

Bibliometrics: A Practical Approach

Metrics

- Individual
- Collaborative
- Altmetrics
- Relative / Normalized

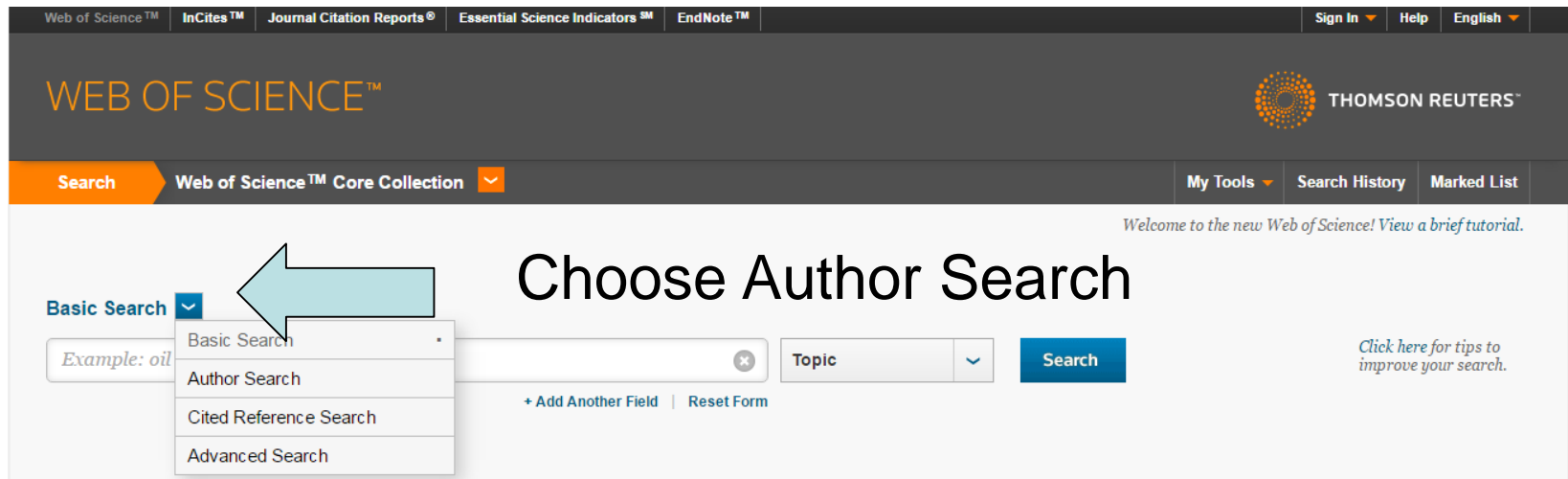
Individual Metrics

Individual Metrics

Three common questions

- Total number of publications
- Total number of citations
- Quality of journals – Impact Factor

Finding # Of Publications




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Current selection(s): **Maggio LA* (32)**

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Select the research domains associated with the author (optional)

Research Domain	Record Count
<input type="checkbox"/> All Research Domains	32
<input checked="" type="checkbox"/> LIFE SCIENCES BIOMEDICINE	21
<input type="checkbox"/> SOCIAL SCIENCES	11
<input type="checkbox"/> TECHNOLOGY	8

[◀ Previous](#) [Select Organization ▶](#) [Finish Search](#)

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Author Search

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Current selection(s): **Maggio LA* (32)**, in LIFE SCIENCES BIOMEDICINE OR Multidisciplinary Sciences (22)

Previous Finish Search

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Move to:
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

Organization Name Abbreviation	Record Count
<input type="checkbox"/> CALIFORNIA STATE UNIVERSITY SYSTEM	1
<input type="checkbox"/> CONSUMER REPORTS	1
<input type="checkbox"/> CONTENT RULES INC	1
<input type="checkbox"/> DOCGRAPH	1

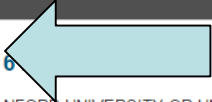
Include records that do not contain organization information

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- MEDICINE GENERAL INTERNAL (3)
- PRIMARY HEALTH CARE (2)

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Sort by: Publication Date -- newest to oldest Page 1 of 3

Search within results for...

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Year	Published Items
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2010	4
2011	3
2012	0
2013	2
2014	3
2015	3
2016	3
2017	2

The latest 20 years are displayed.

Citations in Each Year

Year	Citations
2010	1
2011	5
2012	15
2013	14
2014	25
2015	17
2016	30
2017	5

The latest 20 years are displayed.

Results found: 21

Sum of the Times Cited [?]: 112

Sum of Times Cited without self-citations [?]: 96

Citing Articles [?]: 97

Citing Articles without self-citations [?]: 89


Average Citations per Item [?]: 5.33



h-index [?]: 6

Sort by: Times Cited – highest to lowest


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<input type="checkbox"/>	1 CA-A CANCER JOURNAL FOR CLINICIANS	20,488	137.578	0.06231
<input type="checkbox"/>	2 NEW ENGLAND JOURNAL OF MEDICINE	283,525	59.558	0.68235
<input type="checkbox"/>	3 NATURE REVIEWS DRUG DISCOVERY	25,460	47.120	0.06273
<input type="checkbox"/>	4 LANCET	195,553	44.002	0.40717

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<input type="checkbox"/>	2 NEW ENGLAND JOURNAL OF MEDICINE	10,525	59.558	0.68235
<input type="checkbox"/>	BIOCHEMICAL RESEARCH METHODS	5,460	47.120	0.06273
<input type="checkbox"/>	BIOCHEMISTRY & MOLECULAR BIOLOGY	3,553	44.002	0.40717
<input type="checkbox"/>	BIODIVERSITY CONSERVATION	3,650	43.113	0.15711
<input type="checkbox"/>	BIOLOGY	1,545	39.416	0.08728
<input checked="" type="checkbox"/>	BIOPHYSICS	2,306	38.891	0.20761
<input type="checkbox"/>	BIOTECHNOLOGY & APPLIED MICROBIOLOGY			
<input type="checkbox"/>	BUSINESS			
<input type="checkbox"/>	BUSINESS, FINANCE			
<input type="checkbox"/>	CARDIAC & CARDIOVASCULAR SYSTEMS			

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- BIOCHEMISTRY & MOLECULAR BIOLOGY
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- BIOLOGY
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- BIOTECHNOLOGY & APPLIED MICROBIOLOGY
- BUSINESS
- BUSINESS, FINANCE
- CARDIAC & CARDIOVASCULAR SYSTEMS

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<input type="checkbox"/>	1	NATURE STRUCTURAL & MOLECULAR BIOLOGY	25,671	13.338	0.10397
<input type="checkbox"/>	2	Annual Review of Biophysics	2,310	11.625	0.01228
<input type="checkbox"/>	3	Physics of Life Reviews	1,124	8.615	0.00274
<input type="checkbox"/>	4	BIOCHIMICA ET BIOPHYSICA ACTA-REVIEWS ON CANCER	4,583	7.841	0.01051
<input type="checkbox"/>	5	CURRENT OPINION IN CHEMICAL BIOLOGY	9,752	7.643	0.02307
<input type="checkbox"/>	6	BIOSENSORS & BIOELECTRONICS	37,000	7.476	0.06121
<input type="checkbox"/>	7	QUARTERLY REVIEWS OF BIOPHYSICS	2,250	7.222	0.00358

h-Index



An index to quantify an individual's scientific research output

J. E. Hirsch*

Department of Physics, University of California at San Diego, La Jolla, CA 92093-0319

Communicated by Manuel Cardona, Max Planck Institute for Solid State Research, Stuttgart, Germany, September 1, 2005 (received for review August 15, 2005)

I propose the index h , defined as the number of papers with citation number $\geq h$, as a useful index to characterize the scientific output of a researcher.

- (i) Total number of papers (N_p). Advantage: measures productivity. Disadvantage: does not measure importance or impact of papers.
- (ii) Total number of citations ($N_{c, tot}$). Advantage: measures



h-Index

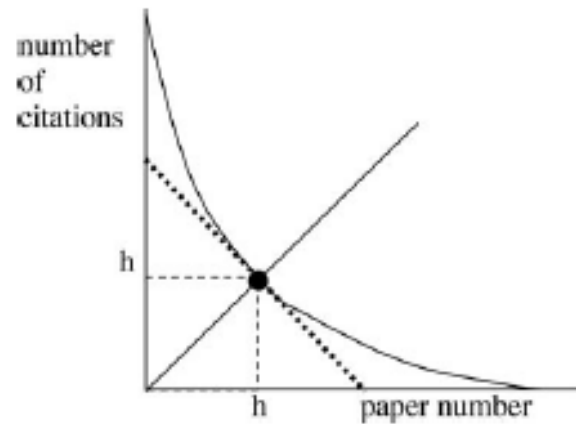


Fig. 1. Schematic curve of number of citations versus paper number, with papers numbered in order of decreasing citations. The intersection of the 45° line with the curve gives h . The total number of citations is the area under the curve. Assuming the second derivative is nonnegative everywhere, the minimum area is given by the distribution indicated by the dotted line, yielding $a = 2$ in Eq. 1.

Hirsch JE. An index to quantify an individual's scientific research output. *Proc Natl Acad Sci USA*. 2005;102(46):16569-16572. doi:10.1073/pnas.0507655102.

h-Index

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Citing Articles [?]: 97

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h-index [?]: 6

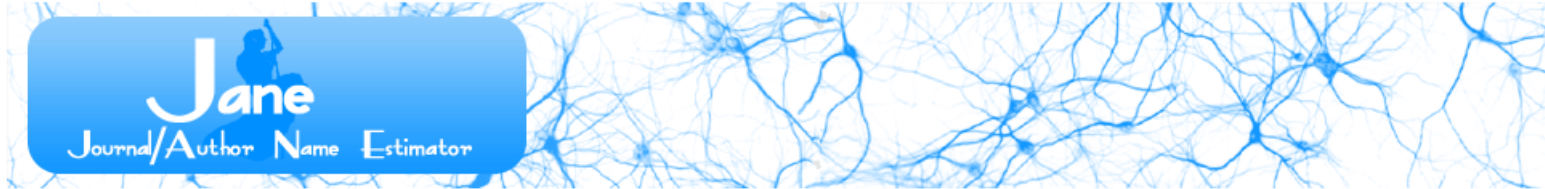
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PubMed PubReMiner

PubMed PubReMiner

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Goto PubMed with query **Create CV output**

Manual adjustment:
 AbstractLimit: 1000

Click on a hyperlink to add that element to your query and Re-Mine or select terms (OR boxes) and press 'Search Again'
 Click on the P to directly goto PubMed and view ALL references for that element
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Operator: AND Merge similar words: YES Minimalcount: 2

#OR	Year	#OR	Journal	#OR	Author	# Count	OR	Word	#OR	Mesh	#OR	Substances	#OR	publication type
2	2017	8	Acad Med	32	MAGGIO LA	26	112	MEDIC *	14	Humans	1	Glucagon	-	JOURNAL ARTICLE
5	2016	7	J Med Libr Assoc	6	TANNERY NH	23	35	METHOD *	10	/education	1	Hepatitis C Antibodies	4	REVIEW
6	2015	4	Acad Emerg Med	5	COATES WC	22	128	EDUCATE *	10	/standards	1	Immune Sera	2	RESEARCH SUPPORT N.I.H. EXTRAMURAL
4	2014	3	Perspect Med Educ	5	FARRELL SE	19	43	INFORME *	9	/methods	1	RNA, Viral	2	RESEARCH SUPPORT NON-U.S. GOVT
4	2013	2	Med Ref Serv Q	4	FISHER J	19	47	LITERATURE	8	Education, Medical	1		1	RESEARCH SUPPORT U.S. GOVT. NON-P.H.S.
2	2012	1	BMC Med Educ	4	KUHN GJ	19	29	TEACH *	5	/organization & administration	1		1	RESEARCH SUPPORT U.S. GOVT. P.H.S.
4	2011	1	BMJ Open	4	LIN M	18	21	CONCLUS *	4	Curriculum	1			
3	2010	1	Br J Clin Pharmacol	3	ARTINO AR JR	16	33	BASE *	4	Education, Medical/standards				
1	2009	1	Evid Based Med	3	MOORHEAD LL	16	34	INCLUDE *	4	Emergency Medicine/education				
1	2008	1	Gen Comp Endocrinol	3	O'BRIEN BC	16	35	MEDICINE	1	Emergency Medicine/education/standards				
1	1995	1	J Fam Pract	3	SHAYNE P	16	42	REVIEW *	4	Emergency Medicine				
		1	J Grad Med Educ	2	CATE OT	15	36	IDENTIFY *	4	Information Storage and Retrieval				
		1	PLoS One	2	CHEN HC	15	70	RESEARCH	4	Teaching				
		1	Telemed J E Health	2	IRBY DM	14	15	HUMAN *	4	United States				
		2		2	KANTER SL	14	26	LEARN *	4	/statistics & numerical data				
		2		2	O'BRIEN B	14	17	PROVIDE *	3	Biomedical Research/education				
		2		2	SEWELL JL	13	25	DESIGN *	3	Biomedical Research				
		2		2	STEINBERG RM	13	29	EVIDENCE	3	Evidence-Based Medicine				
		2		2	TEN CATE O	13	20	PRACTICE *	3	Librarians				
		2		2	VAN STIPHOUT F	13	33	TRAINING	3	Periodicals as Topic				
		2		2	WILLINSKY J	12	29	ARTICLE *	3	Program Evaluation				
		1		1	AARTS JE	12	34	CLINIC *	3	Teaching/methods				
		1		1	ALLEEN	12	13	EDUCATOR *	3	/immunology				
		1		1	BAILEY J	12	27	INTERVENT *	3	/metabolism				
		1		1	RANDA SS	11	27	LIBRARIAN *	3	/trends				
		1		1	BATES DW	10	16	APPROACH *	2	California				
		1		1	BEATTIE J	10	12	CENTER *	2	Computer-Assisted Instruction				

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Anne O'Tate

Anne O'Tate
Job ID: 21587

Search PubMed for maggio la

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> Important Words

Important Phrases
Important MeSH Pairs
Mine the Gap!
Topics
Authors
Author Count
Affiliations
Journals
Year
Clustered by Topic

	Important words	Frg
1	uptodate	5
2	librarian	3
3	sbm	7
4	pubmed	10
5	querying	4
6	eric	4
7	learner	4
8	educator	0
9	methodologically	4
10	appraise	4
11	instructor	3
12	featured	4
13	workflow	2
14	curricular	3
15	mastering	2
16	interprofessional	2
17	online	5
18	teaching	18
19	educational	14
20	exemplary	2

Restrict terms by semantic categories?

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Davies-Heerema, Theres

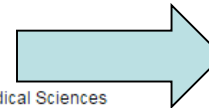
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Theresa A. Davies-Heerema, PhD

Title Assistant Professor
Institution Boston University School of Medicine
Department Medical Sciences & Education
Address 72 E. Concord St Instructional (L)
Boston MA 02118
Phone (617) 638-5242
Email tdavies@bu.edu
ORCID  0000-0001-6619-2648



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Other Positions

Title Director, M.S. in Oral Health Sciences Program
Institution Boston University School of Medicine, Division of Graduate Medical Sciences

Title Graduate Faculty (Primary Mentor of Grad Students)
Institution Boston University School of Medicine, Division of Graduate Medical Sciences

Websites

-  Director, M.S. in Oral Health Sciences Program
-  M.S. in Oral Health Sciences Program

Research Expertise & Professional Interests

Dr. Davies began her tenure at BUISM in the Department of Biochemistry over 30 years ago. After

Theresa's Networks

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Concepts ?

Alzheimer Disease
Blood Platelets
Thrombin
Platelet Activation
Amyloid beta-Protein Precursor

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BU Co-Authors ?

Fine, Richard
Simons, Elizabeth
Trinkaus-Randall, Vickery
Abraham, Carmela

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Similar BU People ?

Seshadri, Sudha
Farrer, Lindsay
Simons, Elizabeth
Ravid, Katya
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Concepts (96)

Concepts are derived automatically from a person's publications.

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In this concept 'cloud', the sizes of the concepts are based not only on the number of corresponding publications, but also how relevant the concepts are to the overall topics of the publications, how long ago the publications were written, whether the person was the first or senior author, and how many other people have written about the same topic. The largest concepts are those that are most unique to this person.

- Actins
- Adult
- Age Factors
- Aged
- Aged, 80 and over
- Alzheimer Disease**
- Amiloride
- Amyloid beta-Protein Precursor**
- Amyloid Precursor Protein Secretases**
- Animals
- Antibodies, Monoclonal
- Antibody Specificity
- Aspartic Acid Endopeptidases**
- Binding Sites
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- Megakaryocytes**
- Membrane Potentials**
- Membrane Proteins

Theresa's Networks

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BU Co-Authors [?]

- [Fine, Richard](#)
- [Simons, Elizabeth](#)
- [Trinkaus-Randall, Vickery](#)
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Similar BU People [?]

- [Seshadi, Sudha](#)
- [Farrer, Lindsay](#)
- [Simons, Elizabeth](#)
- [Ravid Katva](#)

Need More MeSH Terms?

MeSH On Demand

The screenshot shows the MeSH On Demand web application interface. At the top, there is a dark blue header with the NIH logo and the text "U.S. National Library of Medicine". A search bar is located on the right side of the header. Below the header, there is a navigation menu with links for "Databases", "Find, Read, Learn", "Explore NLM", "Research at NLM", and "NLM for You". On the right side of the navigation menu, there is a link for "NLM Customer Support" and social media icons for email, RSS, Facebook, and YouTube.

The main content area has a white background. On the left side, there is a green box with the MeSH logo and the text "MeSH on Demand". To the right of this box, there is a list of bullet points:

- **MeSH on Demand** identifies MeSH Terms in your text using the [NLM Medical Text Indexer \(MTI\)](#) program. After processing, MeSH on Demand returns a list of MeSH Terms relevant to your text. For more information about MeSH on Demand, please see our [NLM Technical Bulletin article](#). **For electronic copies of recently presented posters on MeSH on Demand applications please send your requests to: NLMMESH-MOD@mail.nih.gov.**
- **Please Note:** This tool is NOT intended for processing personally identifiable, sensitive or protected-health information. The system is not configured for secure communications. It is your responsibility to NOT submit any personally identifiable, sensitive or protected-health information.
- **MeSH on Demand** does not retain or otherwise reuse any text submitted for processing.

Below the list of bullet points, there is a large yellow box containing a text input field and two buttons. The text input field is labeled "Text to be Processed (Single block of text, maximum 10,000 characters):". To the right of the text input field, there is a button labeled "Find MeSH Terms" and a button labeled "Reset Form".

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







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1. Cognitive reserve as a modifier of clinical expression in chronic traumatic encephalopathy: A preliminary examination.



Academic Journal

Alosco, Michael L.; Mez, Jesse; Kowall, Neil W.; Stein, Thor D.; Goldstein, Lee E.; Cantu, Robert C.; Katz, Douglas I.; Solomon, Todd M.; Kiernan, Patrick T.; Murphy, I. Nowinski, Christopher J.; Stern, Bruce N. *Journal of Neuropsychiatry and Clinical Neurosciences*, Vol 29(1), Win 2017 pp. 6-12. Publisher: Am

Subjects: Athletes; Autopsy; Encephalopathy; Traumatic Brain Injury; Aged (65 yrs & older); Aged (18 yrs & older)



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2. Lateralization of ERPs to speech in the early development of Autism Spectrum Disorder.



Academic Journal

Finch, Kayla H.; Seery, Anne M.; Tager-Flusberg, Helen; Lord, Catherine A.; Tager-Flusberg, Helen; Journal of Neurodevelopmental Disorders, Vol 9, Dec, 2017 ArtID: 4

Subjects: Autism Spectrum Disorder; Language Development; Communication; Adulthood (18 yrs & older); Male; Female



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Article Information

JAMA. 2017;317(13):1303-1305. doi:10.1001/jama.2017.0653



Alumni Medical Library

Altmetric in BU Profiles

1. Vasilescu DM, Phillion AB, Tanabe N, Kinose D, Paige DF, Kantrowitz JJ, Liu G, Liu H, Fishbane N, Verleden SE, Vanaudenaerde BM, Lenburg M, Stevenson CS, Spira A, Cooper JD, Hackett TL, Hogg JC. Nondestructive cryomicro-CT imaging enables structural and molecular analysis of human lung tissue. *J Appl Physiol* (1985). 2017 Jan 01; 122(1):161-169. [View Related Profiles](#). PMID: 27856720.  3
2. Rahman SM, Ji X, Zimmerman LJ, Li M, Harris BK, Hoeksema MD, Trenary IA, Zou Y, Qian J, Slebos RJ, Beane J, Spira A, Shyr Y, Eisenberg R, Liebler DC, Young JD, Massion PP. The airway epithelium undergoes metabolic reprogramming in individuals at high risk for lung cancer. *Cell Insights*. 2016 Nov 17; 4(19):e88814. [View Related Profiles](#). PMID: 27882349.  8
3. Kusko RL, Brothers JF, Tedrow J, Pandit S, Wang T, Corbett S, Jackson GF, Ziegler KL, Seisler DK, Midhun DE, Mao JT, Aubry MC, McWilliams A, Sin DD, Shaipanich T, Liu G, Johnson E, Bild A, Lenburg ME, Ionescu DN, Mayo J, Yi JE, Tazelaar H, Harmsen WS, Smith J, Spira AE, Beane J, Limburg PJ, Szabo E. A Randomized Phase IIb Trial of myo-Inositol in Smokers with Bronchial Dysplasia. *Cancer Prev Res (Phila)*. 2016 Dec; 9(12):906-914. [View Related Profiles](#). PMID: 27658890.  1
4. Moses E, Wang T, Corbett S, Jackson GF, Ziegler KL, Seisler DK, Midhun DE, Mao JT, Aubry MC, McWilliams A, Sin DD, Shaipanich T, Liu G, Johnson E, Bild A, Lenburg ME, Ionescu DN, Mayo J, Yi JE, Tazelaar H, Harmsen WS, Smith J, Spira AE, Beane J, Limburg PJ, Szabo E. A Randomized Phase IIb Trial of myo-Inositol in Smokers with Bronchial Dysplasia. *Cancer Prev Res (Phila)*. 2016 Dec; 9(12):906-914. [View Related Profiles](#). PMID: 27658890.  9
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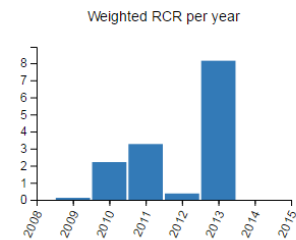
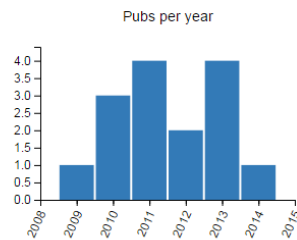
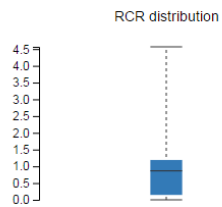
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Questions?

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