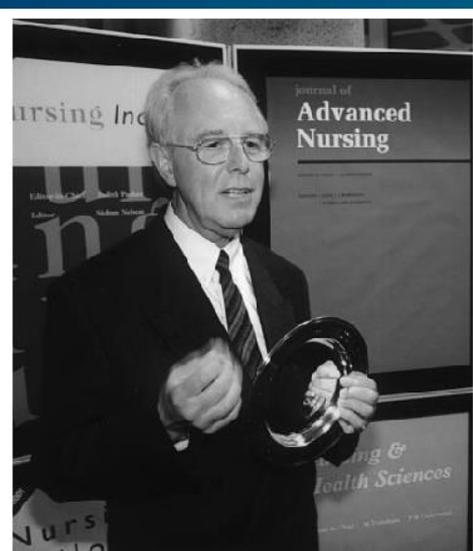


# SCHOLARLY PUBLISHING AND RESEARCH IMPACT: A tribute to James P Smith

RCN International Research Conference  
Sheffield, UK



# Outline

- Scholarly publishing and research impact: background and context
    - Alison J Tierney
  - Measuring the impact of published research
    - Roger Watson
  - Research outputs and impact in the REF: a quality relationship
    - Hugh P McKenna
  - Postgraduate research students and early career researchers and the publication process
    - Parveen Azam Ali
- 

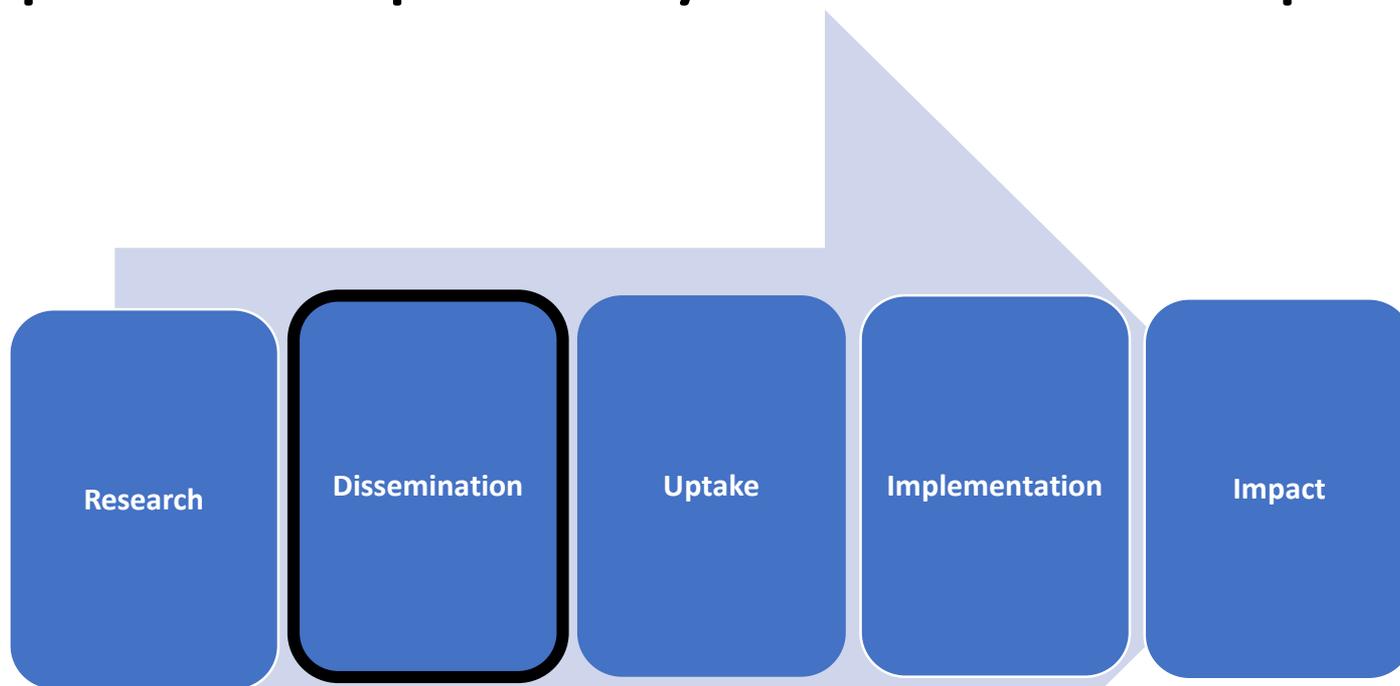


**Scholarly publishing and  
research impact:  
background and context**

**Alison J Tierney**

‘the demonstrable contribution that excellent research makes to society and the economy’

## Steps in the ‘pathway to research impact’



# Scholarly publishing and research impact

---

*For research to make an impact it first needs to be known about and publishing in scholarly journals is still the main medium for the dissemination of research*



# Scholarly journals

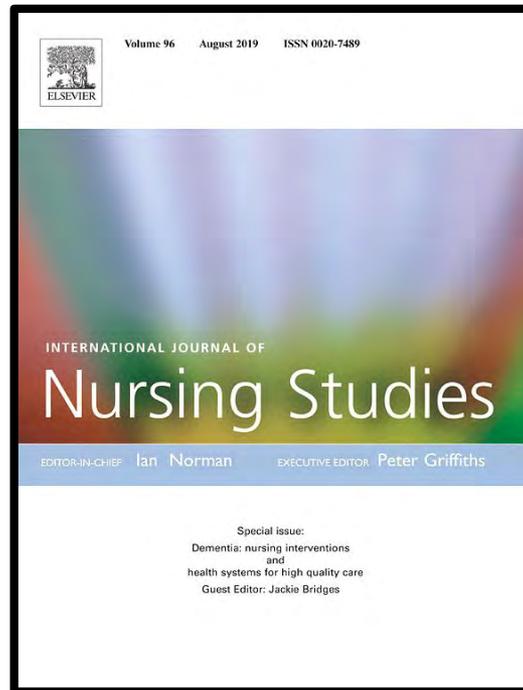


First scholarly journal '*Philosophical Transactions*'  
Henry Oldenburg -Royal Society of London - 1665

Four functions:-

- Registration
- Dissemination
- Peer review
- Archival record

*Nursing Research (1952), Int. J. of Nursing Studies (1963),  
Journal of Advanced Nursing (1976)*



# Why aren't practising nurses using research findings?

- they don't know about them
- they don't understand them
- they don't believe them
- they don't know how to apply them
- they're not allowed to use them

Hunt J (1981) Indicators for nursing practice: the use of research findings. *Journal of Advanced Nursing*, 6,3, 189-194.

1988 House of Lords select committee report looking at priorities in medical research criticised the NHS for *'failing to articulate its research needs and attend to the problems of implementation'*



# 1990s

- ❑ 1991 R&D Strategy for the NHS > Strategy for Nursing Research
  - ❑ Adoption of 'evidence-based' approach in health care
    - Cochrane Collaboration > Systematic Reviews
    - Exposed weaknesses in research and in its reporting
  - ❑ Increasing scrutiny of research *quality* and *outputs*
    - RAE
    - Funders
    - Journals
- 

# *quality, relevance, impact*

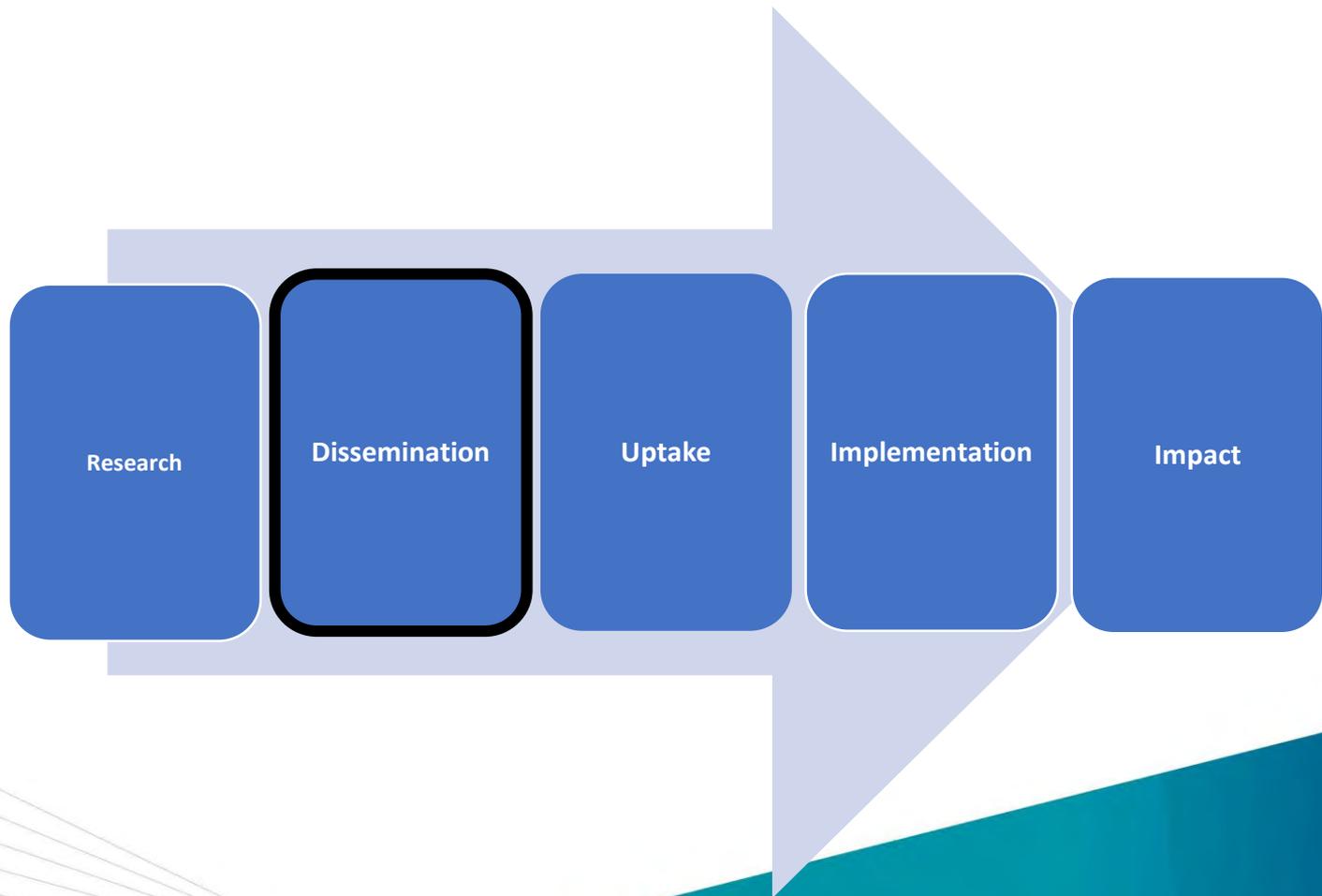


- Titles and keywords
- Structured abstracts
- Summary statements
  - o What is already known and this topic
  - o What this paper adds
- Method in detail
- Global perspective

# Transformation of journal publishing



# Steps in the 'pathway to research impact'





# Measuring the impact of published research

**Roger Watson**

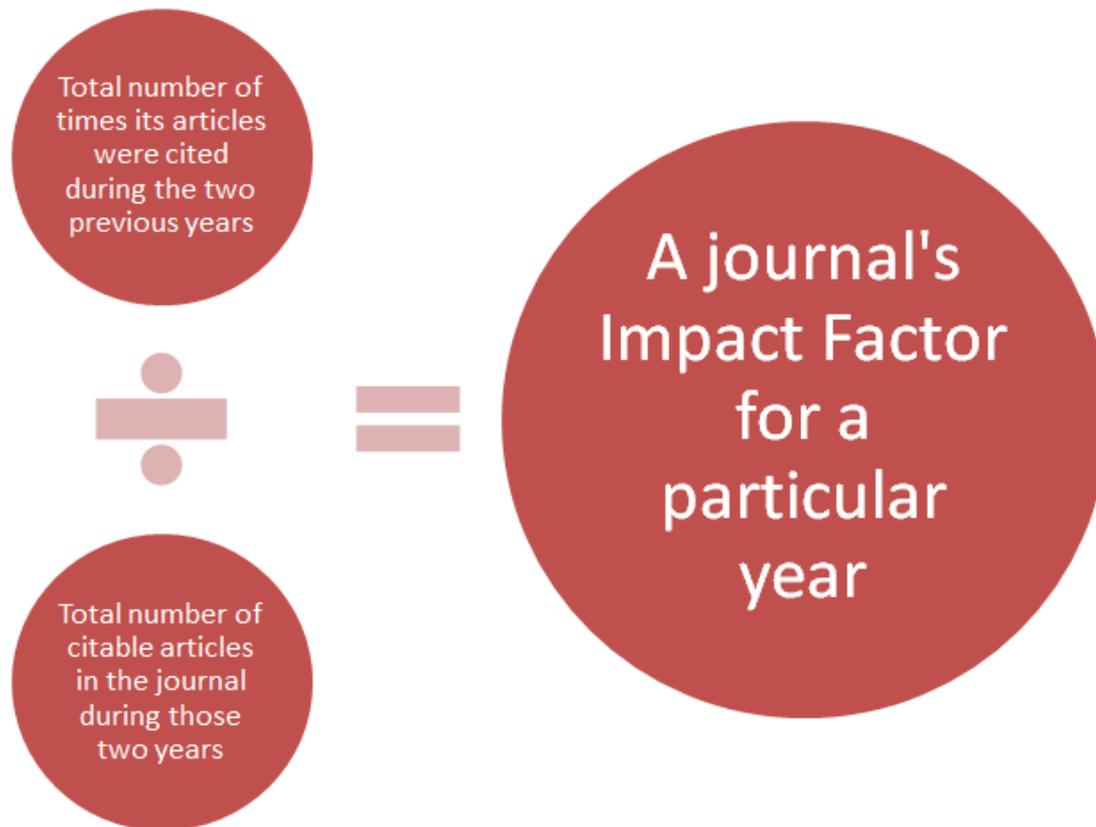


# Measures of impact

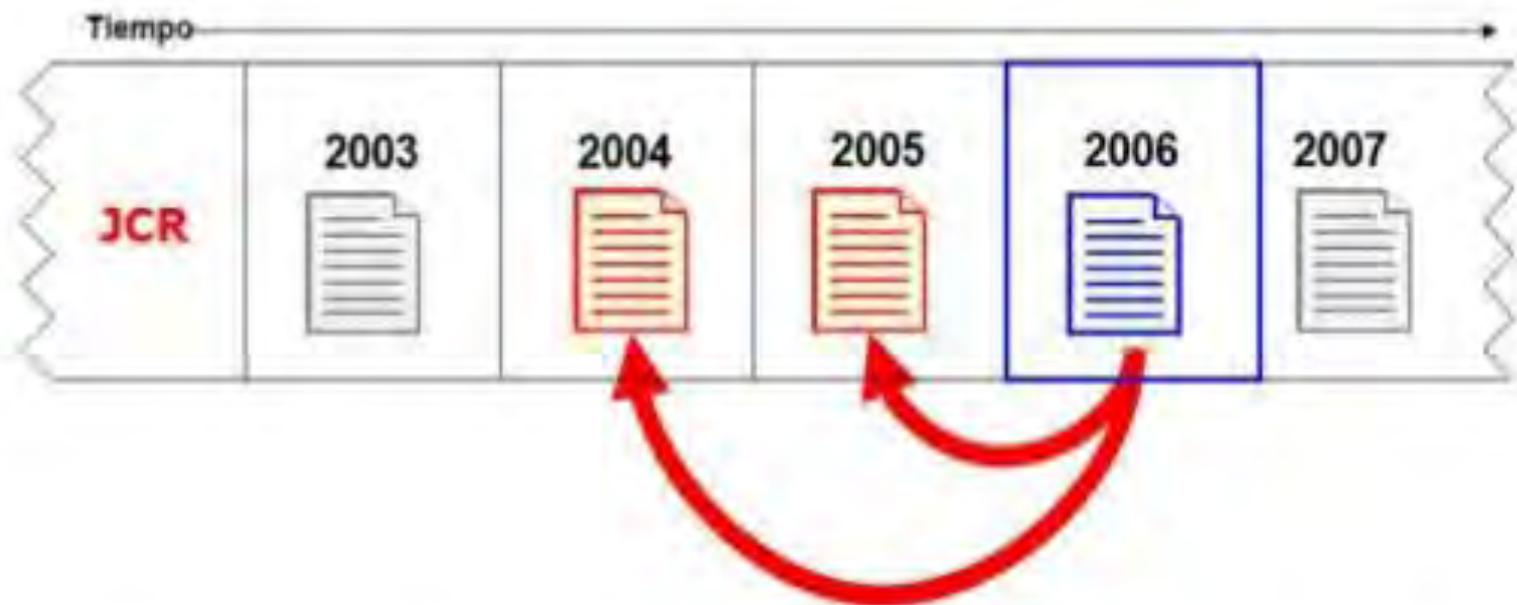
- Clarivate journal impact factor
- Altmetrics
- Strategy



# The impact factor

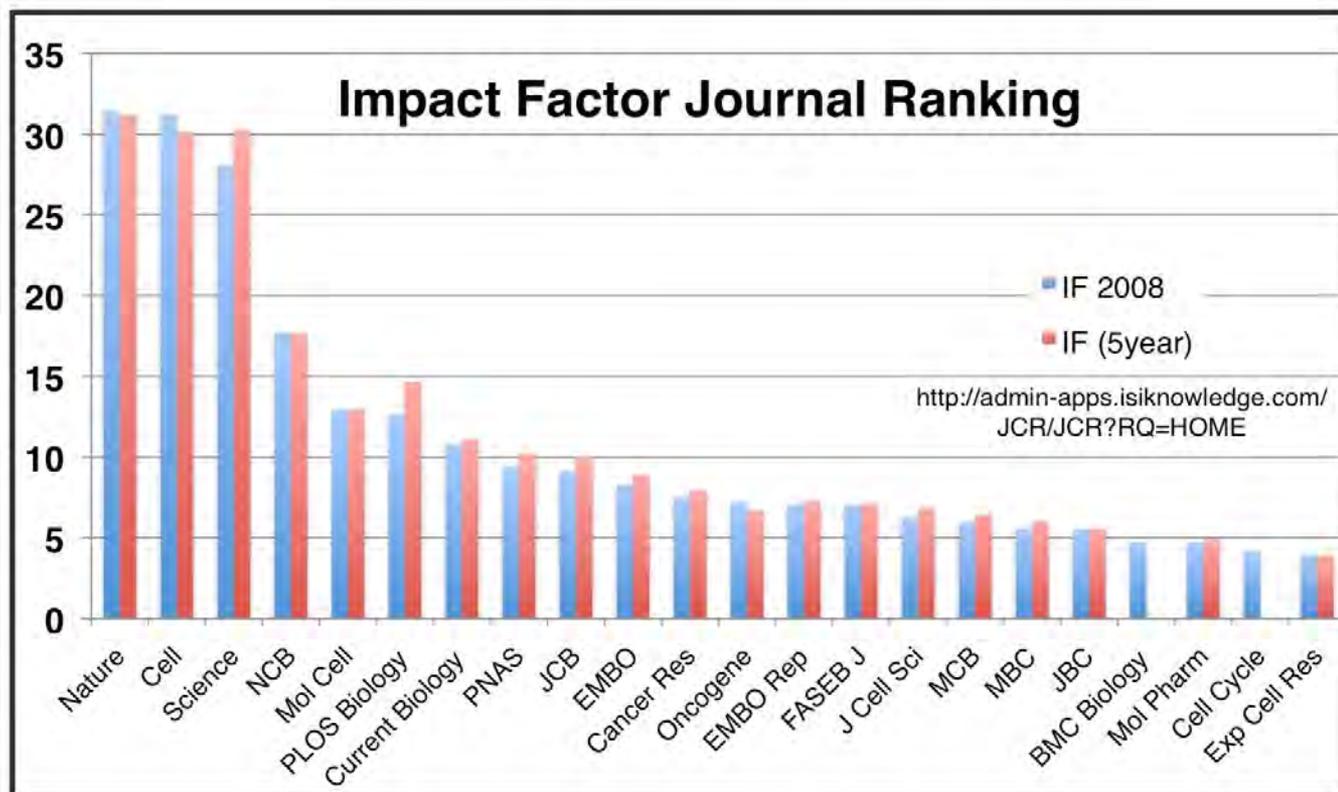


# How do we calculate the ImpactFactor



$$\text{IMPACT FACTOR } 2006 = \frac{\text{CITATIONS } 2004-2005}{\text{PUBS } 2004-2005}$$

Mar	Title (Journal)	ISSN	JCR Data (1)						Eigenfactor™ Metrics (1)		
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor™ Score	Article Influence™ Score	
<input type="checkbox"/>		0016-5085	55276	12.899	12.432	2.528	405	7.1	0.15164	4.032	
<input type="checkbox"/>		0270-9139	41640	10.840	10.912	1.920	402	6.6	0.10590	3.065	
<input type="checkbox"/>		0017-5749	28455	9.357	9.663	2.528	180	7.2	0.07076	2.867	
<input type="checkbox"/>	4	<a href="#">J HEPATOL</a>	0168-8278	17413	7.818	6.624	2.559	222	6.1	0.04699	1.867
<input type="checkbox"/>	5	<a href="#">GASTROINTEST ENDOSC</a>	0016-5107	17856	6.713	6.593	1.453	395	5.7	0.04365	1.571
<input type="checkbox"/>	6	<a href="#">AM J GASTROENTEROL</a>	0002-9270	26199	6.012	6.380	1.580	312	6.9	0.06330	1.818
<input type="checkbox"/>	7	<a href="#">CLIN GASTROENTEROL H</a>	1542-3565	5503	5.642		0.939	179	3.3	0.03310	
<input type="checkbox"/>	8	<a href="#">ENDOSCOPY</a>	0013-726X	7323	5.545	4.791	0.729	140	5.3	0.02233	1.299
<input type="checkbox"/>	9	<a href="#">SEMIN LIVER DIS</a>	0272-8087	3049	5.171	5.326	0.447	38	7.9	0.00720	1.524
<input type="checkbox"/>	10	<a href="#">INFLAMM BOWEL DIS</a>	1078-0998	4625	4.643	4.530	0.889	216	3.5	0.01883	1.169
<input type="checkbox"/>	11	<a href="#">NAT CLIN PRACT GASTR</a>	1743-4378	1024	4.520	4.917	1.750	12	3.1	0.00620	1.461
<input type="checkbox"/>	12	<a href="#">ALIMENT PHARM THER</a>	0269-2813	11831	4.357	3.825	0.879	264	5.1	0.03715	0.989
<input type="checkbox"/>	13	<a href="#">CURR OPIN GASTROEN</a>	0267-1379	1547	4.331	3.088	0.535	71	3.0	0.00811	0.957
<input type="checkbox"/>	14	<a href="#">LIVER TRANSPLANT</a>	1527-6465								
<input type="checkbox"/>	15	<a href="#">NEUROGASTROENT MOTIL</a>	1350-1925								
<input type="checkbox"/>	16	<a href="#">J VIRAL HEPATITIS</a>	1352-0504								
<input type="checkbox"/>	17	<a href="#">AM J PHYSIOL-GASTR L</a>	0193-1857								
<input type="checkbox"/>	18	<a href="#">LIVER INT</a>	1478-3223								
<input type="checkbox"/>	19	<a href="#">DIGEST LIVER DIS</a>	1590-8658								
<input type="checkbox"/>	20	<a href="#">J GASTROENTEROL</a>	0944-1174								





Altmetrics

In scholarly and scientific publishing, **Altmetrics** are new metrics proposed as an alternative to the widely used journal impact factor and personal citation indices like the h-index.

(Wikipedia)

## Editorial

### How academic nursing is being enriched by 'The Thriller Elite'



Philip Darbyshire PhD RN Professor of Nursing, Director<sup>1,2,3</sup> and David R. Thompson PhD RN Professor of Nursing<sup>4</sup>

Article first published online: 28 JAN 2014

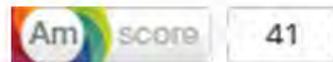
DOI: 10.1111/jan.12350

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## Issue



Journal of Advanced Nursing  
Volume 70, Issue 10, pages  
2165–2166, October 2014



## Additional Information (Show All)

[How to Cite](#) | [Author Information](#) | [Publication History](#)

**Abstract**

Article

References

Cited By

[View Full Article \(HTML\)](#) | [Enhanced Article \(HT\)](#)

No abstract is available for this article.

## SEARCH

In this iss

Advance

## ARTICLE

Get F

Save

E-ma

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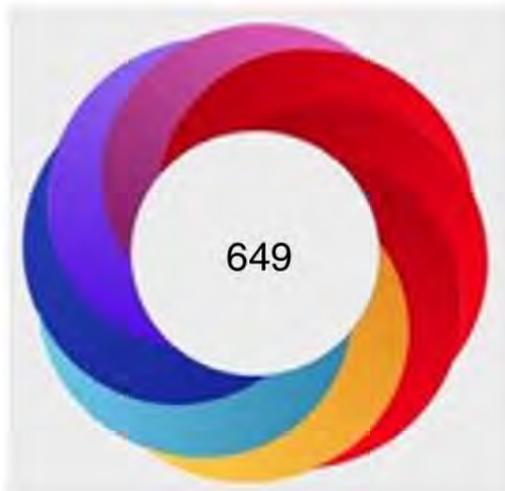
Requ

Shar

Altmetrics scoring system



News	8
Blogs	5
Twitter	1
Facebook	0.25
Sina Weibo	1
Wikipedia	3
Policy Documents (per source)	3
Q&A	0.25
F1000/Publons/Pubpeer	1
YouTube	0.25
Reddit/Pinterest	0.25
LinkedIn	0.5
Open Syllabus	1
Google+	1
Patents	3



- Policy documents
- News
- Blogs
- Twitter
- Post-publication peer-reviews
- Facebook
- Sina Weibo
- Syllabi
- Wikipedia
- Google+
- LinkedIn
- Reddit
- Faculty1000
- Q&A (Stack Overflow)
- Youtube
- Pinterest
- Patents

The altmetric donut visually represents the types (colors) and the frequency (thickness of the stripes) of mentioned sources. The Altmetric Attention Score (AAS) is located in the centre of the wheel. In this figure, the 649 score represents the highest AAS among the articles in the study, which was achieved by Schulz and Sherwood's (2008) article [Colour figure can be viewed at [wileyonlinelibrary.com](#)]

source of altmetric scores for several reasons: (a) it

each article's title, authors, year of publication; pu



# Can Tweets Predict Citations? Metrics of Social Impact Based on Twitter and Correlation with Traditional Metrics of Scientific Impact

[Gunther Eysenbach](#)

*JMIR* (2011)

Highly tweeted articles were 11 times more likely to be highly cited than less-tweeted articles (9/12 or 75% of highly tweeted articles were highly cited, while only 3/43 or 7% of less-tweeted articles were highly cited; rate ratio  $0.75/0.07 = 10.75$ , 95% confidence interval, 3.4–33.6). Top-cited articles can be predicted from top-tweeted articles with 93% specificity and 75% sensitivity.

Transplantation. 2014 Sep 15;98(5):490-6. doi: 10.1097/TP.0000000000000307.

## Social media and online attention as an early measure of the impact of research in solid organ transplantation.

[Knight SR](#)<sup>1</sup>.

### Author information

#### Abstract

**INTRODUCTION:** Traditional measures of the impact of published research, such as citation counts, are limited to measuring academic impact. The use of social media and other online tools as alternative measures of research impact is gaining popularity and used by leading medical journals.

**METHODS:** MEDLINE was searched for articles published with subject headings relating to solid organ transplantation between August 1, 2011 and August 1, 2013. Social media mentions, social bookmarking, and expert recommendations were retrieved from the data at www.altmetric.com. Data were analyzed using logistic regression to determine the association between social media mentions and citation rates.

**RESULTS:** The search returned 100 articles. Of these, 19.3% were mentioned in social media, 11.3% were bookmarked, and 11.3% were recommended. Of the 100 articles, 80 had at least one citation. Mentions in social media, expert recommendations, and online news outlets were significantly associated with citation rates. Significantly higher citation rates were associated with mention in social media, expert recommendation, social bookmarking, and for articles identified as meta-analyses, multicenter studies, randomized controlled trials, and reviews (all  $P < 0.001$ ). The odds of an article being highly cited were significantly increased by a mention in social media (odds ratio, 2.58;  $P < 0.001$ ). Qualitative analysis suggests that article topics discussed on social media are more likely to relate to the more controversial and emotive areas of transplantation.

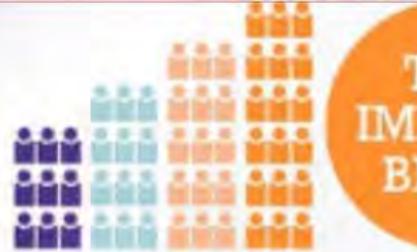
**DISCUSSION:** Social media and online attention act as early predictors of the impact of transplant research as measured by later citation rate. Blogging and expert recommendation, in particular, are associated with higher citation rates.

PMID: [25061904](#) [PubMed - indexed for MEDLINE]





THE LONDON SCHOOL  
OF ECONOMICS AND  
POLITICAL SCIENCE



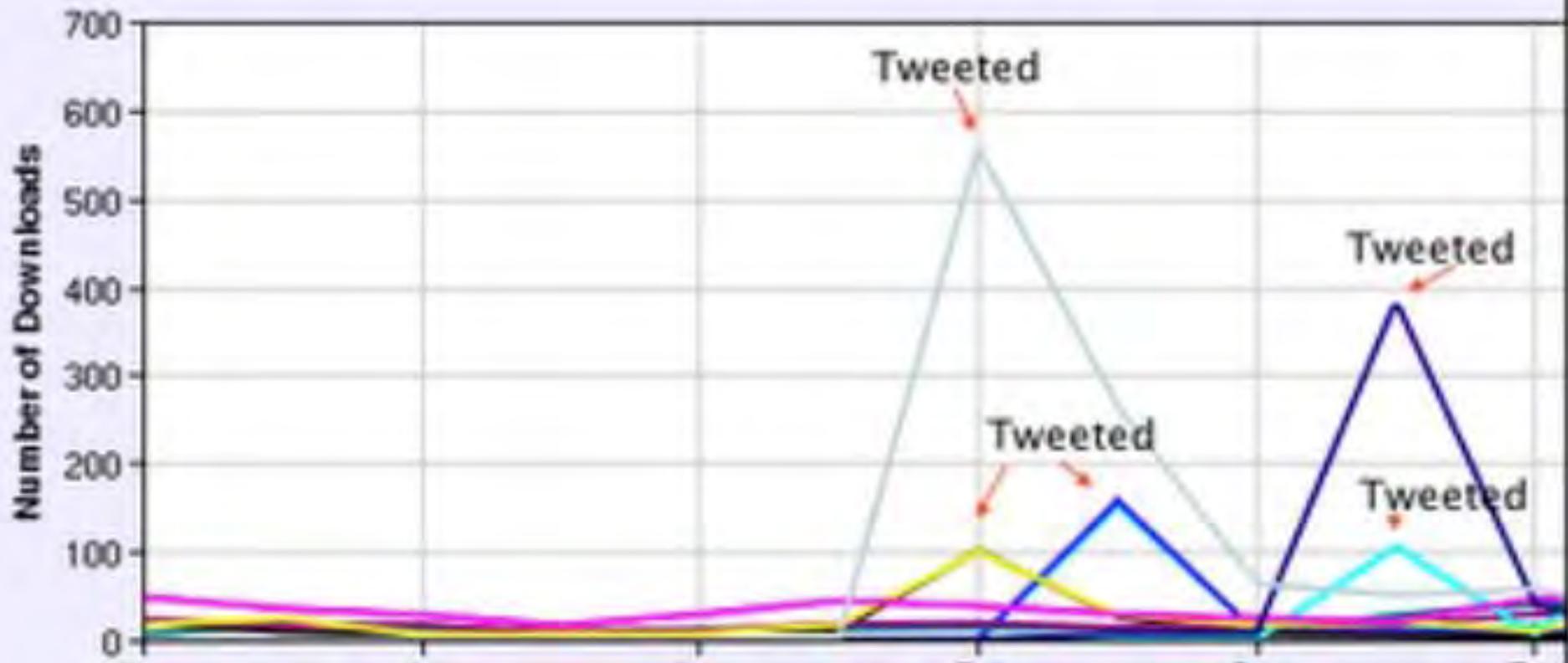
Go to...



## The verdict: is blogging or tweeting about research papers worth it?



*Eager to find out what impact blogging and social media could have on the dissemination of her work, **Melissa Terras** took all of her academic research, including papers that have been available online for years, to the web and found that her audience responded with a huge leap in interest in her work.*



REVIEW PAPER

# Measuring the social impact of nursing research: An insight into altmetrics

Latefa Ali Dardas<sup>1</sup>  | Amanda Woodward<sup>2</sup>  | Jewel Scott<sup>3</sup>  |  
Hanzhang Xu<sup>3,4</sup>  | Faleh A. Sawair<sup>5</sup> 

<sup>1</sup>School of Nursing, The University of Jordan, Amman, Jordan

<sup>2</sup>Duke University Medical Center Library and Archives, Durham, North Carolina

<sup>3</sup>School of Nursing, Duke University, Durham, North Carolina

<sup>4</sup>Department of Community and Family Medicine, Duke University School of Medicine, Durham, North Carolina

<sup>5</sup>The University of Jordan Accreditation and Quality Assurance Center, Amman, Jordan

## Correspondence

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## Funding information

This research received no specific grant from any funding agency in the public, commercial, or not-for-profit sectors

## Abstract

**Aims:** The objectives of this study were to (a) identify *nursing journal* articles that provoked the most online activity and discussion and (b) assess the association between these articles' altmetric scores and publication characteristics, citation counts; and publishing journals metrics.

**Background:** Altmetrics, or alternative metrics, have recently emerged as a complementary way of measuring the societal impact of research by assessing the public engagement with research output. To date, no studies have yet investigated the online attention about scientific papers published in the nursing field.

**Design:** Integration of quantitative and qualitative synthesized evidence.

**Data sources and review methods:** InCites Journal Citation Report was used to identify a list of nursing journals indexed in the Web of Science Core Collection. Altmetric Explorer was selected as an altmetrics harvesting tool. The search in Altmetric Explorer yielded 66,608 research outputs from 118 nursing journals. The articles with the top 100 altmetric attention score (AAS) were identified and a new

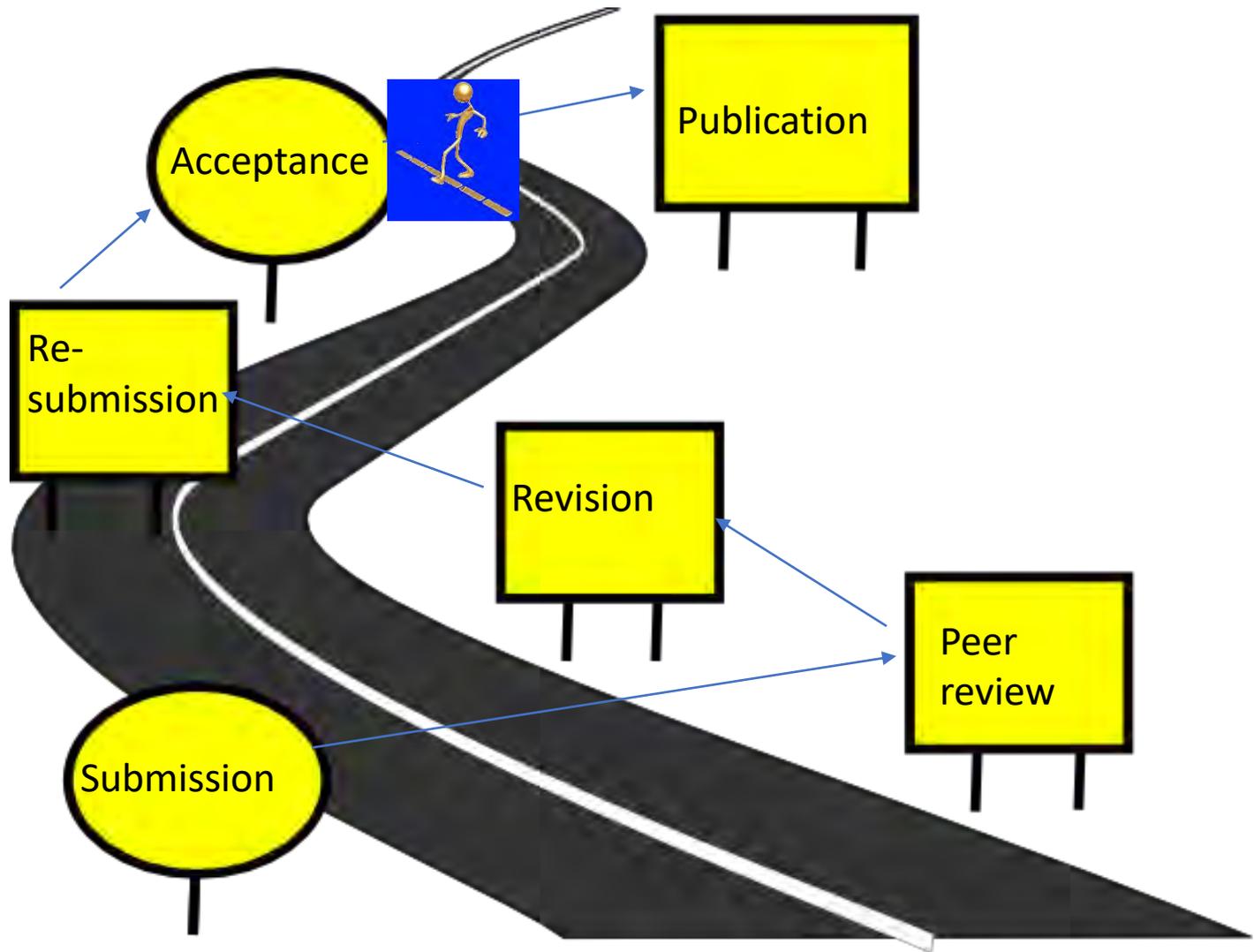
the influence research is exerting on a particular field.

## What are the key findings?

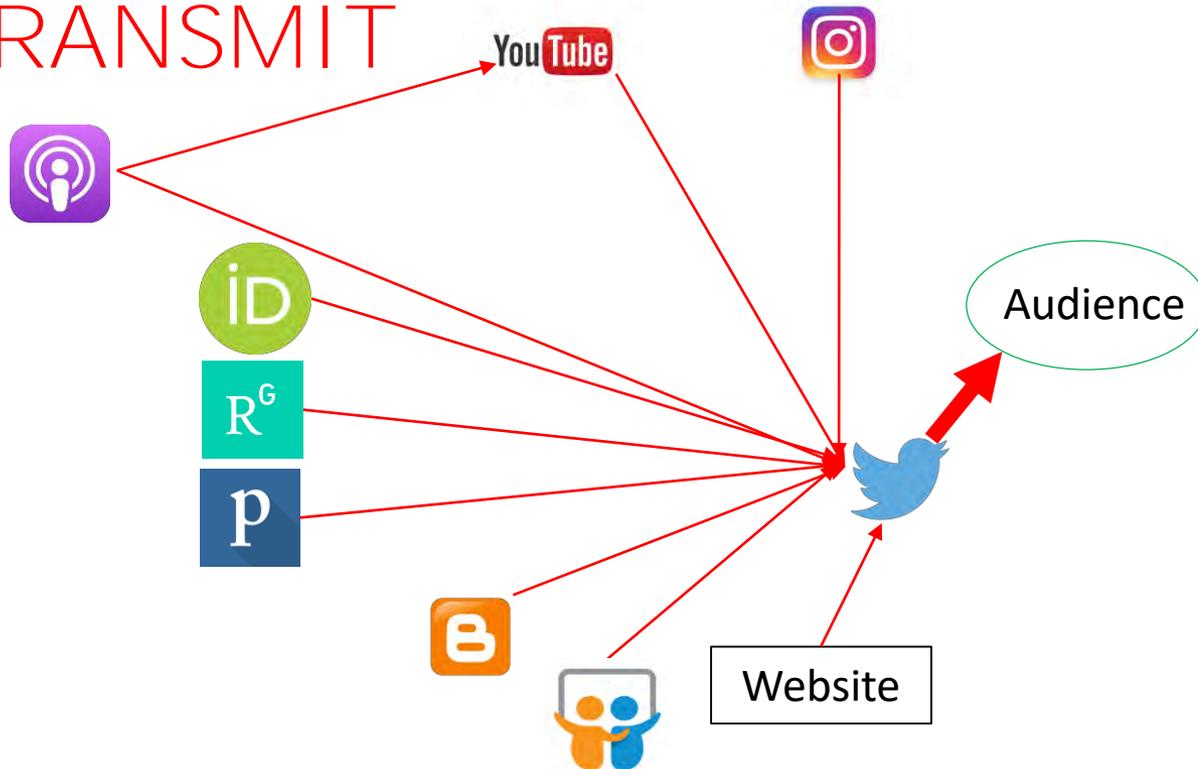
- Of the top 100 articles included in the study, the *Journal of Advanced Nursing* published the highest number of articles ( $N = 26$ ; Median AAS = 179).
- The articles were mostly discussed on Twitter followed by news outlets and Mendeley.
- Articles indexed in the nursing journals attracted low online attention compared with articles published in other health journals.
- Most online attention came from the USA and UK.
- There was a significant relationship between articles' altmetric attention scores and their citation counts on Scopus and Web of Science.

## How should the findings be used to influence policy/practice/research/education?

- Findings can help nursing researchers identify which out-



# Link your social networking sites - TRANSMIT





**Research outputs and impact in  
the REF: a quality relationship**

**Hugh P McKenna**



# Presentation Outline

- Brief overview of Research Impact in REF.
- Structure of an Impact Case Study.
- Evidence of impact through 2\* outputs.
- Relationship between Quality and Impact.
- Making your research more impactful.
- Differentiate weak from Strong Case Studies.



# Brief Overview of Research Impact In REF

- Increasing importance of Research Impact internationally.
- Reflects universities' societal and economic role.
- Publicly funded research to be more accountability to the taxpayer.
- REF introduced in 2014 to replace the previous Research Assessment Exercise (RAE), on-going since 1986.
- REF evaluates three elements with different weightings:
  1. Originality, significance and rigour of research outputs (60%);
  2. Reach and significance of impact (25%);
  3. Vitality and sustainability of research environment (15%).
- Evidence of impact is provided in the form of impact case studies.
- Case studies evaluated by expert sub-panels.



# Structure of a REF Impact Case Study

Institution:
Unit of Assessment:
Title of case study:
1. Summary of the impact <i>(indicative maximum 100 words)</i>
2. Underpinning research <i>(indicative maximum 500 words)</i>
<b>3. References to the research <i>(indicative maximum of six references)</i></b>
4. Details of the impact <i>(indicative maximum 750 words)</i>
5. Sources to corroborate the impact <i>(indicative maximum of 10 references)</i>

# Percentage types of Outputs submitted across the 4 Main REF Panels

	MPA Science		MPB Engineering		MPC Social sciences		MPD Humanities and arts	
REF2014	Outputs	%	Outputs	%	Outputs	%	Outputs	%
Books and chapters	228	0.3	197	0.8	8,307	15.9	18,168	46.3
Conference proceedings	81	0.1	2,056	7.9	233	0.4	380	1.0
Journal articles	73,039	99.1	23,521	90.9	42,545	81.5	15,749	40.2
Other	331	0.4	108	0.4	1,105	2.1	4,914	12.5
REF case studies								
Books and chapters	274	2.1	282	6.3	1,819	16.9	3,409	40.0
Conference proceedings	150	1.2	686	15.4	195	1.8	334	3.9
Journal articles	11,752	91.7	3,263	73.4	7,102	65.9	3,251	38.1
Other	631	4.9	213	4.8	1,649	15.3	1,523	17.9

*(Dr Martin Szomszor (2017) Research Data Mechanics and Impact. Consultant Data Scientist Digital Science)*

# Evidence of impact through 2\* outputs

The impact must have been underpinned by 'EXCELLENT' research ( $\geq 2^*$ ) produced in 20 year period 1 Jan 2000 to 31 Dec 2020. Must show that the underpinning research was 'the difference that made the difference'.

The submitting unit can provide up to 6 references for the outputs.

All forms of output cited as underpinning research will be considered on an equal basis.

May include, but are not limited to: publications, new materials, devices, images, artefacts, products and buildings; confidential or technical reports; intellectual property in patents; performances, exhibits or events; non-print media.

# Evidence of impact through 2\* outputs

Panels will consider the evidence of research quality, and **may** review outputs referenced in a case study.

The sub-panels will not expect each referenced output to meet the 2\* quality threshold, but will wish to be satisfied that the research as a whole was of at least two-star quality.

A panel will grade a case study as unclassified if it judges that the underpinning outputs was not of at least two-star quality.

11% of audit queries related to the underpinning research. 25% of these were subsequently unclassified (Rand Europe, 2017).

Provided the sub-panel is satisfied that the 2\* quality threshold has been met, the quality of the underpinning research will not be taken into consideration as part of the assessment of the reach and significance of the claimed impact. (a 2 stage process).

# Evidence of impact through 2\* outputs

Research outputs underpinning a case study may also be included in a submission as an output. The assessment of the impact case study will have no bearing on the assessment of the quality of the output. However, the assessment of the quality of the output may inform the assessment of the case study, in terms of assuring 2\* threshold.

The research outputs may, but need not, have been submitted to a previous RAE or REF 2014.

Include the following details for each cited output:

- author(s)

- title

- year of publication

- type of output and other relevant details required to identify the output

## References to the research

(best three references starred)

1. Shadbolt, N., Gibbins, N., Glaser, H., Harris, S. and schraefel, m. c. (2004) CS AKTive Space or how we stopped worrying and learned to love the Semantic Web. *IEEE Intelligent Systems*, 19 (3), pp. 41-47.

WEB OF SCIENCE™

Scopus

2. \* Shadbolt, N., Berners-Lee, T. and Hall, W. (2006) The Semantic Web Revisited. *IEEE Intelligent Systems* 21(3), pp. 96-101.

WEB OF SCIENCE™

Scopus



3. Alani, H., Dupplaw, D., Sheridan, J., O'Hara, K., Darlington, J., Shadbolt, N. and Tullo, C. (2007) Unlocking the Potential of Public Sector Information with Semantic Web Technology. In, *The 6th International Semantic Web Conference (ISWC), Busan, Korea,*

Scopus



4. \* Alani, H., Hall, W., O'Hara, K., Shadbolt, N., Chandler, P. and Szomszor, M. (2008) Building a pragmatic Semantic Web. *IEEE Intelligent Systems*, 23, (3), 61-68.

WEB OF SCIENCE™

Scopus

## Grants supporting underpinning research

1. PI Shadbolt EPSRC Funded Advanced Knowledge Technologies (AKT) IRC £7.5m (2000-07 GR/N15764/01) AKT — rated outstanding scoring 35 out of 36 at final review

2. PI Shadbolt EPSRC Funding large Grant EnAKTinG the unbounded Web of Data £1.94m (2009-2012 EP/G008493/1)

3. PI Shadbolt EPSRC/DTI Market Blended Insight £0.8m (2006-2010 DT/E007104/1 )

4. PI Shadbolt EPSRC Programme Grant for SOCIAM — the theory and practice of Social Machines £6.15m (2012-2017 EP/J017728/1)

# Evidence of impact through 2\* outputs

If researchers move to a different institution before outputs were produced, the submitting HEI must make clear that the research was undertaken when the researcher was at that institution and it made a distinct and material contribution to the impact claimed.

The end of the period for the 2\* outputs (31 December 2020) extends beyond the end of the period for the impact (31 July 2020). This recognises that research may have had impact prior to the publication of the outputs.

2\* Outputs equates with quality that is recognised internationally for the criteria:  
**ORIGINALITY, SIGNIFICANCE AND RIGOUR'.**

# Underpinning outputs must meet all the criteria

*“Your manuscript is both good and original; but the part that is good is not original and the part that is original is not good.” (Dr Samuel Johnson 1709-1984).*



# Evidence of impact through 2\* outputs

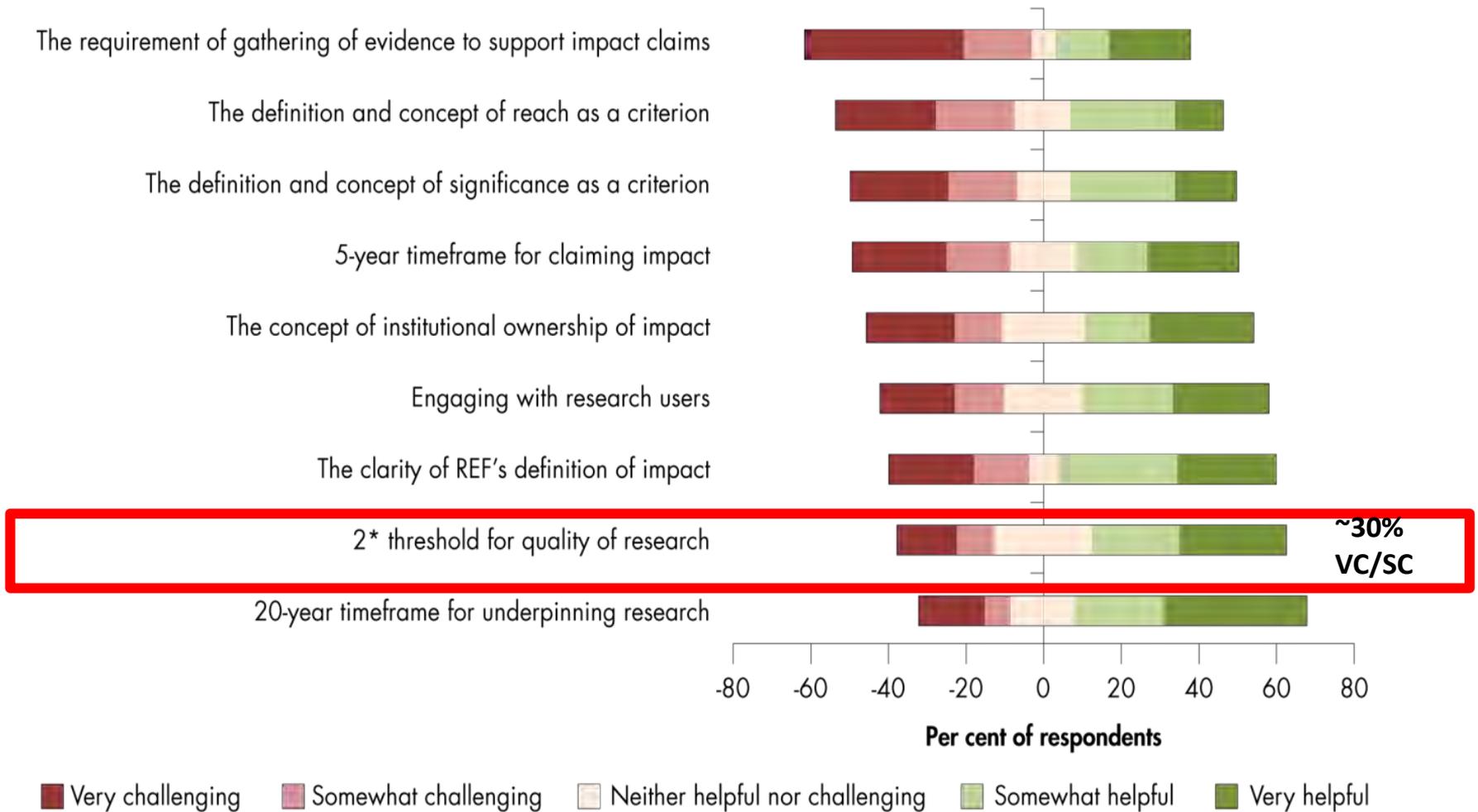
Underpinning  
Research at HEI(s)

Distinct and material  
contribution

Social,  
economic or  
cultural effect,  
change or  
benefit

- Evidenced by output(s) between **1 Jan 2000 – 31 Dec 2020**.
- Quality that is equivalent to **at least two star**.
- Up to 6 key references (not every output referenced has to be 2\*)
- Can include **proxy indicators** of quality

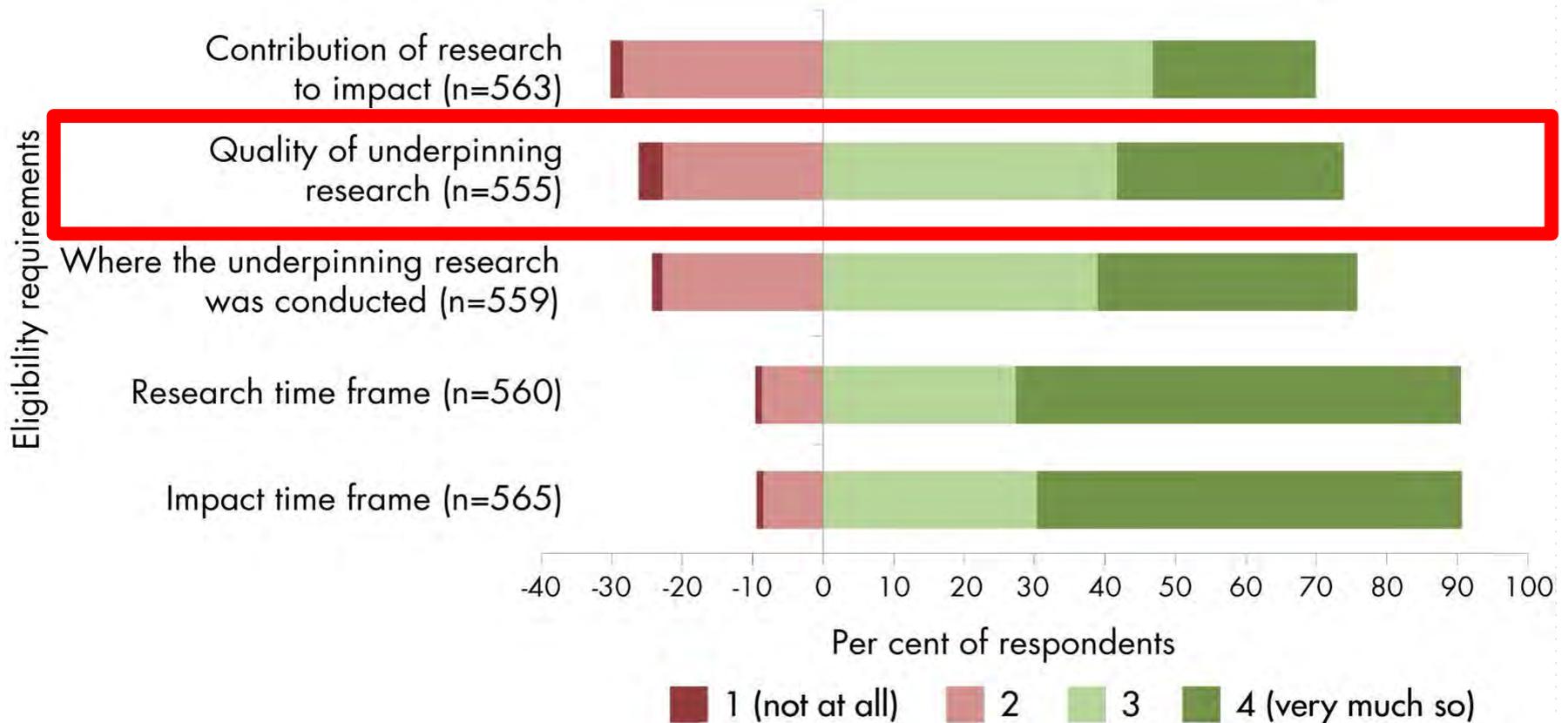
# Views of HEI's on Research Impact



(Susan Guthrie (2017). *Broader Impact: Changing criteria, changing behavior*. Rand Europe.)

# Views of REF Panel Members on Guidance for assessing Research Impact

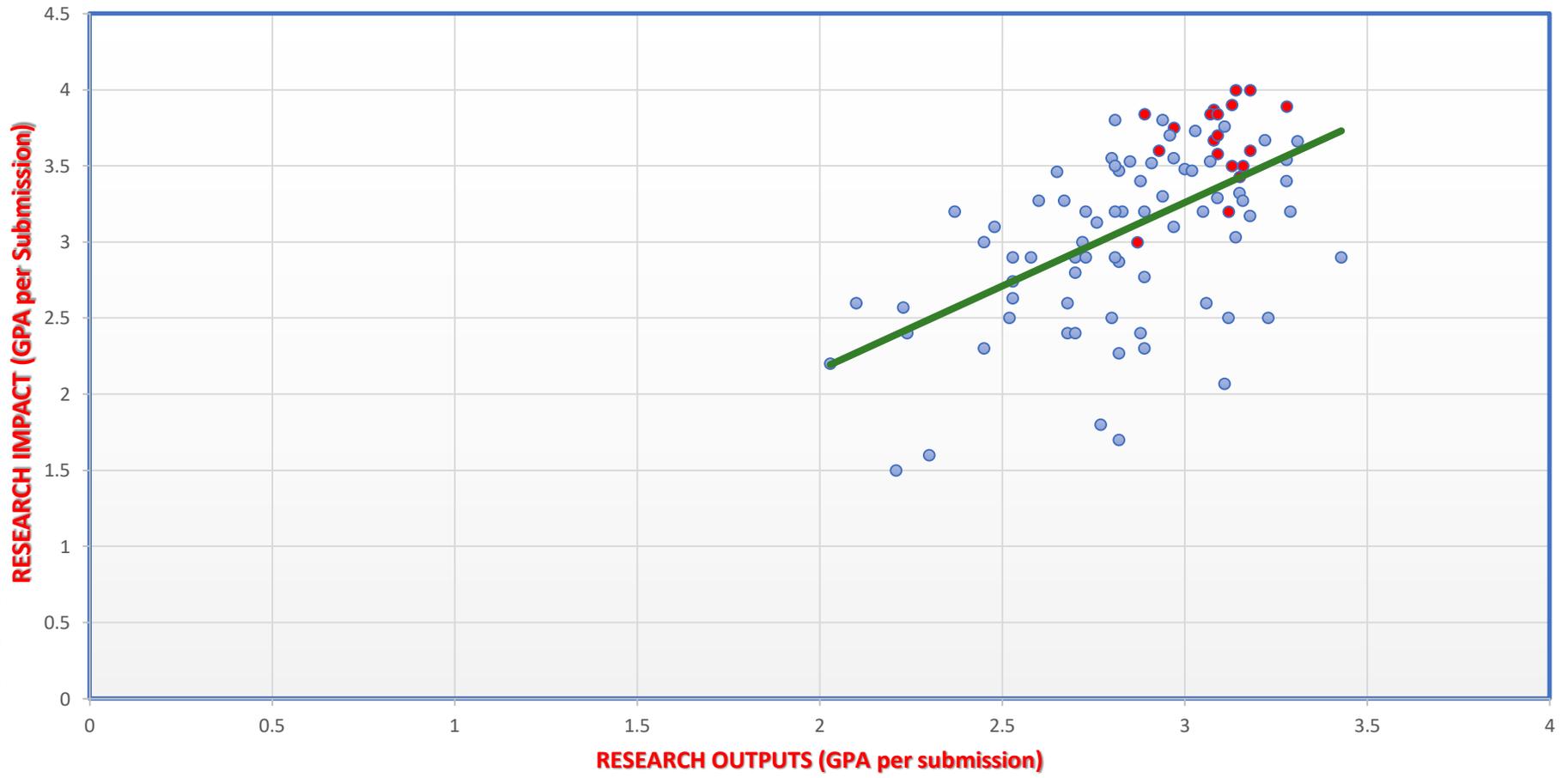
- Approximately 25% (n=555) of sub-panel members and impact assessors found it difficult to rate the criterion of the quality of underpinning research.



(Susan Guthrie (2017). *Broader Impact: Changing criteria, changing behavior*. Rand Europe).

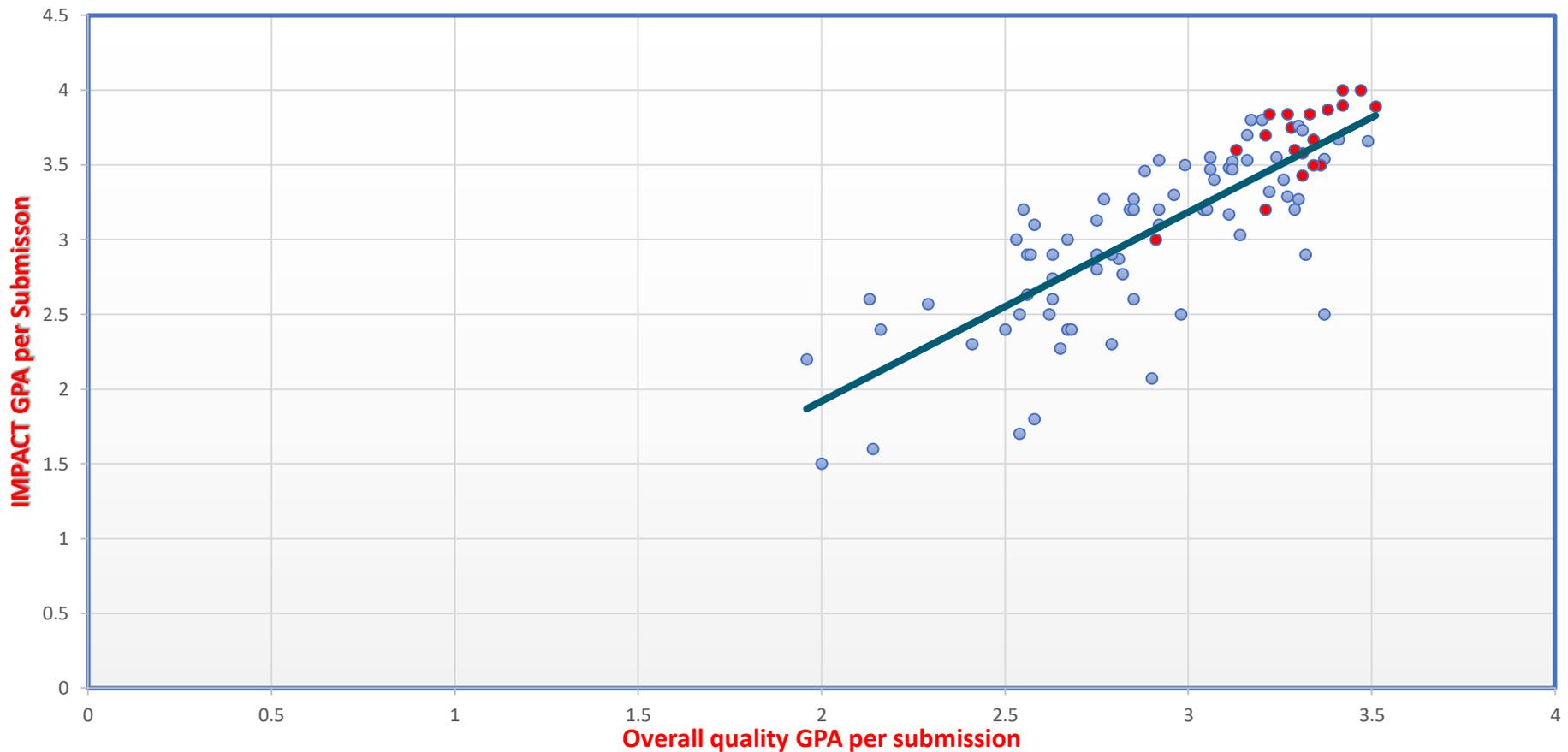
# UoA3 Research Outputs and Impact (n=94) (GPA 1.5=4.0) (GPA O=2.03-3.43)

Pearson 0.58



# UoA3 Overall Quality and Research Impact: (n=94) (GPA 1.5=4.0) (GPA 0=1.96-3.89)

Pearson= 0.83



# Impactful Researchers

RESEARCHER		IMPACT
Isaac Newton		laws of universal <b>Gravitation</b>
Michael Faraday		The 'Father of <b>Electricity</b> '
Charles Darwin		Science of <b>Evolution</b>
Gregor Mendel		Science of <b>Genetics</b>
Max Planck (NL)		Discovery of <b>Energy Quanta</b>
Albert Einstein (NL)		Theory of <b>Relativity</b>
Niels Bohr (NL)		Science of <b>Atomic Structure</b>
Francis Crick (NL)		The makeup of <b>DNA</b>
Peter Higgs (NL)		The <b>Higgs Boson</b>

# Publications Vs Impact

## Bibliometrics for Impactful Scientists

RESEARCHER	NO OF PUBS	CITATIONS	CITATIONS PER PUB	H-INDEX
Isaac Newton	4	7,468	1,867	4
Michael Faraday	23	6,288	273	18
Charles Darwin	29	84,575	2,916	27
Gregor Mendel	1	2,442	2,442	1
Max Planck	32	6,787	212	27
Albert Einstein	130	72,286	556	74
Niels Bohr	52	21,069	405	38
Francis Crick	65	43,758	673	54
Peter Higgs	5	11,903	2,381	5
Mean	41	26,306	1,182	29

Belikov, AV, Belikov, VV (2016) A formula to estimate a researcher's impact by prioritizing highly cited publications. BioRxiv. doi: <https://doi.org/10.1101/058990>

# Higgs Boson



# Ensuring that your work is impactful

- **Who** are the audiences for my outputs, and what are the potential/actual impacts on them?
- **When** should I engaged with stakeholders?
- **How** will I communicate and engage with stakeholders (not just disseminate)?
- **How** do I need to translate materials to meaningfully engage my stakeholders?
- **What** pathways do I need to follow to achieve impact?
- **How** can I best describe and evidence the pathway to impact?

# Ensuring that your work is impactful

- **How** will I track impact and demonstrate its achievement?
- **What** will the reach and significance of the impact be?
- **What** resources do I need in to realise impacts?
- **How** will I transfer knowledge into the domains it needs to be in for impact to occur?
- **What** impact is realistic within the project and what is expected longer term for a later REF?



# Outstanding Vs Weak Impact

Outstanding	Weak
<p>Gave clear indication of the underpinning research and explanation for its 2* (or above) quality.</p> <p><b>Gave clear explanation of how the research results had brought about the change, effect or benefit.</b></p> <p>Understood the distinction between dissemination and impact.</p> <p><b>Provided clear (and not overstated) account of the Reach and Significance of the impact.</b></p> <p>When corroborating sources were followed up, they justified the claims made.</p>	<p>Failed to set out the thread of evidence linking the research to the impact and to establish the 2* quality of the research.</p> <p><b>Focused on the reputation/esteem of the researcher and unit rather than the impact.</b></p> <p><b>Presented dissemination as impact.</b></p> <p><b>Made unconvincing or overstated claims of the Reach and Significance of the impact.</b></p> <p>When corroborating sources were followed up, they did not back up the claims made or did not respond.</p>

# Outstanding Vs Weak Impact

Outstanding	Weak
Evidence based statements.	<b>Excessive publication lists or URL links, some inaccessible.</b>
<b>Within the word limit and guidelines.</b> <b>(New mandatory fields for REF2021)</b>	<b>Did not adhere to guidelines.</b> <b>(e.g. research was not undertaken at the submitting institution)</b>
<b>A articulate, well written and interesting story.</b>	Lack of coherence and dense narrative, journalistic.
<b>The underpinning sciences was strong.</b>	<b>Has unnecessarily 'drummed up' or 'dumbed down' the narrative</b>
<b>Impact of CPD Programmes - Knowledge Transfer.</b>	2* threshold not met so Case study not assessed

# Research Impact: Further Information

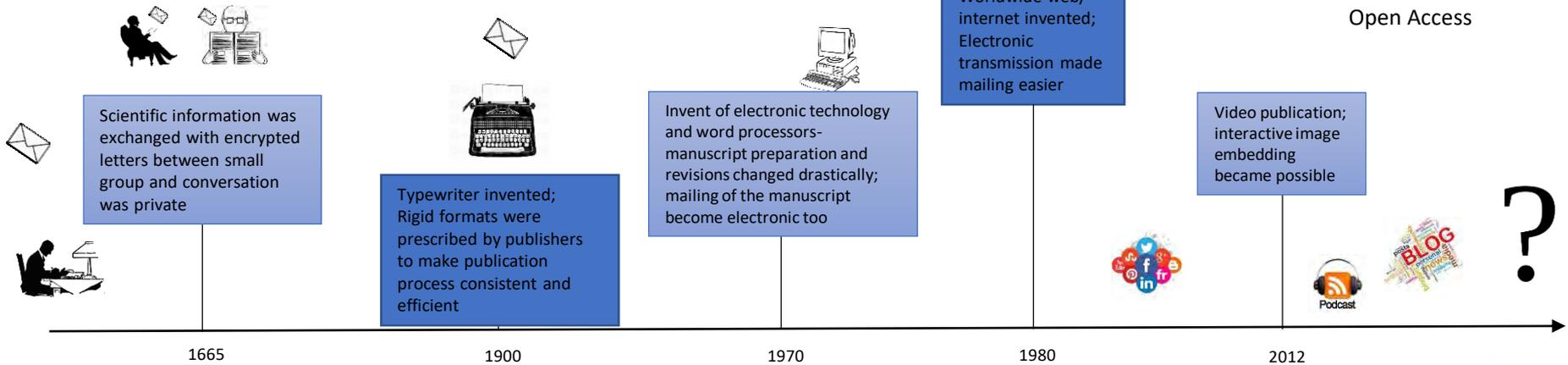
- <http://www.fasttrackimpact.com/single-post/2015/10/16/How-to-write-a-winning-research-impact-case-study>
- <http://impact.ref.ac.uk/CaseStudies/>
- <https://www.atn.edu.au/siteassets/publications/atngo8.pdf>
- <https://academic.oup.com/rev/article/23/1/21/2889056/Assessment-evaluations-and-definitions-of-research>



**Postgraduate research students  
and early career researchers  
and the publication process**

**Parveen Azam Ali**

# Academic Publishing: Changes over time



# Some Questions ECRs have?



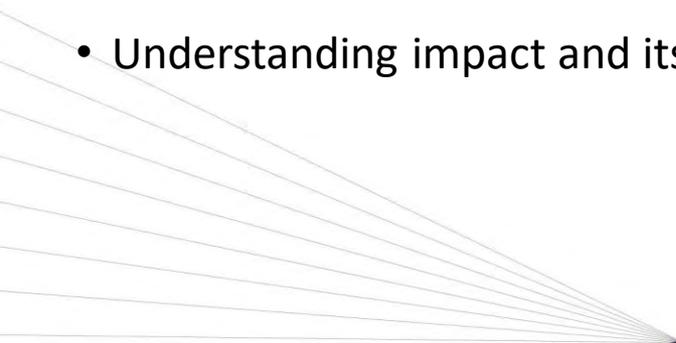
- Writing techniques
- Submission process
- Peer review process
- Dealing with rejections/ resubmissions?
- Where do publish?
- Quantity/ quality?



## Some Questions ECRs may have?

- Types of articles and intended purpose
  - Letters, short communications
  - Review articles (types of reviews)
  - Scholarly / opinion pieces
  - Research articles
  - Methodological papers?
- How to choose right journals
- Understanding journal matrix
- What is impact factor and does it matter
- Paper ranking for REF (3\* or 4\*) and how to achieve it
- Distinction between journals (predatory/ non-predatory) and does it matter?

## Other Challenges

- Conflicting Advice
  - Lack of Mentorship
  - Too many demands on time (for example: Peer reviewing)
  - Help available but not available
  - Can't ask question if you don't know what to ask
  - Lack of technical skills
  - Understanding impact and its various forms
- 
- 

## Some questions about future

- Will publishing in journals be so important in future?
  - What are other ways of sharing information?
  - Are results only relevant for researchers an scientific community?
  - What is impact and how it should be measured?
- 

**James Patrick Smith OBE FRCN**  
**4 May 1934 to 15 June 2018**

