

Publishing for impact

Wouter Gerritsma
Wageningen UR Library



Contents

- Introduction
- Impact
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- Self citations and more
- What's in a name

Not your average publishing tips

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PLOS COMPUTATIONAL BIOLOGY

Editorial

Ten Simple Rules for Getting Published

Philip E. Bourne

The Top 10 Publishing Do's and Don'ts

Getting your Research Published in an International Journal

Peter Goldsmith, Executive Editor, International Food and Agribusiness Management Review

Dos and Don'ts for Authors and Reviewers

Collected articles based upon presentations given
at a special session of the AAI Publications Committee
at IMMUNOLOGY 2009™ in Seattle, Washington
May 10, 2009

PUBLICATIONS

Publish like a pro

Prolific authors and journal editors share how to get
manuscripts noticed, approved and put in print.

BY KENDALL POWELL

of the National Academy of Sciences USA. Several weeks later it was accepted.

Impact

Determining Relative Impact: An example

- Frewer, L.J.; Hunt, S.; Brennan, M.; Kuznesof, S.; Ness, M.; Ritson, C. (2003) The views of scientific experts on how the public conceptualize uncertainty. *Journal of Risk Research* 6 (1):75 - 85.
 - Times cited from WoS: **57** times
- *Journal of Risk Research* (from journals menu ESI)
 - Social Science, General
- Baseline data (from ESI)
 - Article from 2003 in Social Science, general: Average: 7.04 citations, 10%: 18 citations, 1%: 56 citations
- $RI = 57 / 7.04 = \mathbf{8.1}$

Wageningen Yield: all information at hand



Wageningen Yield

wageningen ur (home) > digital library > wageningen yield

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- Specials

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All fields: <input type="text"/>	Show publication of:	Show Publica
Title word: <input type="text"/>	<input checked="" type="radio"/> All organizations	<input type="checkbox"/> Containing
Author: <input type="text"/>	<input type="radio"/> Wageningen UR	
Year of publication: 2002-2009	<input type="radio"/> Wageningen University	
Reporting year: <input type="text"/>	<input type="radio"/> Research Institutes	

[Hide form](#) for organization and project

Research Institute: <input type="text"/>	Graduate School: <input type="text"/>	Research T <input type="text"/>
Chair Group: <input type="text"/>	Project: <input type="text"/>	Project: <input type="text"/>

- Environmental Econom... (ENR)
- Laboratory of Entomo... (ENT)
- Environmental System... (ESA)
- Earth System Science... (ESS)
- Erosion and Soil and... (ESW)
- Sub-department of En... (ETE)
- Experimental Zoology... (EZO)**
- Food Chemistry Group (FCH)
- Forest Ecology and F... (FEM)
- Food Microbiology La... (FHM)
- Business Economics G... (FMA)

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- ▾ Specials

Basic search Advanced search Author search Affiliation search Search result

Search results for: (dept=EZO AND year of publication=2002 2003 2004 2005 2006 2007 2008 2009)

Records 1 - 215 / 215

Search within results

Results are sorted by year

? Output:

The effect of trans-10, cis-12 conjugated linoleic acid on gene expression profiles related to lipid metabolism in human intestinal-like Caco-2 cells [more info ...](#)

Murphy, E.F. ; Hooiveld, G.J.E.J. ; Muller, M. ; Calogero, R.A. ; Cashman, K.D. \ 2009

Article in refereed journal

We conducted an in-depth investigation of the effects of conjugated linoleic acid (CLA) on the expression of key metabolic genes and genes of known importance in intestinal lipid metabolism using the Caco-2 cell model. Cells were treated with 80 µmol/L of linoleic acid (control), trans-10, cis-12 CLA or cis-9, trans-11 CLA. RNA was isolated from

Ingenieur maakt perfecte natuurmodellen (interview met D. Lentink) [more info ...](#)

Maanen, G. van; Lentink, D. \ 2009

*Article in journal aimed at the general public***A leading edge vortex slows down the descent of maple seeds** [more info ...](#)

Lentink, D. ; Dickson, W. ; Leeuwen, J.L. van; Dickinson, M.H. \ 2009

*Abstract in scientific journal or proceedings***The scalable design of flapping micro air vehicles inspired by insect flight** [more info ...](#)

Lentink, D. ; Jongerius, S.R. ; Bradshaw, N.L. \ 2009

Peer reviewed book chapter

Here we explain how flapping micro air vehicles (MAVs) can be designed at different scales, from bird to insect size. The common believe is that micro fixed wing airplanes and helicopters outperform MAVs at bird scale, but become inferior to flapping MAVs at the scale of insects as small as fruit flies. Here we present our experience with designing.....

Modeling optical behavior of birefringent biological tissues for evaluation of quantitative polarized light microscopy [more info ...](#)

Turnhout, M.C. van; Kranenbarg, S. ; Leeuwen, J.L. van \ 2009

Article in refereed journal

Quantitative polarized light microscopy (qPLM) is a popular tool for the investigation of birefringent architectures in biological tissues. Collagen, the most abundant protein in mammals, is such a birefringent material. Interpretation of results of qPLM in terms of collagen network architecture and anisotropy is challenging, because different coll.....

Biophysics thesis award [more info ...](#)

Lentink, D. \ 2009

Waarom is het vogelbekdier een zoogdier? (interview met: J.L. van Leeuwen) [more info ...](#)

Wilman, S. ; Leeuwen, J.L. van \ 2009

Article in journal aimed at the general public

Print

Bibliometric analysis of WUR publications for (dept=EZO AND year of publication=2002 2003 2004 2005 2006 2007 2008 2009 AND isi-nummer=*)

Research Field	N	C	Wavg	CPP	CI	RI	%T10 (T10)	%T1 (T1)	%NC (NC)
Biology & Biochemistry	19	194	226.80	10.21	0.86	0.89	5% (1)	0% (0)	16% (3)
Clinical Medicine	4	46	52.54	11.50	0.88	1.03	0% (0)	0% (0)	0% (0)
Engineering	2	10	4.93	5.00	2.03	2.55	50% (1)	0% (0)	0% (0)
Environment/Ecology	4	31	49.29	7.75	0.63	0.60	0% (0)	0% (0)	0% (0)
Immunology	1	11	21.83	11.00	0.50	0.50	0% (0)	0% (0)	0% (0)
Mathematics	1	4	5.62	4.00	0.71	0.71	0% (0)	0% (0)	0% (0)
Molecular Biology & Genetics	8	38	209.66	4.75	0.18	0.37	0% (0)	0% (0)	13% (1)
Physics	1	6	7.33	6.00	0.82	0.82	0% (0)	0% (0)	0% (0)
Plant & Animal Science	33	202	212.25	6.12	0.95	1.10	3% (1)	0% (0)	9% (3)
All research fields	73	542	790.25	7.42	0.69	0.96	4% (3)	0% (0)	10% (7)

Year of publication	N	C	Wavg	CPP	CI	RI	%T10 (T10)	%T1 (T1)	%NC (NC)
2002	6	26	160.39	4.33	0.16	0.31	0% (0)	0% (0)	0% (0)
2003	9	59	141.30	6.56	0.42	0.53	0% (0)	0% (0)	22% (2)
2004	11	168	161.84	15.27	1.04	1.06	0% (0)	0% (0)	0% (0)
2005	10	124	146.47	12.40	0.85	0.89	10% (1)	0% (0)	0% (0)
2006	7	36	56.71	5.14	0.63	0.66	0% (0)	0% (0)	0% (0)
2007	10	56	65.89	5.60	0.85	1.10	10% (1)	0% (0)	10% (1)
2008	10	56	42.05	5.60	1.33	1.43	10% (1)	0% (0)	20% (2)
2009	10	17	15.60	1.70	1.09	1.29	0% (0)	0% (0)	20% (2)
All years	73	542	790.25	7.42	0.69	0.96	4% (3)	0% (0)	10% (7)

EZO article impact

References (grouped by WoS Output)

Scientific articles in refereed journals

- Ateweberhan, M.; Bruggemann, J.H.; Breeman, A.M. (2005)
Seasonal patterns of biomass, growth and reproduction in *Dictyota cervicornis* and *Stoechospermum polypodioides* (Dictyotales, southern Red Sea (Eritrea)
Botanica Marina 48 (1). - p. 8 - 17.

[WoS:000228062000002](#); TC: 6; RF: Plant & Animal Science; RI: 0.76;
- Ateweberhan, M.; Bruggemann, J.H.; Breeman, A.M. (2005)
Seasonal dynamics of *Sargassum ilicifolium* (Phaeophyta) on a shallow reef flat in the southern Red Sea (Eritrea)
Marine Ecology Progress Series 292 . - p. 159 - 171.

[WoS:000229927900014](#); TC: 7; RF: Environment/Ecology; RI: 0.60;
- Bos, F.M.; Lentink, D.; Oudheusden, B.W. van; Bijl, H. (2008)
Influence of wing kinematics on aerodynamic performance in hovering insect flight
Journal of Fluid Mechanics 594 . - p. 341 - 368.

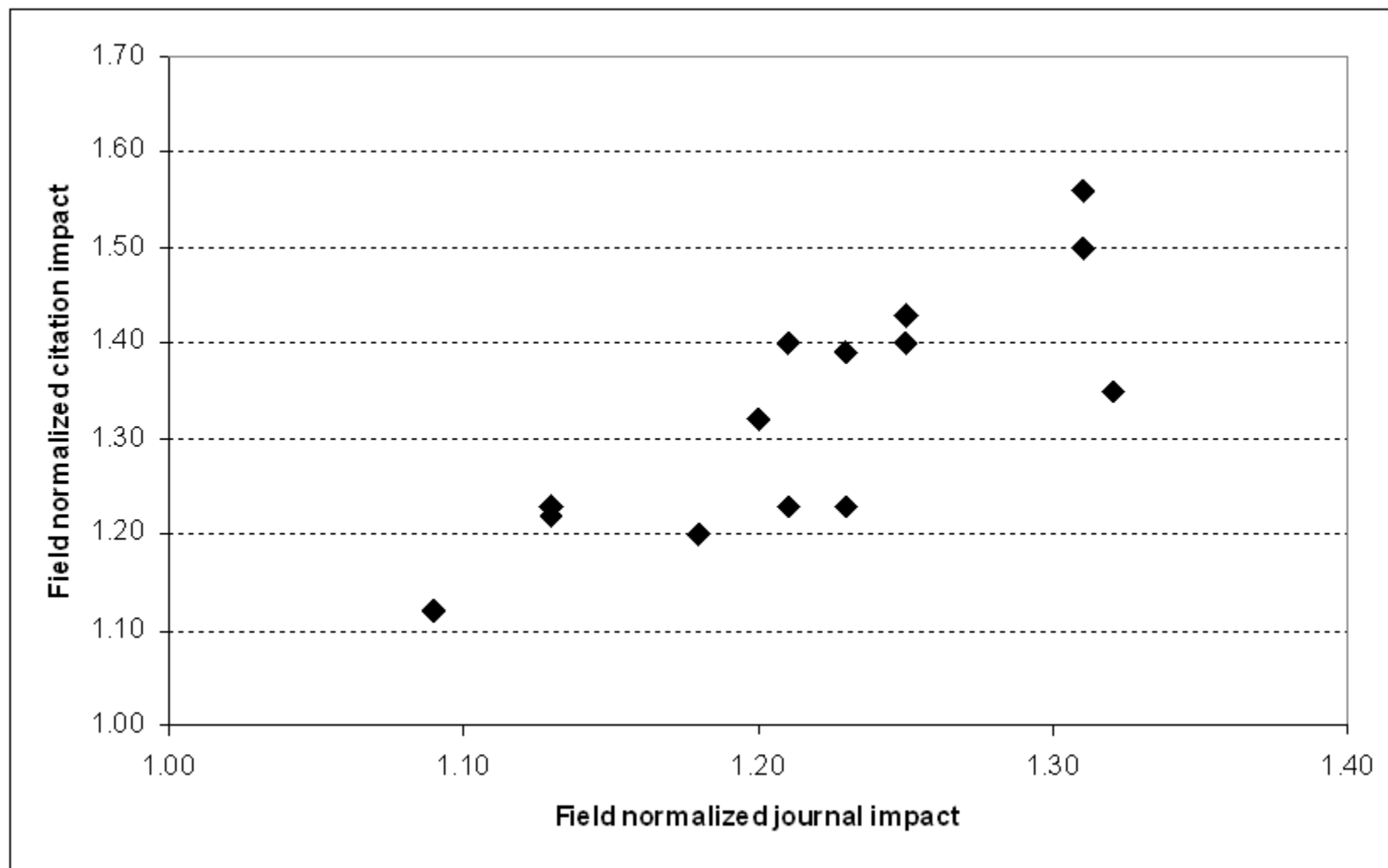
[WoS:000252718800013](#); TC: 8; RF: Engineering; RI: 4.47; [Top 10% publication]
- Cocq, P. de; Prinsen, H.; Springer, N.C.N.; Weeren, P.R. van; Schreuder, M.; Muller, M.; Leeuwen, J.L. van (2009)
The effect of rising and sitting trot on back movements and head-neck position of the horse
Equine Veterinary Journal 41 (5). - p. 423 - 427.

[WoS:000265896900003](#); TC: 2; RF: Plant & Animal Science; RI: 2.27;
- Cocq, P. de; Clayton, H.M.; Terada, K.; Muller, M.; Leeuwen, J.L. van (2009)
Usability of normal force distribution measurements to evaluate asymmetrical loading of the back of the horse and different rider p
The Veterinary Journal 181 (3). - p. 266 - 273.

[WoS:000267187100010](#); TC: 2; RF: Plant & Animal Science; RI: 2.27;

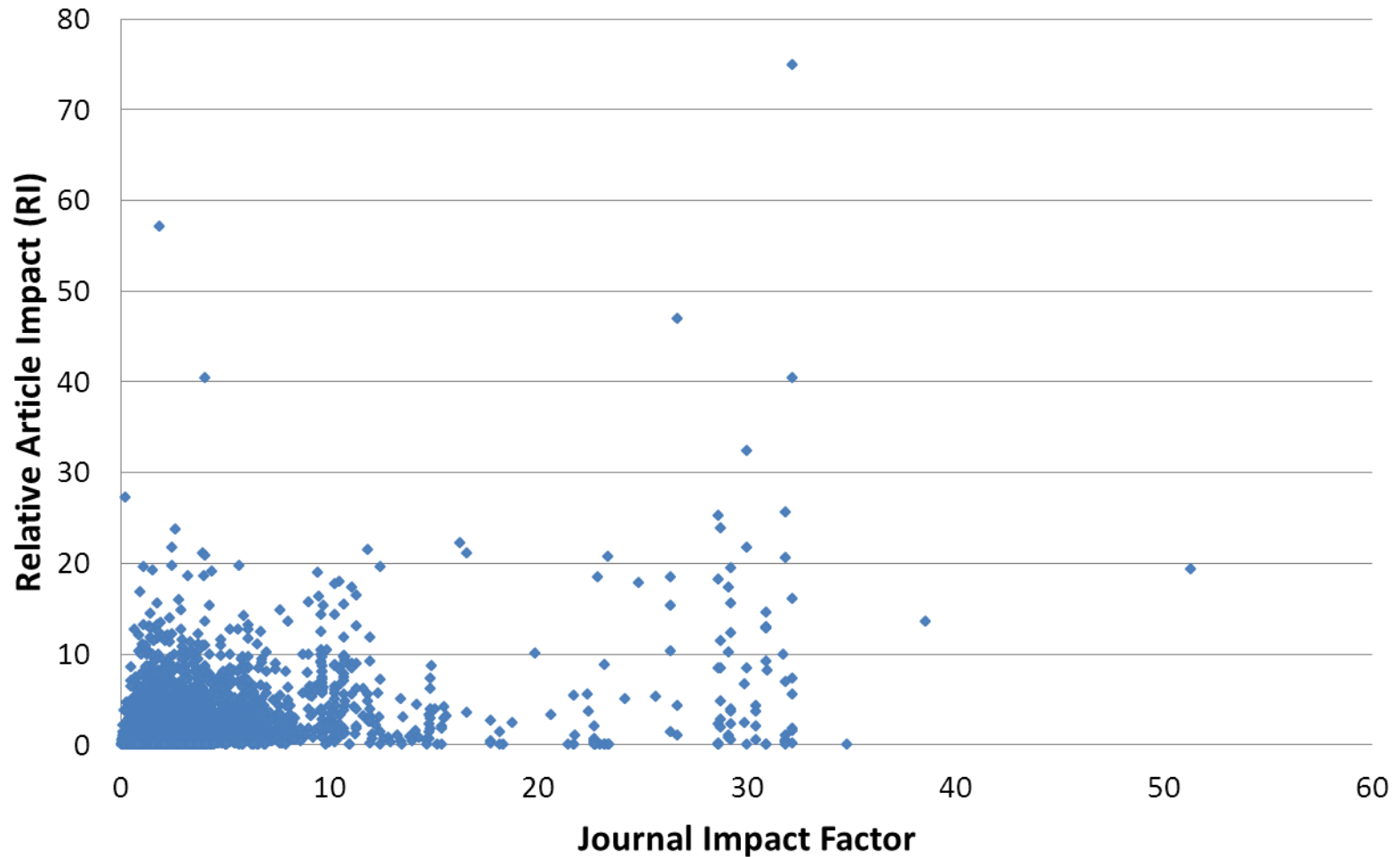
Journal selection

Journal selection and impact of Dutch Univ.



NOWT (2008). *Wetenschaps- en Technologie- Indicatoren 2008*. Maastricht, Nederlands Observatorium van Wetenschap en Technologie (NOWT). <http://www.nowt.nl/>

Journal selection and article impact

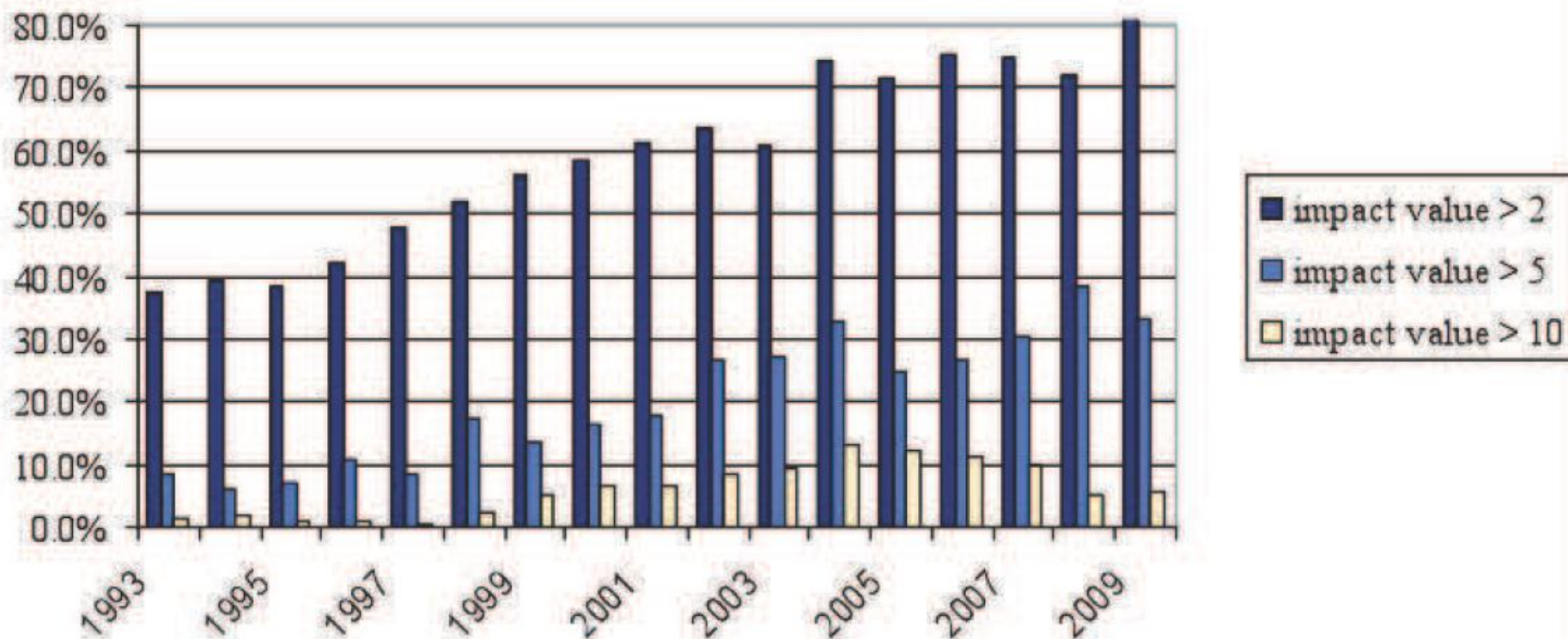


JIF and RI Wageningen UR 2002-2007

	Pubs	RI	St. Dev.
Q1	5684	1.99	1.36
Q2	2692	1.21	1.11
Q3	1366	0.84	1.80
Q4	523	0.55	2.85

Journal selection at EPS

Percentage of publications in high impact journals



Journal selection and impact at EPS

JIF	Pubs	RI	St. Dev.
> 10	55	8.73	8.73
5 < 10	156	4.07	3.64
2 < 5	444	1.93	2.08
0 < 2	326	1.35	3.51

The impact factor Matthew effect

The journal in which papers are published have a strong influence on their citation rates, as duplicate papers published in high-impact journals obtain, on average, twice as many citations as their identical counterparts published in journals with lower impact factors..

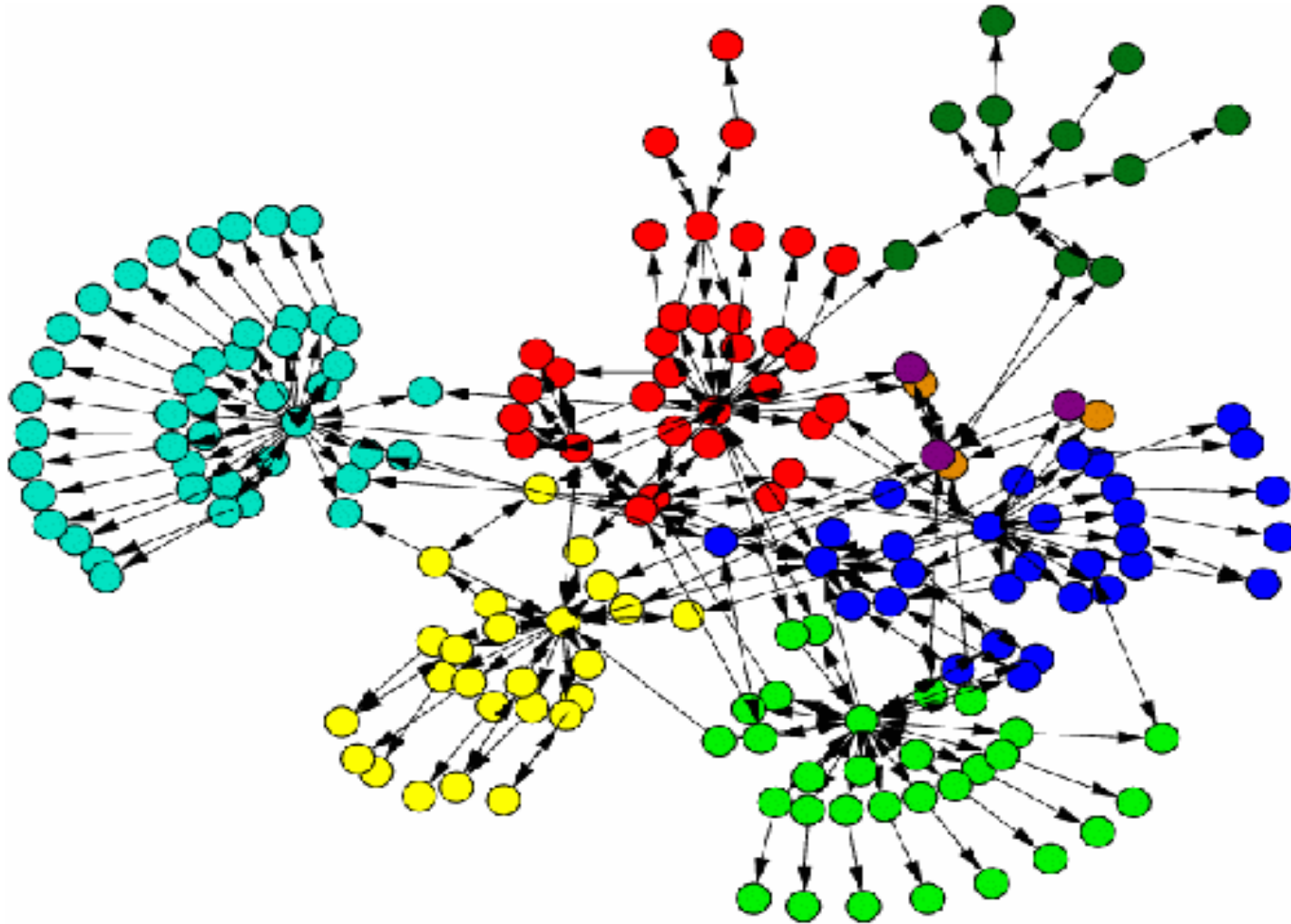
Larivière, V. and Y. Gingras (2010). The impact factor's Matthew Effect: A natural experiment in bibliometrics. *Journal of the American Society for Information Science and Technology* **61**(2): 424-427. <http://dx.doi.org/10.1002/asi.21232>

Final word on journal selection

It is better to publish one paper in a quality journal than multiple papers in lesser journals. [...]. Try to publish in journals that have high impact factors; chances are your paper will have high impact, too, if accepted.

Bourne, P. E. (2005). Ten Simple Rules for Getting Published.
PLoS Comput Biol 1(5): e57. <http://dx.doi.org/10.1371/journal.pcbi.0010057>

Networking



International cooperation

University	No Cooperation		International Cooperation	
	% output	Impact	% output	Impact
EUR	16	1.13	40	2.00
RUG	23	1.07	39	1.43
RUN	20	0.94	39	1.46
TUD	33	1.24	43	1.52
TUE	29	1.50	41	1.52
UL	20	0.90	46	1.38
UM	16	0.90	42	1.48
UT	33	1.33	37	1.36
UU	21	1.54	39	1.61
UvA	20	1.15	43	1.64
UvT	25	1.15	42	1.21
VUA	18	1.15	43	1.68
WUR	21	1.12	49	1.27
Total	25	1.15	44	1.53

Cooperation is effective

University	Field Normalized Article Impact		
	Single author address	National Co-publication	International Co-publication
EUR	1.09	1.16	1.91
TUE	1.51	1.47	1.37
VUA	1.17	1.13	1.68
UvA	1.19	1.16	1.63
TUD	1.52	1.13	1.41
LEI	0.99	1.15	1.59
UT	1.25	1.35	1.41
UU	1.09	1.14	1.61
RU	1.03	1.06	1.66
RUG	1.12	1.08	1.51
WUR	1.02	1.23	1.37
UM	0.87	1.07	1.50
UvT	0.91	0.89	1.02

NOWT (2010). *Wetenschaps- en Technologie- Indicatoren 2010*. Maastricht, Nederlands Observatorium van Wetenschap en Technologie (NOWT).

Cooperation...

Teams increasingly dominate solo authors in the production of knowledge. Research is increasingly done in teams across nearly all fields.

Teams typically *produce more frequently cited research* than individuals do, and this advantage has been increasing over time.

Teams now also produce the exceptionally high-impact research, even where that distinction was once the domain of solo authors.

Wuchty, S., B. F. Jones, *et al.* (2007). The increasing dominance of teams in production of knowledge. *Science* 316(5827): 1036-1039.
<http://dx.doi.org/10.1126/science.1136099>

Networking is important!

Start early, make use of social networking tools

- LinkedIn
- Facebook
- Social networks for scientists
 - Academics.edu, Nature networks, Labmeeting

Social networking for Scientists

Louise Vet

Director Netherlands Institute of Ecology (NIOO-KNAW)
Utrecht Area, Netherlands



→ [Contact Louise Vet](#)

→ [Add Louise Vet to your network](#)

- Current**
- Director at Netherlands Institute of Ecology (NIOO-KNAW)
 - Director Netherlands Institute of Ecology at KNAW
 - Professor in Evolutionary Ecology at Wageningen University

- Past**
- Lecturer/Professor at Wageningen University

- Education**
- Universiteit Leiden

Connections  237 connections

Industry Research

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- Get introduced to **Louise Vet**
- Contact **Louise Vet** directly

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Others named Louise Vet:

Louise Sterk, social work at Warande
Netherlands

[More professionals named Louise Vet »](#)

Louise Vet's Summary

Professor in Evolutionary Ecology at Wageningen University and Director of the Netherlands Institute of Ecology.

Name Search:

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3600 BG Maarssen
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Curriculum Vitae

<http://tinyurl.com/knaw-lvet> to download my publications



SOME HISTORY:

I graduated in 1978 at Leiden University with majors in plant ecology, limnology/hydrobiology and animal ecology. During the last few years of my studies I taught biology, part-time, at a Leiden high-school. A Fulbright-Hays competitive grant allowed me to conduct a year's research at the Department of Entomology, University of California, Riverside, USA, comparing the life histories of several whitefly parasitoid species (1978-1979). From 1980 to 1984 I conducted my PhD at the Department of Animal Ecology of Leiden University, working on the comparative ecology of hymenopterous parasitoids. During the end of this period I was appointed at the Laboratory of Entomology, Wageningen University to work on mechanisms and function of behavioural variability (especially through learning) in insects. This work included experimental chemical ecology and behavioural ecology of insects in a multi-trophic context, with an emphasis on plant-parasitoid interactions. Important results were the recognition of



FUNCTION & DEPARTMENT:

Director NIOO-KNAW and senior researcher Terrestrial Ecology
Central Management and Services

DETAILS:

- > [CV](#)
- > [Selected Publications](#)
- > [Links](#)

ResearcherID

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Vet, Louise E.M.

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ResearcherID: **B-1342-2009**

My Institutions ([more details](#))

URL: <http://www.researcherid.com/rid/B-1342-2009>

Primary Institution: **Netherlands Institute of Ecology, NIOO-KNAW**

Sub-org/Dept:

Role: **Researcher (Academic)**

Publications

My Publications (121)

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[Citation Metrics](#)

Publication List: View

121 publication(s)

◀◀ Page of 13 ▶▶

Sort by: ▼

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- Title: [ECOLOGY OF INFOCHEMICAL USE BY NATURAL ENEMIES IN A TRITROPHIC CONTEXT](#) added 08-Apr-09

Author(s): VET, LEM; DICKE, M

Source: **ANNUAL REVIEW OF ENTOMOLOGY** Volume: 37 Pages: 141-172 Published: 1992

Times Cited: 726
- Title: [AN AIR-FLOW OLFACOMETER FOR MEASURING OLFATORY RESPONSES OF HYMENOPTEROUS PARASITIDS AND OTHER SMALL INSECTS](#) added 08-Apr-09

Author(s): VET, LEM; VANLENTEREN, JC; HEYMANS, M; et al.

Source: **PHYSIOLOGICAL ENTOMOLOGY** Volume: 8 Issue: 1 Pages: 97-106 Published: 1983

Times Cited: 151
- Title: [Linking above- and belowground multitrophic interactions of plants, herbivores, pathogens, and their antagonists](#) added 08-Apr-09

Author(s): VAN DER PUTTEN, WH; VET, LEM; HARVEY, JA; et al.

Source: **TRENDS IN ECOLOGY & EVOLUTION** Volume: 16 Issue: 10 Pages: 547-554 Published: OCT 2001

Times Cited: 148

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Naam

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Roepnaam Louise
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Bezoekadres	Droevendaalsesteeg 1 6708PB, WAGENINGEN	
Gebouw/Kamer	107 / W0.Cc.054	
Post adres	Postbus 8031 6700EH, WAGENINGEN	
Bodenummer	49	



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 Plantenplagen

Trefwoorden entomologie
 insect-plant relaties

Extra informatie Voltijds directeur NIOO en 1 dag in de week bijzonder hoogleraar Evolutionaire Ecologie. Email NIOO: l.vet@nioo.knaw.nl

Publicaties [Publicaties LEM Vet](#)

Projecten [Projecten LEM Vet](#)

Laatste wijziging: 19-11-2008

Publications of LEM Vet

2010

- Kos, M.; Noordam, R.; Kabouw, P.; Hendriks, K.; Loon, J. van; Vet, L.E.M.; Dicke, M. (2010)
Conflict in plant resistance: prey-mediated effects of glucosinolates on aphid predators
Utrecht : Plant - Microbe Interactions, EPS PhD student day, 2010-06-01/ 2010-06-01

2009

- Bukovinszky, T.; Poelman, E.H.; Gols, R.; Prekatsakis, G.; Vet, L.E.M.; Harvey, J.A.; Dicke, M. (2009)
Consequences of constitutive and induced variation in plant nutritional quality for immune defence of a herbivore against parasitism
Oecologia 160 (2). - p. 299 - 308.
- Kos, M.; Loon, J.J.A. van; Dicke, M.; Vet, L.E.M. (2009)
Transgenic plants as vital components of integrated pest management
Trends in Biotechnology 27 (11). - p. 621 - 627.
- Meyer, K.M.; Vos, M.; Mooij, W.M.; Hol, W.H.G.; Termorshuizen, A.J.; Vet, L.E.M.; Putten, W.H. van der (2009)
Quantifying the impact of above- and belowground higher trophic levels on plant and herbivore performance by modeling
Oikos 118 (7). - p. 981 - 990.
- Pexton, J.J.; Boer, J.G. de; Heimpel, G.E.; Vet, L.E.M.; Whitfield, J.B.; Ode, P.J. (2009)
Competition and brood reduction: testing alternative models of clutch size evolution in parasitoids
Behavioral Ecology 20 (2). - p. 403 - 409.
- Poelman, E.H.; Dam, N.M. van; Loon, J.J.A. van; Vet, L.E.M.; Dicke, M. (2009)
Chemical diversity in Brassica oleracea affects biodiversity of insect herbivores
Ecology 90 (7). - p. 1863 - 1877.
- Poelman, E.H.; Oduor, A.M.O.; Broekgaarden, C.; Hordijk, C.A.; Jansen, J.J.; Loon, J.J.A. van; Dam, N.M. van; Vet, L.E.M.; Dicke, M. (2009)
Field parasitism rates of caterpillars on Brassica oleracea plants are reliably predicted by differential attraction of Cotesia parasitoids
Functional Ecology 23 (5). - p. 951 - 962.
- Giu, B.L.; Harvey, J.A.; Raaijmakers, C.E.; Vet, L.E.M.; Dam, N.M. van (2009)
Nonlinear effects of plant root and shoot jasmonic acid application on the performance of Pieris brassicae and its parasitoid Cotesia glomerata
Functional Ecology 23 (3). - p. 496 - 505.
- Soler, R.; Schaper, S.V.; Bezemer, T.M.; Cortesero, A.M.; Hoffmeister, T.S.; Putten, W.H. van der; Vet, L.E.M.; Harvey, J.A. (2009)
Influence of presence and spatial arrangement of belowground insects on host-plant selection of aboveground insects: a field study
Ecological Entomology 34 (3). - p. 339 - 345.

Self citations and more



Self citations

The model [...] implies that external citations are enhanced by self-citations, so that we have the “chain reaction:” Larger size leads to more self-citations, which lead to more external citations.

van Raan, A. F. J. (2008). Self-citation as an impact-reinforcing mechanism in the science system. *Journal of the American Society for Information Science and Technology* 59(10): 1631-1643.

11/28

More on references

Articles that cite more references are in turn cited more themselves

Webster, G. D., P. K. Jonason, *et al.* (2009). Hot Topics and Popular Papers in Evolutionary Psychology: Analyses of Title Words and Citation Counts in Evolution and Human Behavior, 1979 – 2008. *Evolutionary Psychology* 7(3): 348-362. <http://www.epjournal.net/filestore/ep07348362.pdf>

Citing across disciplines, risky but rewarding

Shi, X., J. Leskovec, *et al.* (2010). Citing for high impact. *Proceedings of the ACM International Conference on Digital Libraries*. p.49-58 <http://doi.acm.org/10.1145/1816123.1816131>

Make your publications OA available

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 - PloS Journals, BMC, etc
- Green Road
 - Self archived copies
 - Wageningen Yield, RePec, ArXiv etc.
- Open Choice
 - Hybrid system, author pays and library pays
 - Springer journals are a favourable exception

Is there a citation advantage for OA?

- Evidence is not entirely conclusive, but mounting
 - van Raan has started to self archive his preprints
- OA is important for developing countries

Evans, J.A., Reimer, J., 2009. Open access and global participation in science. *Science*. 323, 1025. <http://dx.doi.org/10.1126/science.1154562>

What's in a name?

Once a professor came complaining

The database did not recognize his publications automatically

Potato Research (2009) 52:249–264
DOI 10.1007/s11540-009-9136-3

Applied Biotechnology to Combat Late Blight in Potato Caused by *Phytophthora Infestans*

A. J. Haverkort • P. C. Struik • R. G. F. Visser •
E. Jacobsen



Received: 15 July 2009 / Accepted: 20 July 2009 /
Published online: 8 August 2009
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Department of Plant Sciences, Wageningen University and Research Centre, Droevendaalsesteeg 1,
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Debate on the Exploitation of Natural Plant Diversity to Create Late Blight Resistance in Potato

Aska Goverse · Paul C. Struik



Received: 10 July 2009 / Accepted: 15 July 2009 /
Published online: 4 August 2009
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C₃ and C₄ photosynthesis models: An overview from the perspective of crop modelling

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Potato Research (2009) 52:173–205
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Improving Potato Production in Kenya, Uganda and Ethiopia: A System Diagnosis

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Agajie Tesfaye • Gebremedhin Woldegiorgis •
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Zinc biofortification of cereals: rice differs from wheat and barley

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Multi Criteria Decision Making to evaluate control strategies of contagious animal diseases

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Science groups are not of interest

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ORIGINAL ARTICLE

Nitrogen and phosphorus capture and recovery efficiencies, and crop responses to a range of soil fertility management strategies in sub-Saharan Africa

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