **InfluRatio**



Ignacio Trujillo

201st
Global Ranking
2490 **InfluRatio**









Rafael Rebolo

218th
Global Ranking
2385 **InfluRatio**





Top10 InfluSciencers

	Autor/a	InfluRatio	Wikipedia	Twitter	News	Policy
	1. Marina Pollan CARLOS III INST HLTH	14777	1	17971	893	7
	2. Beatriz Perez-Gomez CARLOS III INST HLTH	14713	1	17800	903	7
	3. Miguel A. Martinez-Gonzalez UNIV NAVARRA	14643	9	11659	1087	16
	4. Mark J. Nieuwenhuijsen CTR RES ENVIRONM EPIDEMIOLOG CREAL	12809	34	7053	1099	78
	5. Roberto Pastor-Barriuso CARLOS III INST HLTH	12595	3	17716	665	19
	6. Emilio Ros HOSP CLIN BARCELONA	12329	5	7197	1166	4



Marina Pollan

臨床医学

Clinical Medicine

DESTACA TAMBIÉN EN

Social Sciences, General, Environment/Ecology, Pharmacology & Toxicology

CARLOS III INST HLTH

Madrid / España

ORCID

<https://orcid.org/0000-0002-4328-1565>

Web of Science ResearcherID

<https://publons.com/researcher/M-3259-2014>



★ 1st
in Clinical Medicine

13253
InfluRatio

53
Indexed Publications in Altmetrics

48th Social Sciences, General
156th Environment/Ecology
27th Pharmacology & Toxicology

MENTIONS DATA

MENCIONES POR SUS ÁREAS DE INVESTIGACIÓN

CLINICAL MEDICINE

Twitter
17.6K

SOCIAL SCIENCES, GENERAL

Twitter
312

ENVIRONMENT/ECOLOGY

Twitter
141

PHARMACOLOGY & TOXICOLOGY

Twitter
60

01

02

03



農業科学

Agricultural Sciences

🕒 AREA PREVIEW

芸術と人文科学

Arts & Humanities

🕒 AREA PREVIEW

生物学と生化学

Biology & Biochemistry

🕒 AREA PREVIEW

ケミストリー

Chemistry

🕒 AREA PREVIEW

臨床医学

Clinical Medicine

🕒 AREA PREVIEW

コンピューター

Computer Science

🕒 AREA PREVIEW

生物学と生化学

Economics & Business

🕒 AREA PREVIEW

ケミストリー

Engineering

🕒 AREA PREVIEW

エコロジー

Environment & Ecology

🕒 AREA PREVIEW

地球科学

Geosciences

🕒 AREA PREVIEW

免疫学

Immunology

🕒 AREA PREVIEW

材料科学

Materials Science

🕒 AREA PREVIEW

数学

Mathematics

🕒 AREA PREVIEW

微生物学

Microbiology

🕒 AREA PREVIEW

分子生物学

Molecular Biology & Genetics

🕒 AREA PREVIEW

神経科学と行動

Neuroscience & Behavior

🕒 AREA PREVIEW



コンピューター

Clinical Medicine

CLINICAL MEDICINE TOTAL MENTIONS / AUTORES Y PAPERS

Twitter

731.7K

267K

Wikipedia

212

135

News

44.3K

27.9K




Policy

566

538






Top 3 Personas InfluScieners

Autor/a	InfluRatio	Wikipedia	Twitter	News	Policy
 1. Marina Pollan <small>CARLOS III INST HLTH</small>	13253	1	17564	709	6
 2. Beatriz Perez-Gomez <small>CARLOS III INST HLTH</small>	13086	1	17333	708	6
 3. Roberto Pastor-Barriuso <small>CARLOS III INST HLTH</small>	11375	1	17040	469	7



Top 3 Papers

	Papers	InfluRatio	Wikipedia	Twitter	News	Policy	Altmetric.com
1.	<p>Remdesivir for the Treatment of Covid-19-Final Report <i>Clinical Medicine</i></p> <p>2020 Bronze, Green Published NEW ENGLAND JOURNAL OF MEDICINE</p>	12915	2	13599	1429	20	
2.	<p>Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study <i>Clinical Medicine</i></p> <p>2020 Green Published, Bronze LANCET</p>	10041	0	15695	394	5	
3.	<p>Compassionate Use of Remdesivir for Patients with Severe Covid-19 <i>Clinical Medicine</i></p> <p>2020 Green Published, Bronze NEW ENGLAND JOURNAL OF MEDICINE</p>	8701	2	11130	512	4	

RANDOM PAPERS **250 RANKED IN Clinical Medicine**

230th Clinical Medicine

Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013 Findings From the Global Burden of Disease 2013 Study

106th Clinical Medicine

A Clinician's Guide for Trending Cardiovascular Nutrition Controversies Part II

INFLURATIO
840

97th Clinical Medicine

Genetic Etiology for Alcohol-Induced Cardiac Toxicity

INFLURATIO
879

126th Clinical Medicine

Clinical Portrait of the SARS-CoV-2 Epidemic in European Patients with Cancer

INFLURATIO
760



New Project: Alt-Andalus

Application of the methodology
to Andalusian Universities

alt-andalus



ARQUS

- 1) Apply the Influxience methodology to ARQUS universities.
- 2) To obtain indicators at the institutional level of the ARQUS universities for the four dimensions of social impact.
Comparative study
- 3) Identify the most influential researchers in the universities.
(Four indicators 22 Fields)
- 4) To identify the most influential articles in the universities.
(Four indicators 22 Fields)

Influ Science

I ENCUENTRO INFLUENCIA

Influ Science

Ciencia Socialmente Influyente*

ビブリオメトリクス

190422

EL EVENTO DEL AÑO

Esteban Romero Frías



SALVAJE, INABARCARBLE Y SUBLIME
"La revolución de la
evaluación científica"



Daniel Torres Salinas



BRILLANTE Y PROVOCADOR
"Todo en Influxcience
es una fiesta"

<https://influxcience.eu/>



Please, join us in **Granada**



Photo by wise fox on Unsplash



Photo by Jorge Fernández Salas on Unsplash

More info:

<https://influxcience.eu/novedades/i-encuentro-influencia-ciencia-socialmente-influyente/>

PID2019-109127RB-I00.

Influ Science



Thank you!