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- Graduated in Control Engineering (1972) with PhD in Mechanoreceptor Modelling (1978) University of Leeds
- Founding Editor-in-Chief of Biomedical Signal Processing and Control
- Founding Editor-in-Chief of Bioinspiration & Biomimetics *Learning from Nature* (IOPP)
- Honorary Editor of Medical Engineering & Physics
- Affiliation: Professor of Biodynamics & Control Chair of Signal Processing & Control Group Institute of Sound & Vibration Research University of Southampton

Medical Engineering Physics

•Scope: clinical engineering, tissue engineering, biomedical computing, instrumentation, medical imaging, biomaterials and rehabilitation

•Audience: medical engineers and clinicians

• Official publication of: Institute of Physics and Engineering in Medicine

Biomedical Signal Processing & Control

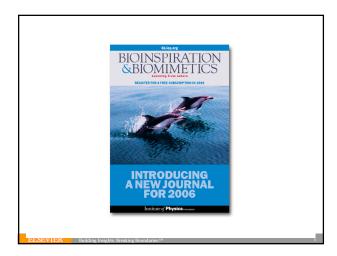


Biomedical Signal Processing and Control aims to provide a cross-disciplinary international forum for the interchange of information on research in the measurement and analysis of signals and images in clinical medicine and the biological sciences.

The scope of the journal is defined to include relevant review papers, technical notes, short communications and letters. Tutorial papers and special issues will also be published.

ISSN: 1746-8094 Commenced publication 2006



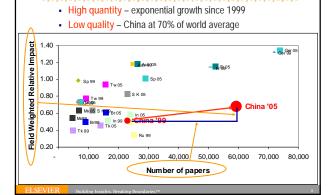


Outline

- Current status of Chinese articles
- Why do scientists publish?
- What is a good manuscript?
- How to write a good manuscript for an international journal
 - Preparations before starting
 - Construction of an article
 - Technical details
- Revision, and response to reviewers
- Ethical issues
- Conclusion: what gets you accepted?
- Appendix: Language

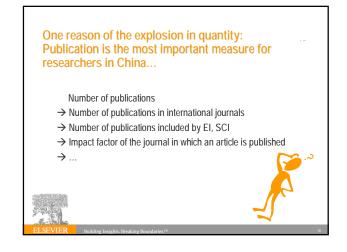
Current status of Chinese articles

- Why do scientists publish?
- What is a good manuscript?
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Current status of Chinese articles

Elsevier journals 2005 2006 2007(Jan. – Jun.)									
	Number of submissions	Rate of acceptance	Number of submissions	Rate of acceptance	Number of submissions	Rate of acceptance			
China	25,696 (14%)*	24%	59,161 (15%)*	26%	40,333 (15%)*	24%			
US	35,973 (20%)*	58%	62,775 (16%)*	55%	43,784 (17%)*	51%			
Total	189,343	42%	386,557	40%	261,867	38%			
	Select	ion of Else	vier Editori	al Outflow	Statistics				



High submissions + Low quality → STRESS for editors and reviewers...

Editors and reviewers are the most precious resource of a journal!

- Editors and reviewers are practicing scientists, even leaders in their fields. They are not professional journal staff – they do journal work on the side of their own research, writing and teaching.
- They are busy people who work for journals to contribute to science.
- Editors may receive a small payment, but reviewers are UNPAID.

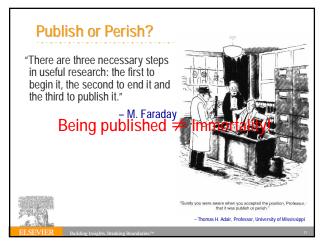












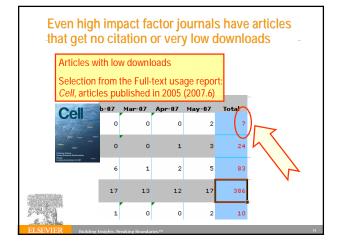


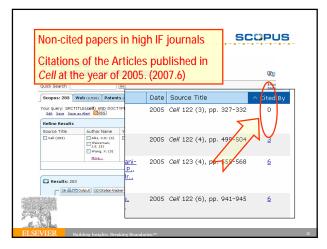
his/her studies. For this to happen a paper has to be written in a way that arouses other scientists' interest and allows others to reproduce the results. Only an understandable study can be reproduced. Only a reproducible work enables others to follow the lead. The number of scientists following the lead is a measure of the impact of a research study. Thus, in a way, a research study has to make a 'sale' to other scientists."

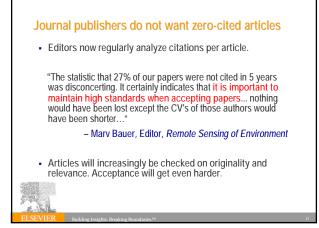
– ZHOU Yaoqi, Professor.



Indiana University School of Informatics, IUPUI http://sparks.informatics.iupui.edu















A good manuscript leads readers to scientific significance immediately.

- Content is essential
 - > Contains a scientific message that is clear, useful, and exciting
- Presentation is critical
 - > Conveys the authors' thoughts in a logical manner such that the reader arrives at the same conclusions as the author
 - > Constructed in the format that best showcases the authors' material, and written in a style that transmits the message clearly
- "Good science deserves good presentation, not the sloppy accounts I read too often.



- Peter Thrower, Editor-in-chief, Carbon Writing a Scientific Paper: I. Titles and Abstracts, Carbon (2007), doi:10.1016/j.carbon.2007.07.009

Work hard to satisfy readers' expectations.

What readers want –

- > "The potential readers of your paper have a diverse level of expertise in your field...the paper should be written simply enough to make it understandable and reproducible by graduate students and deep enough to attract the interests of experts."
- > "All scientists (students or their advisors) are usually very busy... They usually hope to find the most important information in a paper very quickly...it is important to write a well-structured (linked) paper that allows readers to search for information quickly."
- In addition, a paper will be widely cited/used only if its significance can be understood without much effort. Letting readers to find things where they expect to find is the key to the clarity of a paper."
 - ZHOU Yaoqi, professor, Indiana University School of Informatics, IUPUI http://sparks.informatics.iupui.edu/Publications_files/write-english.pdf
- Current status of Chinese articles • Why do scientists publish? • What is a good manuscript? - How to write a good manuscript for an international journal

 - Preparations before starting
 - > Construction of an article
 - Technical details
 - Revision, and response to reviewers
 - Ethical issues
 - · Conclusion: what gets you accepted?



1. Check the originality of your idea at the very beginning of your research.

- Have you done something new and interesting?
- Is there anything challenging in your work?
- Is the work directly related to a current hot topic?
- · Have you provided solutions to any difficult problems?

If all answers are "yes", then start preparing your manuscript.



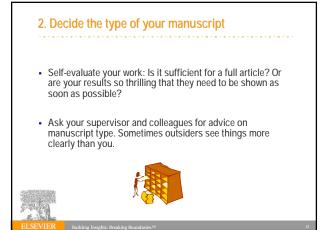
TRACK the latest results regularly in your field. New and relevant articles get published all the time. copus: 356 Web (15,108) Patents (81) SelectedSources (17) Search your lit Your query: (TITLE-ABS-KEY(mcmc) AND TITLE-ABS-KEY(parameter estimation)) Save as Alert 🔊 RSS Refine Results
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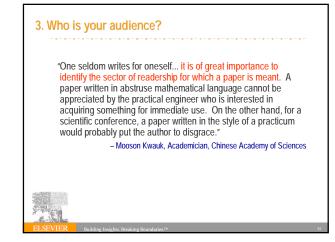
 Doucet, A. (13)
 2007 (33)
 Article (342)

 andrieu, C. (10)
 2006 (71)
 Review (14)

 dedsill, S.J. (9)
 2005 (59)
 Sources Title CRASSP ITEE International Conference on Acoustics Speech and Signal Processing Computations (S4) Computations Statutics and Data Analysis (16) Statistics in Medicine (9) Document Typ More... More... More... C Results: 356 Search within results "Save as Alert": Remind yourself about the new findings V Date Source Tit Document (sort or y terevance)
 Autor(s)
 Autor(s)
 A two-state regime switching autoregressive model with Vsasz, k, c,
 Abstract tere (sort work chain) autoregressive model with Vsasz, k, c,
 Abstract tere(sort work chain) sort of the state of Journal of Planning ar 137 (10), p <u>Vasas, K., Elek, P.,</u> <u>Márkus, L.</u>

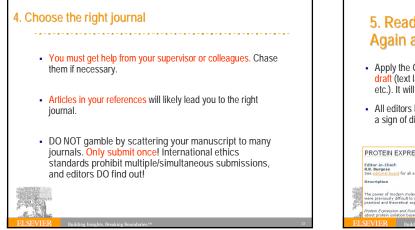
2. Decide the type of your manuscript
Full articles/Original articles: the most important papers; often substantial, completed pieces of research that are of significance.
Letters/Rapid Communications/Short communications: usually published for quick and early communication of significant and original advances; much shorter than full articles (usually strictly limited).
Review papers/perspectives: summarize recent developments on a specific topic; highlight important points that have been previously reported and introduce no new information; often submitted on invitation.

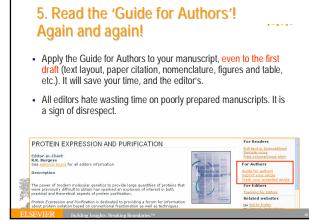












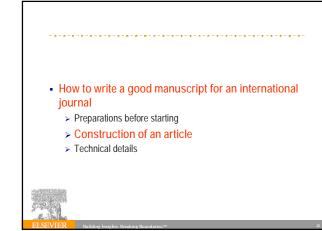
	or Authors" often contains useful instructions ific writing.
"	
6 Introduction	1
background. exhaustive re	ion summarizes the rationale for the study and gives a concise Use references to provide the most salient background rather than an eview. The last sentence should concisely state your purpose for he study (not methods, results, or conclusion).
9 Results	
	r summarize only important observations. Simple data may be set

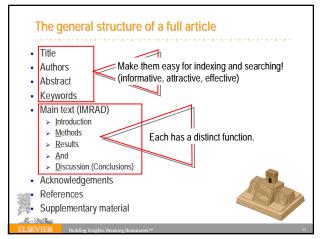
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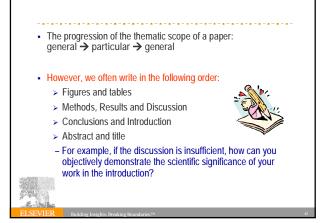
Present your results followed by (Table 1 or Figure 2). Do not write "Table 1 shows that" or "Figure 2 demonstrated that."

..."

- Author guidelines, Acta Pharmacologica Sinica

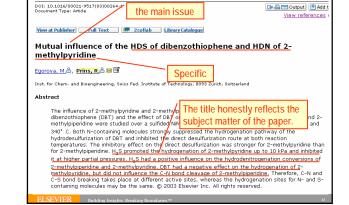






1. Title

- what the paper is broadly about
- A good title contains the fewest possible words that
- adequately describe the contents of the paper.
- Effective titles
 - > Identify the main issue of the paper
 - > Begin with the subject of the paper
 - > Are accurate, unambiguous, specific, and complete
 - > Do not contain infrequently-used abbreviations
 - > Attract readers



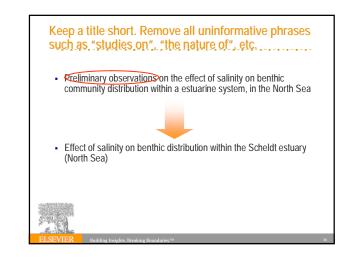
Journal of Catalysis Volume 221, Issue 1, 1 January 2004, Pages 11-19

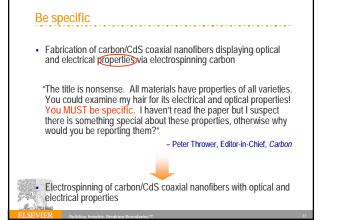
Does the title give a full and honest indication of what is in the paper?

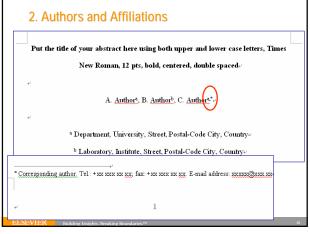
"I recently received a paper whose title indicated that it concerned the preparation of carbon nanoparticles as a filler for <u>polymers</u>. But this was not true! The authors had <u>only examined one polymer...</u>

Another recent submission had a title that told me that a material was synthesised <u>'in a gas pressure atmosphere'</u>. I had to read well into the experimental part of the paper before I learned that the atmosphere was <u>argon</u>! There was no indication of this in either the title or the abstract. What the author should have said was <u>'in high pressure argon'</u>."

Peter Thrower, Editor-in-chief, Carbon
 Writing a Scientific Paper: I. Titles and Abstracts,
 Carbon (2007), doi:10.1016/j.carbon.2007.07.009









Ex1. 欧阳钟灿

Standard:

2.10

- > Ouyang Zhongcan (Ouyang Z.),
 GB/T 16159-1996. 汉语拼音正词法基本规则
- OUYANG Zhong-can (Ouyang Z.C.),
- 中国学术期刊(光盘版)检索与评价数据规范

Following are also found in literature: Ou-yang Zhong-can, Ouyang Zhong-can, Ou-Yang Zhongcan, Ouyang, Z.C, Zhongcan Ouyang, Zhong-can Ou-Yang,

Indicate your family name and given name clearly.

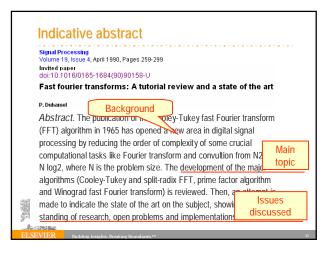
Alternative spellings lead to online confusion

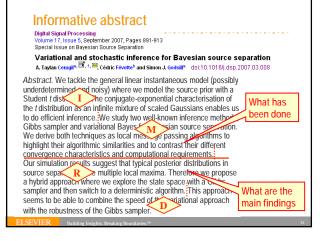
Ex2. Beijing University of Aeronautics and Astronautics北京航空航天大学 Scopu : 3,570 Web (0) Patents (4) SelectedSources (0) <u>Searc</u> Scopus: 20 Web (0) Patents (0) Se our query: AFFIL("Beijing University of Aeronautics and Astronautics" Your query: AFFIL("Bei hang University") Refine Results Results Scopus: 12 Veb (0) Patents (0) SelectedSources (0) Search ve Title (our query: AFFIL("Beijing University of Astronautics and Aeronautics") н Refine Results Scopus 1,450 Web (0) Patents (1) Scopus: 7 Web (0) Patents (2) SelectedSources (0) Search you r query: AFFIL("Beihang University" 'our query: AFFIL("University of Aeronautics and Astronautics,Beijing") fine Results **Refine Results** urce Title Nerne Net Hang Tan Yi Xue Yu Yi Xue Gong Cheng Space Medicine Medical Engineering (2) Aerosol Science and Technology (1) ngs of SPIE the International Societ Yang, F. (2) Zhu, Y. (1) Yuan, X.g. (1) Applied Optics (1)

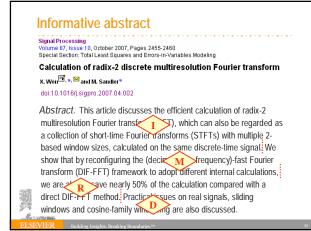
3. Abstract

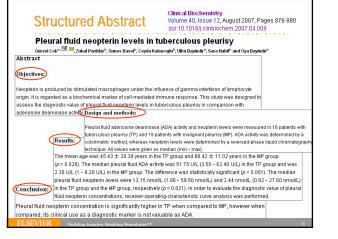
- what has been done and what are the main findings
- There are 3 main types of abstract.
 - Indicative (descriptive) abstract outlines the topics covered in a piece of writing so the reader can decide whether to read the entire document. Often used in <u>review articles or</u> <u>conference reports</u>.
 - Informative abstract summarize the article based on the <u>IMRAD</u> structure, but <u>without</u> these words explicitly presented.
 - Structured abstract follows headings required by the journal. Often used in Medical journals.

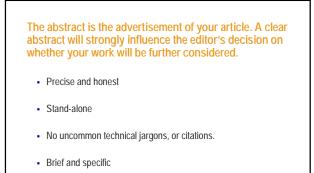
• Check carefully which type fits the journal of your choice.



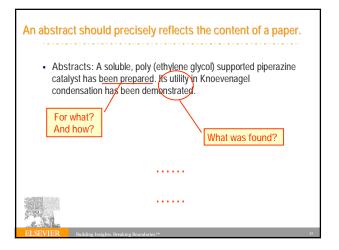


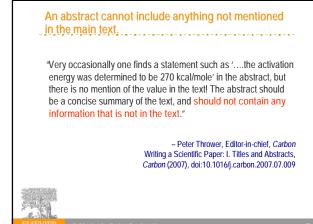






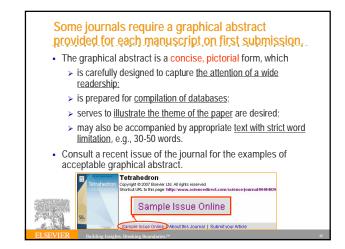








Do not cram the abstract with too many details, or uninformative descriptions. Abstract: Indiplon polymorph Lwas prepared according to previous reports and polymorph II was preduce new ways. The polymorphs were characterized by single cryst. Was fraction (SCXRD), power X-ray diffraction (PXRD), variable temper 5 provide the structure of t Source Too detailed sonality measuren Too detailed disting the matter of the first sonality measuren too detailed disting the matter of the sonality measuren too detailed disting the matter of the sonality of t Slight differences no differences transition enthalpy. Besides, the DSC curve of Form II we gained indicated a melting endotherm at 194°C, etc. then 175°C as revealed in the previous report. VT-PXRD further confirmed Too detailed therm at 194°C. It was possible that the sample characterized by a main endothermic peak at 175°C in previous reports was a novel polymorph that has not been identified. Solubility measurements at Various temperatures howed that the two polymorphs were monotropic and Form I was the relatively thermodynamically stable crystal form.

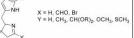


The graphical abstract is more effective and direct than a text abstract. Make it eye-catching.

Tetrahedron /olume 63, Issue 1, 1 January 2007, Pages 37-55

Volume os, issue 1, 1 sanual 2007, rages 37:53 Synthesis of hydrodipyrrins tailored for reactivity at the 1- and 9-positions Han-Je Kim², Dilek Kiper Dogutan³, Marcin Ptaszek² and Jonathan S. Lindsey^逆, a. M doi:10.1016/i tet 2006.10.027

Graphical abstract



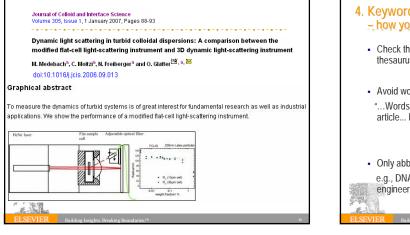
Fhirty-three hydrodipyrrins containing diverse functional groups at the α -positions have been synthesized fo

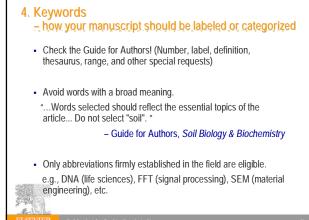


Electrohydrodynamic atomization for biodegradable polymeric particle production Jingwei Xie, Liang Kuang Lim, Yiyong Phua, Jinsong Hua and Chi-Hwa Wang, <u>Journal of Colloid and Interface Science</u> <u>Volume 302, Issue 1</u>, 1 October 2006, Pages 103-112 doi:10.1016/j.jcis.2006.06.037 Graphical abstract Controllable size and morphology of biodegradable polymeric particles were achieved by the electrohydrodynamic atomization technique. Cenosphere and aphorical particles were obtained by controlling the solvent evaporation rate under different experimental externs



setups





5. Introduction

- what problem was studied and why your work is necessary

publications.

Answer a series of questions: • Provide sufficient and background

> What is the problem? Are there any existing

solutions?

> Which is the best?

> What is its main limitation?

> What do you hope to achieve?

 Convince readers that you clearly know why your work is necessary. > Use words or phrases like "however", "remain unclear", etc., to address your

opinions and work

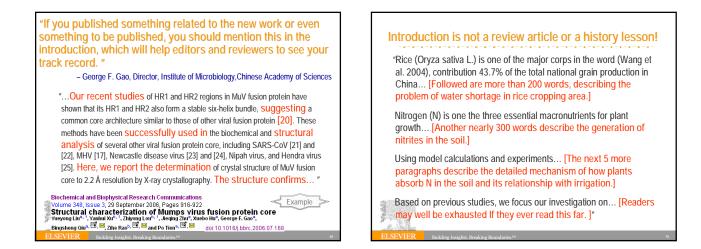
information that helps readers evaluate your work without referring to previous

> General background (review articles

(briefly review the main publications on which your work is based.)

cited) \rightarrow problems investigated particularly in this piece of research molecular beacon-based real time NASBA assay for detection of *Lister* monocytogenes in food products: Role of target mRNA secondary Journal Microbiological structure on NASBA design Methods Anna Nadal a.1, Anna Coll a.1, Nigel Cook b, Maria Pla a.* Introduction. Listeria monocytogenes is a facultative anaerobic gram-positive bacterial species widely distribut of listeriosis, a severe infectious General Background teriosis is associated with food products contaminated with L. monocytogenes... (Peccio et al., 2003 and Ryser, 1999). of ... (Rodríguez-Lázaro et al., 200 brief literature review 1, 2005). However, amplification of DNA from dead cens can overesumate the number brief literature review ... (Josephson et al., 1993). Efforts have been made to reduce ... by ... (Nogva et al., 2000) ... Although conventional NA What we have done and why 1997 and

Utitendaele et al., 1995), no reartime NASBA (CINASBA) assay has been published to... We describe a QNASBA assay for... and its application to... In addition, we present our assay as an illustrative example of.



...But give the whole picture before you present your new data.

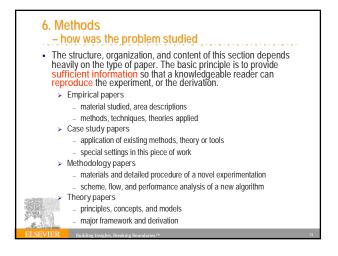
"Wide band gap materials are attractive for optical devices. For example, GaN and SiC have been used for blue or shorter wavelength light emitting diodes. ZnO is a wide band gap material (3.37 eV). Compared with others, it has larger exciton binding energy (60 meV), which assure more efficient excitonic emission at higher temperature. The study on the emission properties of ZnO films is attractively increasing attention because of its promising optoelectric applications [4-9]. In this paper, Cu-doped ZnO films were prepared by RF sputtering technique. The structures and light emission properties of Cu-doped ZnO films have been investigated and discussed."

 The problem investigated is not addressed enough, especially the necessity or the work. Readers will skim your paper if they cannot find any attractive points in the introduction.

Citing relevant references is very important

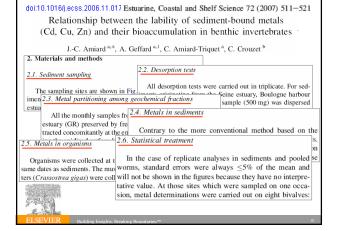
Some recent papers have demonstrated abnormal expression of microRNAs in diverse cancers, suggesting that microRNAs might play a role inoncogenesis, and some of these seem to have the characteristics of stem cellmicroRNAs come researchers now consider that cancer stem cells might contribute to the development and transformation of human cancers. To determine whether or not be initiation and maintenance of cancer stem cells are regulated by microRNAs will require further studies. In this review, we summarize some indirect evidence to support the concept that microRNAs

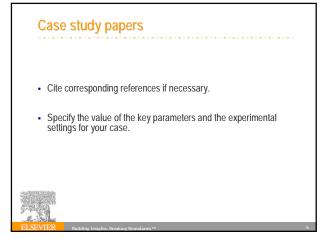




Empirical papers

- Provide operational definitions
- Describe the methods of data collection, unit of analysis and measurement
- · Identify the subject of study
- · Give the dates or time periods of data collection if important
- Identify the statistical methods if they are used : sample size, type of analyses, alpha level, statistical software used





Cell

Volume 115, Issue 4, 14 November 2003, Pages 389-399

Evolution of a Combinatorial Transcriptional Circuit: A Case Study in Yeasts (Annie E. Tsong, Mathew G. Miller, Ryan M. Raisner and Alexander D. Johnson)

Experimental Procedures

Strain Construction. All strains were derived from CAI4 (\triangle ura3::imm434/ \triangle ura3::imm434) (Fonzi and Irwin, 1993)...The a1 and a2 genes were knocked out using strategies outlined Wilson et al. (2000).

Quantitative Mating Analysis, Quantitative mating analysis was previously described Willer and Johnson, 2002

Preparation of Cultures and cDNA for Microarray Experiments. For white and opaque cultures, <u>1 ml cultures were grown overnight at 23°C in SC+100</u> <u>µg/ml uridine + 55 µg/ml adenine</u>... cDNA was prepared as previously described (Bennett et al., 2003). Construction <u>and analysis of C. albicans</u>

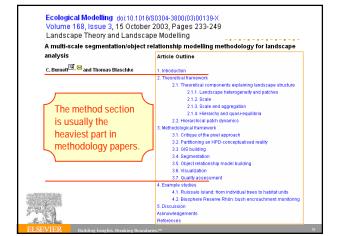
microarrays was also as previously described (Bennett et al., 2003)

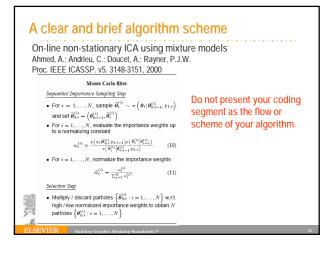
SEVIER Building Insights Breaking Boundaries M

Methodology papers

- Address the model and the theoretical frame work of the methodology. Cite corresponding references.
- · List every experimental detail which is unpublished.
- Describe the tests designed to examine both the effectiveness and the performance of the new method. The main results should be presented and studied thoroughly in the section of results and discussion. (Sometimes this part could be combined into the section of results.)

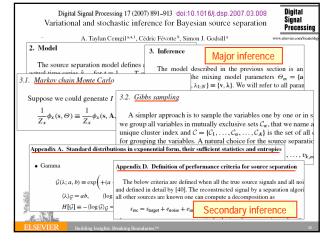






Theory papers

- Define or construct the model.
- Provide the complete inference of the main theme of the article. Put the supportive details which are of secondary importance into appendix or supplementary materials. (e.g., the proof of whether some condition is fulfilled to implement a well established theorem)
- Indicate the corresponding simulations if appropriate. The main results should be presented and studied thoroughly in the section of results and discussion. (Sometimes this part could be combined into the section of results.)



7. Results

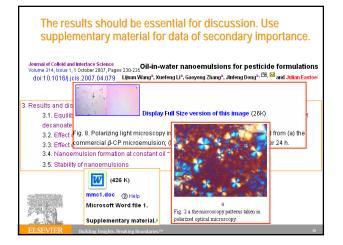
- - what have you found?
- The following should be included in this part.
 - > the main findings listed in association with the methods
 - > the highlighted difference between your results and the
 - previous publications (especially in case study papers)
 - Results of statistical analysis
 - Results of performance analysis (especially in the methodology, or algorithm papers)
 - A set of principle equations or theorems supporting the assumptions after a long chain of inferences (especially in the theory papers)

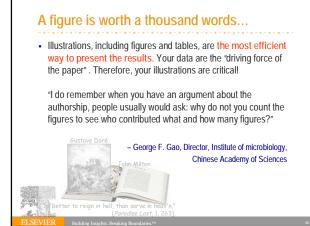


- 3.1.2. AFM force versus distance curves as a function of humidity
 3.1.3. AFM of calcite pre-etched in de-ionized water and pre-equilibrated solution under varying
 humid environments
 3.1.4. AFM of calcite individually pretreated with Cd(I) and Pb(II) prior to exposure to humidity
 3.2. lon scattering spectroscopy of Cd(II) and Pb(II) pretreated calcite surfaces
 4. Discussion
- 4.1. The effect of humidity on the restructuring process
 4.2. The effect of divalent metals on the restructuring process

5. Summary

J. Julinia





Make captions self-sufficient

 The caption of figures and tables should contain sufficient explanatory details to make the figure understood easily without referring to the text.

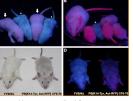
"Readers... often look at the graphics first and many times go no further. Therefore, the reviewer should be particularly sensitive to inclusion of clear and informative graphics. "

- Henry Rapoport, Associate Editor, the Journal of Organic Chemistry



(A) PB[Act-RFP] expression in the progenies resulted in red fluorescence under the illumination of a portable longwave UV light. Two positive mice (arrows) carrying the same single copy transposon (AF0-47T6) and two negative littermates (asterisks) are shown.

Cel



(B) PB[Act-RFP] expression in a founder mouse and her progeny. Red fluorescence was mosaic in the founder. Segregation of transposons in the progeny resulted in different intensities of RFP signal. The star marks the transgene-negative littermate.

(C and D) Coexpression of two transgenes in the same piggyBac vector. As a result of tyrosinase expression, a PB[K14-Tyr, Act-RFP] founder shows gray coat color under white light, while the transgene-negative littermate remains albino ([C], right and left, respectively). When illuminated by UV, red fluorescence was observed from this founder (D).

n M. Bumgarner ^a , Wi did not alter nicotine									
	-evoked (³ H)ov	verflow from rat s	triatal slices						
	-evoked (³ H)ov	verflow from rat s	triatal slices						
	-eroked [11]01	oniow noni rut a	anatan shees						

uauon	Drug concentration								
100 pM 1	nM	10 nM	100 nM	1 µM	10 µM				
2.34 (± 0.51) 2	.34 (± 0.51)	2.42 (± 0.53)	2.18 (± 0.39)	2.80 (± 0.66)	4.63 (± 1.87				
			$1.55(\pm 0.57)$	2 09 (± 0 80)	3.50 (± 1.54				
ND 4	.13 (± 1.67)	3.18 (± 0.96)	1.55 (± 0.57)						
ND 4	.13 (± 1.67)	3.18 (± 0.96)	1.55 (± 0.57)		`				
ND 4	.13 (± 1.67)	3.18 (± 0.96)	1.55 (± 0.57)	,	`				
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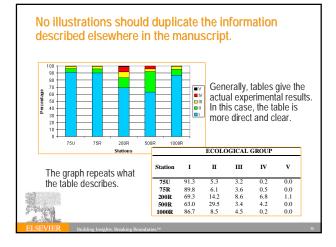
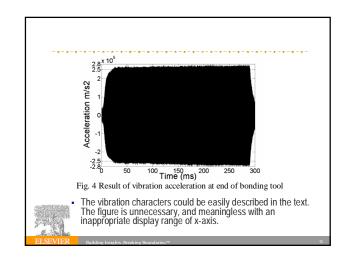
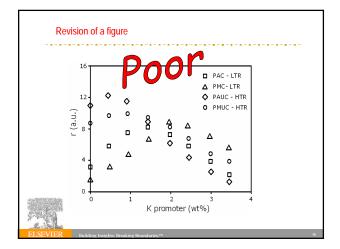


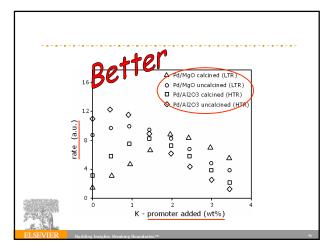
	Table 2. Co	bur codes and	notations of the soil layers	
Habitat Woodland	Depth (cm) 0-5	Colour codes 10YR4/2	Colour notation Dark grayish brown	
	5-10	2.5Y5/3	Light olive brown	
	10-15	2.5Y63	Light vellowish brown	
	15-20	2.5Y6/4	Light vellowish brown	
	20-30	2.5Y6.5/3	Light yellowish brown -Light olive brown	
	30-40	2.5Y5/3	Light olive brown	
	40-50	2.5Y5/3	Light olive brown	This table is not necessary. It can all h
	50-60	2.5Y6/3	Light yello wish brown	– This table is not necessary. It can all b
	60-70	2.5Y5/4	Light office brown	said in the text: 'The surface soils
	70-80	2.5¥6.5/3	Light yellowish brown -Light olive brown	
	80-90	2.5¥6.5/3	Light yellowish brown -Light olive brown	were dark grayish brown, grading to
	90-100	2.5Y5/3	Light olive brown	light olive brown (woodland), light
Wetland	0-5	2.5Y4/2	Dark grayish brown	
	5-10	2.5Y5.5/2	Grayish brown -Dark grayish brown	olive brown (wetland), and pale oliv
	10-15	2.5Y5/2	Grayish brown	
	15-20	2.5Y4/1.5	Dark gray -Dark grayish brown	(grassland) at 100 cm.' There is little
	20-30	2.5Y4/2.5	Dark gravish brown -Olive brown	
	30-40	2.5Y4/2.5	Dark grayish brown -Olive brown	no value in describing colour of soil at
	40-50	2.5Y4/2	Dark grayish brown	
	50-60	2.5Y4/2	Dark grayish brown	10 cm intervals
	60-70	2.5Y4/2	Dark gravish brown	
	70-80	2.5Y4/2	Dark grayish brown	
	80-90	2.5Y4/2	Dark grayish brown	
	90-100	2.5Y4/2	Dark grayish brown	
Grassland	0-5	2.5Y4/2	Dark grayish brown	
	5-10	5Y5/2	Olive gray	
	10-15	5Y6/2	Light olive gray	
	15-20	5Y6/2	Light olive gray	
	20-30	5Y6/2	Light olive gray	
	30-40	5Y6.5/2	Light olive gray -Olive gray	
	40-50	5Y6/2	Pale olive	
	50-60	5Y6/2	Pale olive	
	60-70	5Y6/2	Light olive gray -Pale olive	
	70-80	5Y6/2	Light olive gray -Pale olive	
	80-90	5Y6/2	Pale olive	
	90-100	5Y6/2	Pale olive	

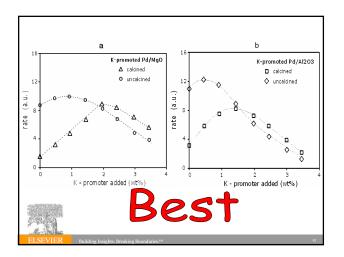


	Habitat	Depth	Clay (%)	Silt (%)	Sand (%)	11-8-	*************
	Woodland	0-5	43.0	53.0	4.0		
		5-10	61.0	29.0	10.0	1	
		10-15	71.0	22.0	7.0		
		15-20	71.0	22.0	7.0	1	
		30-40	65.0	26.0	9.0		
		50-60	66.0	25.0	9.0	1	
	2	70-80	66.0	25.0	9.0	1	Why include '.0'?
	Second and	90-100	62.0	29.0	9.0	1 -	
	Wetland	0-5	58.0	34.0	8.0		It adds nothing.
		5-10	58.0	31.0	11.0		
	3	10-15	54.0	32.0	14.0		
		15-20	45.0	35.0	20.0	1	
		30-40	40.0	39.0	21.0		
	G	50-60	47.0	34.0	19.0	1	
		70-80	54.0	30.0	16.0	1	
		90-100	54.0	33.0	13.0	1	
	Grassland	0-5	80.0	20.0	0.0	1	
		5-10	67.0	31.0	2.0	1	
		10-15	47.0	30.0	23.0	1	
		15-20	57.0	28.0	15.0	1	
		30-40	61.0	28.0	11.0	1	
6		50-60	76.0	23.0	1.0		
2.1.2		70-80	48.0	33.0	19.0	1	
S. E.R.		90-100	58.0	31.0	11.0	1	

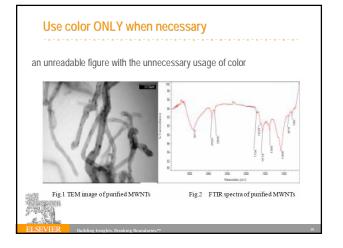
Appe	arances count!
 Plot 3 	3 or 4 data sets per figure;
	subplot panels to assemble figures which illustrate the same of problem.
	selected scales; appropriate axis label size; symbols clear to and data sets easy to discriminate.
261	
LSEVIER	Building Insights. Breaking Boundaries, ⁷⁴⁴ 94

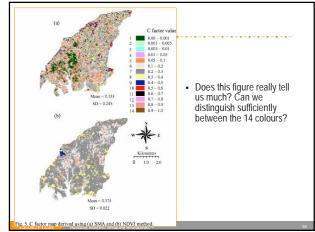




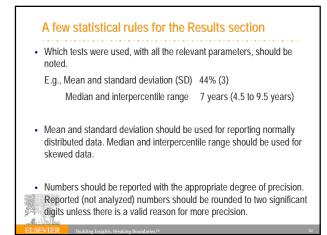


Revision of a tabl			
Depth	Gravel	Sand	Mud
5 m	3,42%	81.41%	15,17%
50 m	2,5%	58.42%	39.08%
100 m	0,0%	32.5%	67.5%
Water depth (m)	Gravel (%)	Sand (%)	Mud (%)
5	3.4	81.4	15.2
5	2	0111	10.2
50	2.5	58.4	39.1
-			





	Laver	C: N			C: P			C:S			N: P		
Habitat	Layer	2003	2004	2005	2003	2004	2005	2003	2004	2005	2003	2004	2005
Woodland	Litter 0	28.38 10.16	16.46	25.39 13.48	809.99 1139.26	1731.06	2315.63 4090.33	403.62 307.09	765.99 389.68	1462.36	28.54 112.18	105.18 194.57	91.20 303.44
	25	1.40	0.87	1.53	255.09	420.14	1225.21	38.77	43.76	704.22	182.63	481.32	799.08
	50	1.08	0.48	0.87	286.52	232.94	733.49	36.55	23.24	713.48	266.16	482.10	841.75
	75 100	1.00	0.68	0.43	267.29 479.20	308.34 358.25	375.61 604.82	28.06 30.96	28.96 23.81	289.27 224.68	268.11 395.95	454.71 719.89	874.70 841.99
	Litter	32.19	19.65	22.35	2214.09	1874.23	2404.12	4012.44	1045.70	506.56	68.79	95.39	107.56
	0	14.69	8.47	6.59	3978.20	2211.44	2809.48	1198.66	633.07	911.40	270.87	261.22	426.49
	25	2.59	2.06	2.52	1220.43	615.67	1003.27	515.45	636.71	1417.22	471.49	299.57	398.49
	50	2.01	1.71	1.30	1148.13	784.35	1190.52	303.14	520.66	\$76.57	571.29	458.41	913.96
	75	1.96	1.67	1.15	1018.65	982.64	1848.85	234.20	360.32	420.19	518.87	586.89	1602.35
	100	1.73	1.76	0.89	794.97	966.28	1852.74	151.76	354.12	318.74	459.28	550.34	2073.58
Grassland	Litter	38.46	13.09	22.58	2911.64	1796.34	2679.57	18719.59	468.25	7396.69	75.70	137.26	118.69
	0	7.68	6.08	7.16	2024.65	1267.28	3652.67	1759.49	1328.00	1715.80	263.54	208.48	509.81
	25	3.01	1.05	1.44	1232.19	783,45	1506.97	516.96	472.00	668.80	409.07	745.17	1048.35
	50	1.14	0.78	1.31	726.96	694,30	1256.30	735.46	78.22	60.65	638.52	889.94	959.31
	75	1.07	0.72	0.88	628.09	797.55	1567.24	151.64	39.77	25.92	588.98	1106.52	1783.02
	100	0.90	0.77	0.72	508.90	381.24	717.78	46.61	20.13	14.31	\$64.63	498_31	996.65



A few statistical rules for the Results section

- When reporting percentages, the numerators and denominators should always be given.
 E.g., 50% (500/1000)
- Percentages should not be used for very small samples.
 E.g., "One of two" should not be replaced by 50%
- The actual *P* value should be reported (not simply *P* > 0.05)

The word "significant" should be used to describe "statistically significant differences" only.



Please consult

Thomas A. Lang, Michelle Secic. How to Report Statistics in Medicine: Annotated Guidelines for Authors, Editors, and Reviewers. Philadelphia: ACP; 1997.



8. Discussion

- what do the results mean?

Check for the following:

- How do your results relate to the original question or objectives outlined in the Introduction section?
- > Can you reach your conclusion smoothly after your
- discussion?
 Do you provide interpretation for each of your results presented?
- > Are your results consistent with what other investigators have reported? Or are there any differences? Why?
- > Are there any limitations?
- Do not
 - Make statements that go beyond what the results can support
 - Suddenly introduce new terms or ideas

Journal of Molecular Biology doi:10.1018/j.jmb.2005.08.078 Volume 354, Issue 3, 2 December 2005, Pages 601-613 Design and Characterization of Viral Polypeptide Inhibitors Targeting Newcastle Disease Virus Fusion Jieqing Zun^{a, 6, 1}, Xiui Jiang^{6, 1}, Yueyong Lui^{a, 6, 4}, Po Tien^{a, CD}, ⁶⁰ and George F, Gao^{1, 6, CD}, ⁶⁰ ... <u>we showed</u> that HR212 could inhibit NDV-mediated cell fusion This was in contrast to the recruits of others[16]

Clearly state the relationship with previous publications.

fusion... This was in contrast to the results of others[16], which... As <u>a further characterization</u>, we detected the inhibition of HR212 added... This result implied that the conformational changes of the F protein occurred very quickly after receptor binding to the HN protein... <u>This may explain</u> why the inhibition activity was much lower if added after cleavage activation. However, <u>all these results are still</u> <u>consistent with</u> the idea that HR2 peptides could interact ...

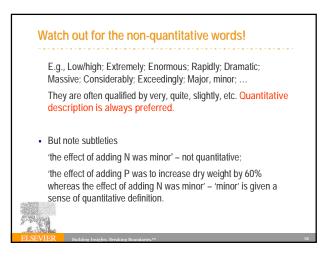
 Noto
 Maximum-Likelihood Based Estimation of the Nakagami m Parameter

 Numerical Stress of the estimators increase with m. The same observation can be made from figures in [4], where, however, no explanation for this behavior was offered.

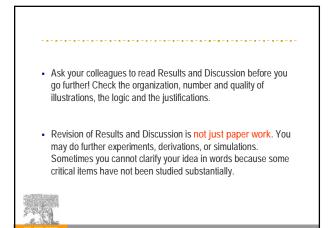
 Here, we provide a simple explanation as follows. When m approaches infinity, the parameter Δ of (7), which appears in the denominators of (9) and (10), approaches zero. Therefore, the estimator becomes more sensitive to small changes in Δ .

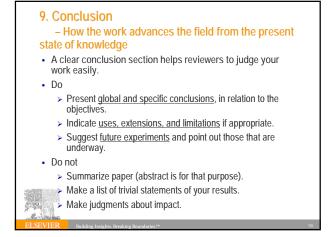
10 15 m parameter

Speculations on possible interpretations are allowed. But



27





Toxicology

Volume 234, Issues 1-2, 5 May 2007, Pages 90-102

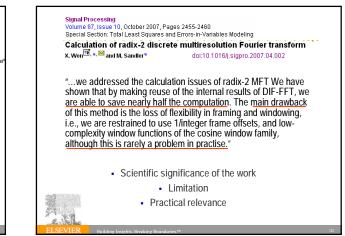
Cholinesterase inhibition and alterations of hepatic metabolism by oral acute and repeated chlorpyrifos administration to mice Mark Francescometa^{10,12,14} Finace Alkarla's Burath², Stefano Fortuna¹, Paola Lorenzin¹², 4Marka¹ Teresa Volge¹, Laura Par

Maria Francesca Cometa)», 🕮 , Franca «Maria» Buratti», Stefano Fortuna», Paola Lorenzini», «Maria)[,] Teresa Volpe», Laura Pari Emanuela Testal[®] and Annarita Meneguz[®]

doi:10.1016/j.tox.2007.02.008

In conclusion, our results obtained with mice increase the knowledge on CPF-induced adverse effects, up to now limited to rats. They seem to suggest that not all the CPF effects measured in rats and the related doses <u>can be directly extrapolated to mice</u>, which seem to be more susceptible <u>at least to acute treatment</u>. Even though many questions still remain open, our findings show that the mouse could be considered a <u>suitable experimental model for future studies on</u> the toxic action of organophosphorus pesticides focused on mechanisms, long term and age-related effects.

- Contribution to the particular area
- · Practical significance, extensions
- Possible future work



Avoid gratuitous statements in conclusion "...There was a tendency for the soil seed bank to decrease in density with increasing elevation in both shady slope and

density with increasing elevation in both shady slope and sunny slope, a Why is it important to maintain by the occurrence of the existing vegetation, and ecies and different altitue how are we going to apply the een soil seed results of this study of seed band and veg banks to maintain it? ry low, and Picea crassifolia was in the soil seed bank despite being prominent comport f the surface vegetation at woodlands, thus Picea crass, Via has no persistent seed bank. It will be important to maintain the existing vegetation in the future management. "

Another Example "The limited distribution of this L. chinensis forest, and the 'rare' status of the species make these kinds of studies very important to the successful management and preservation of this endemic species of the Taibai Natural Reserve." • How are these type of studies going to be used in land management and preservation? How are they going to be applied, and what will be the outcomes?

Write positively!

"These results suggest that the trees <u>might be</u> under water stress to the extent that mortality <u>might be</u> possible"

• This statement is vague enough to mean nothing!

10. Acknowledgments

- It is your chance to thank
 - People who have helped you, e.g., technical help, English revision
 - > Funding organizations
 - > Affiliation to projects and programs
 - > Reviewers and editors (especially in the revised manuscript)
- Do
 - > Ask permission from those who will be acknowledged with their names mentioned.
 - State clearly why they are acknowledged.
 - > Include the grant number or reference.

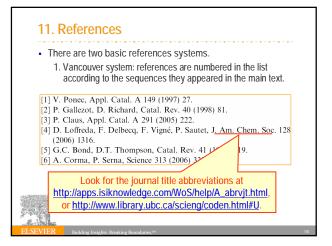
Tetrahedron: Asymmetry Volume 17, Issue 24, 27 December 2006, Pages 3351-3357

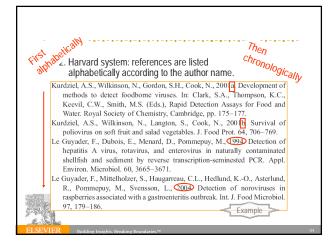
Direct asymmetric aldol reaction catalyzed by simple prolinamide phenols Yu-Oin Fu⁺, Zai-Chun Li⁺, Li-Na Ding⁺, Jing-Chao Tao^{-G}, a. M, Sheng-Hong Zhang⁺ and Ming-Sheng Tang^{-G}, a doi:10.1016/j.tetasy.2006.12.008

Acknowledgments

We are grateful for the financial support from the National Natural Science Foundation of China (grants 20372059). We also thank Jian-Xun Kang and Wei-Guo Zhu for the determination of NMR, Shao-Min Wang for HRMS and Jian-Ge Wang for the analysis of the single crystal structure.

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Cet your references right! It is irritating for reviewers to find mistakes, particularly in one of their own references. Checking the format takes much time for the editors. Make their work easier and they will appreciate the effort. Please make everything conforms to the Guide for Authors of the journal, including the format of in-text citation, author names, article titles, journal names, page span, volume, and year. Read several sample articles to learn the right style. Crements of the strongly encouraged to theck the accuracy of each reference against its original source. Al publications cited in the text should be presented in a list of reference against its original source. Al publications cited in the text should be presented in a list of reference against its original source. Al publications cited in the text should be presented in a list of reference against its original source. Al publications cited in the text should be presented in a list of reference against its original source. A. In the text refer to the author's name (without initial) and year of publication, followed if necessary by a agreement with results obtained later (Kramer, 1989, pp. 12-16)¹.

In-text citation: do not put all citations at the end of sentences

⁴Worldwide research on pegmatites has involved the study of their petrogenesis, classification, texture and structure, rare element geochemistry, mineralogy, and experimental petrology; (Solodov, 1962; Zou and Xu, 1975; Zou et al., 1986; Kuzminko, 1976; Makagon, 1977; Makagon and Shmakin, 1988; Luan, 1979; Wang, 1982; Shmakin, 1983; London, 1981, 1986, 1998; Cerny, 1982a, 1982b, 1991; Cerny et al., 1986; Cerny and Lenton, 1995; Roedder, 1984; Walker et al., 1986; Wang et al., 1987; Chu and Wang, 1987; Wang et al., 1987; Zhang et al., 1987; Chu of al., 1993; Li et al., 1983; Li ,1987; Zhang et al., 1998, 1999a, 1999b, 2000; Bai, 1995; Zeng and Jin, 1995; Wu et al., 1995; Lu and Wang,1997; Feng, 1998).

36 references in one sentence!

Give just 2-3 pertinent references in a proper context. The new materials achieved by using conventional chemical methods include carbon, noble metals, transition metal oxides and sulphides. [4-8] The new materials achieved by using conventional chemical methods include carbon [4], noble metals [5, 6], transition metal oxides [7] and sulphides [8].

In-text citation: "et al" can be used only when a reference bears more than two authors

"...For three or more authors you must use the surname name of the first author and add 'et al.' and for two authors you cannot use et al., but must mention both family names. For one author, you must mention the family name...

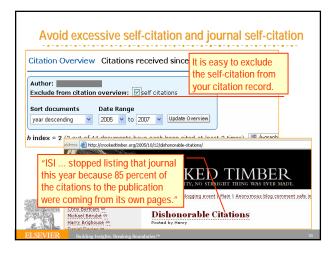
... This means that referring to ref. 13, with two authors, cannot be done with et al., but must be done by Hu and Ruckenstein. Similarly, referring to ref. 17 should be done as Zhdanov and Kasemov. Ref. 20 should be referred to as Latkin et al., always mention the FIRST author and then add et al."

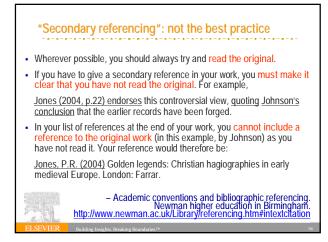


- Roel Prins, Editor, Journal of Catalysis

Each reference needs to sufficient information so that the reader can find it easily.

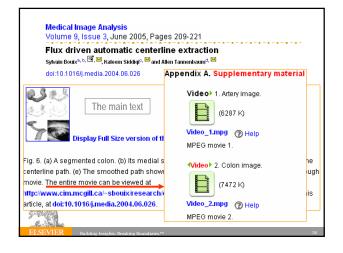
- Avoid citing the following if possible:
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 - articles published only in the local language, which are difficult for international readers to find



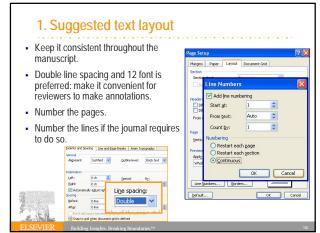


12. Supplementary Material "In particular, figures, tables, passages describing theory, or experimental details, which are only of secondary importance to supporting material. This has begun to open up new possibilities: papers that have in the past been considered as "long" and "heavy going" can be transformed into succinct information-rich articles, which are more interesting to read." Guide for Authors, *Journal of Colloid and interface Science* Supporting material will be available online to readers if the paper is eventually published. The supporting materials section should be referred to in the main manuscript to direct reader, as appropriate.

All the information should be related and supportive to your article.

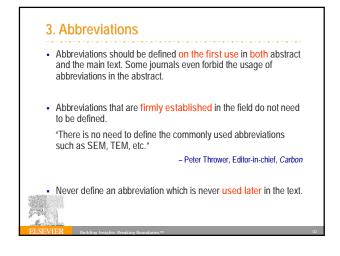






	,
 "25- 30 pages is the idea including ESSENTIAL data 	al length for a submitted manuscript, a only."
 Julian Easto 	e, Co-editor, Journal of Colloid and Interface Science
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 Abstract 	1 paragraph
 Introduction 	1.5-2 manuscript pages (double-spaced, 12pt)
 Methods 	2-4 manuscript pages
 Results and Discussion 	10-12 manuscript pages
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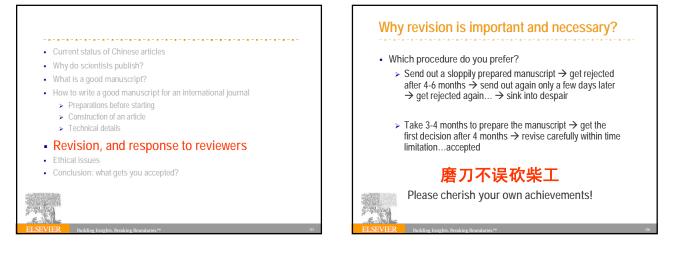
- mention what makes it special to the journal."Indicate the editor about the track record of your
- research...Make it short and striking."
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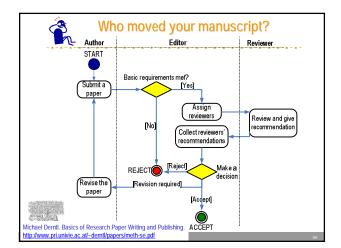
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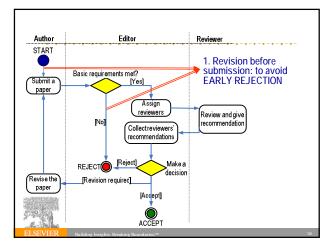
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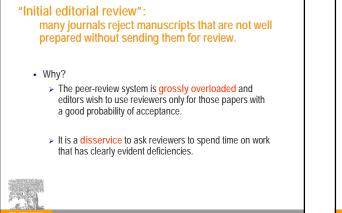
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Please make every attempt to make the manuscript as good as possible. No one get it right at the first time! Write, and re-write. Suggestions: After writing a first verstion, take several days of rest. Refresh your brain with different things. Come back with critical eyes. Ask your colleagues and supervisor to review your manuscript first. Ask them to be highly critical, and be open

to their suggestions.

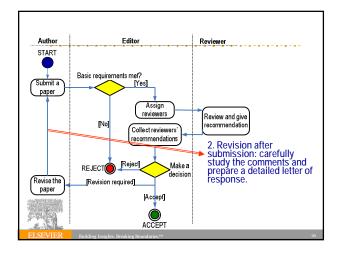
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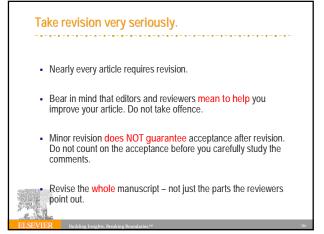
- Reasons for early rejection: content (aims and scope)
- Paper is of limited interest or covers local issues only (sample type, geography, specific product, etc.).
- Paper is a routine application of well-known methods
- Paper presents an incremental advance or is limited in scope
- Novelty and significance are not immediately evident or sufficiently well-justified

What should you check?Does your work have any interest for an international audience? Is it necessary to let

- the international readers know the results? Have you added any significant values to an exist method or explored remarkable extensions of its application?
- Extensions of its application? Did you provide a perspective consistent with the nature of journal? Are the right
- conclusions drawn from the results? Does your work add to the existing body of knowledge? – Just because it has not been done before is no justification for doing it now. And just because you have done the study does not mean that is very important!

Revision before su	Ibmission – checklist
Reasons for early rejection: Preparation • Failure to meet submission requirements	 What should you check? Read the Guide for Authors again! Check your manuscript point by point. Make sure every aspect of the manuscript is in accordance with the guidelines. (Word count, layout of the text and illustrations, format of the references and in-text citations, etc.)
 Incomplete coverage of literature 	 Are there too many self-citations, or references that are difficult for the international reader to access?
Unacceptably poor English	 Did the first readers of your manuscript easily grasp the essence? Correct all the grammatical and spelling mistakes.
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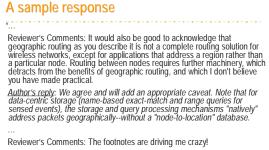




Revision: a great learning opportunity!

- A further review of the revised manuscript is common. Cherish the chance of discussing your work directly with other scientists in your community. Please prepare a detailed letter of response.
- Cut and paste each comment by the reviewer. Answer it directly below. Do not miss any point. State specifically what changes (if any) you have made to the manuscript. Identify the page and line number. A typical problem – Discussion is provided but it is not clear what changes have been made.
- Provide a scientific response to the comment you accept; or a convincing, solid and polite rebuttal to the point you think the reviewer is wrong.

• Write in a way that your responses can be given to the reviewer.



Author's reply: We'll strive to remove some of them.

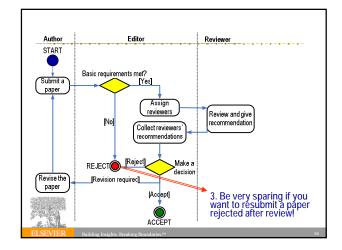


 Dr. Ramesh Govindan, professor, Computer Science Department, University of Southern California http://enl.usc.edu/~ramesh/writings/files/NSDI response.txt

A sample rebuttal

"...In section (4) you complain that there is no discussion of the limitations in the scope of HR. For example merely to reflect outside reality does not contribute to the problem of conscious awareness of these objects. However this issue is not unique to HR, it is a general philosophical issue that applies just as well to the alternative Neuron Doctrine model. But the Neuron doctrine itself cannot even plausibly account for the reflection of outside reality in an internal representation, due to the problems of emergence, reflication, and invariance, which is why the Neuron Doctrine suggests a more abstracted concept of visual representation, in which the visual experience is encoded in a far more abstracted and abbreviated form. Therefore although HR does not solve the "problem of consciousness" completely, it is one step closer to a solution than the alternative. The philosophical issue of consciousness however is beyond the scope of this paper, which is a theory of neural representation, rather than a philosophical paper. I enclose a copy of my book, 'The World In Your Head', which addresses these philosophical issues more extensively...*

 Dr. Sleven Lehar, <u>http://sharp.bu.edu/~slehar/</u> <u>http://sharp.bu.edu/~slehar/webstuff/hr/rebut.html</u>
 http://sharp.bu.edu/~slehar/webstuff/hr/rebut-a.html
 http://sharp.bu.edu/~slehar/webstuff/hr/rebut-b.html



Rejection: not the end of the world

- Everyone has papers rejected do not take it personally.
- Try to understand why the paper was rejected.
- Note that you have received the benefit of the editors and reviewers' time; take their advice serious!
- Re-evaluate your work and decide whether it is appropriate to submit the paper elsewhere.
- If so, begin as if you are going to write a new article. Read the Guide for Authors of the new journal, again and again.



Never treat publication as a lottery by resubmitting a

rejected manuscript directly to another journal

- In your cover letter, declare that the paper was rejected and name the journal.
- Include the referees' reports and a detailed letter of response, showing how each comment has been addressed.
- Explain why you are resubmitting the paper to this journal, e.g., this journal is a more appropriate journal; the manuscript has been improved as a result of its previous review; etc.

s-e-Eil



Deadly Sins –

Unethical behavior "can earn rejection and even a ban from publishing in the journal" – Terry M. Phillips, Editor, Journal of Chromatography B

- Multiple submissions
- · Redundant publications
- Plagiarism
- · Data fabrication and falsification
- · Improper use of human subjects and animals in research
- Improper author contribution





2. Redundant Publication (重复发表): two or more papers, without full cross reference, share the same hypotheses, data, discussion points, or conclusions

- An author should not submit for consideration in another journal a previously published paper.
 - Published studies <u>do not need to be repeated</u> unless further confirmation is required.
 - Previous publication of an abstract during the proceedings of conferences does not preclude subsequent submission for publication, but <u>full disclosure</u> should be made at the time of submission.
 - Re-publication of a paper in another language is acceptable, provided that there is <u>full and prominent disclosure of its original source</u> at the time of submission.
 - At the time of submission, authors should disclose details of related papers, even if in a different language, and similar papers in press.

Acceptable secondary publication

 "Certain types of articles, such as guidelines produced by governmental agencies and professional organizations, may need to reach the widest possible audience. In such instances, editors sometimes choose deliberately to publish material that is also being published in other journals, with the agreement of the authors and the editors of those other journals."

 Writing and Editing for Biomedical Publication, International Committee of Medical Journal Editors, Uniform Requirements for Manuscripts submitted to Biomedical Journals.

http://www.icmje.org/index.html#ethic

Secondary publication: conditions

- The authors have received approval from the editors of both journals; the editor concerned with secondary publication must have a photocopy, reprint, or manuscript of the primary version.
- The priority of the primary publication is respected by a publication interval of at least one week (unless specifically negotiated otherwise by both editors).
- 3. The paper for secondary publication is intended for a different group of readers; an abbreviated version could be sufficient. (to be continued)
- Secondary publication: conditions (contunued)4. The secondary version faithfully reflects the data and interpretations of the primary version.
- 5. The footnote on the title page of the secondary version informs readers, peers, and documenting agencies that the paper has been published in whole or in part and states the primary reference. A suitable footnote might read: "This article is based on a study first reported in the [title of journal, with full reference]."
- The title of the secondary publication should indicate that it is a secondary publication (complete republication, abridged republication, complete translation, or abridged translation) of a primary publication.



3. Plagiarism (剽窃)

"Plagiarism is the appropriation of another person's ideas, processes, results, or words without giving appropriate credit, including those obtained through confidential review of others' research proposals and manuscripts." (the Federal Office of Science and Technology Policy, 1999).

- "Presenting the data or interpretations of others without crediting them, and thereby gaining for yourself the rewards earned by others, is theft, and it eliminates the motivation of working scientists to generate new data and interpretations."
- Bruce Railsback, Professor, Department of Geology, University of Georgia
 For more information on plagiarism and self-plagiarism, please

see http://facpub.stjohns.edu/~roigm/plagiarism/

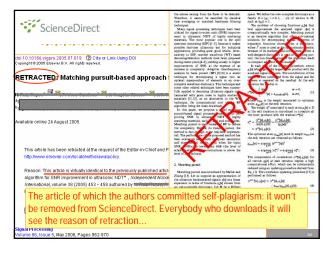
Plagiarism: tempting short-cut with long-term consequences

- Plagiarism is considered a serious offense by your institute, by journal editors and by the scientific community.
- Plagiarism may result in academic charges, and will certainly cause rejection of your paper.
- Plagiarism will hurt your reputation in the scientific community.



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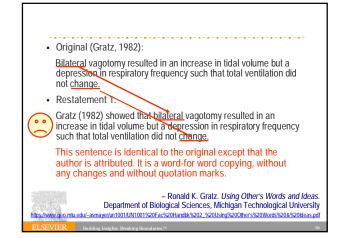


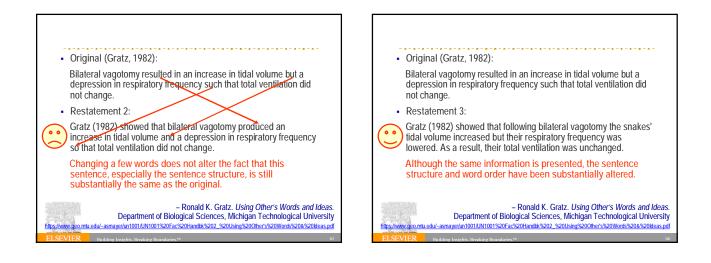


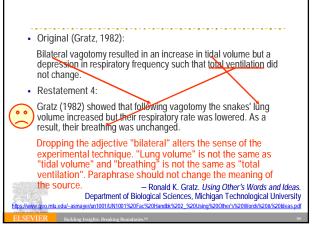


- Paraphrasing is restating someone else's ideas while not copying verbatim.
- Unacceptable paraphrasing includes any of the following:
 using phrases from the original source without enclosing them in quotation marks;
 - emulating sentence structure even when using different wording;
 - emulating paragraph organization even when using different wording or sentence structure.
- Unacceptable paraphrasing--even with correct citation--is considered plagiarism.

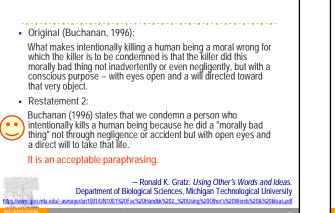
- Statement on Plagiarism. Department of Biology, Davidson College. http://www.bio.davidson.edu/dept/plagiarism.html











What guarantee an acceptable paraphrasing?

- Make sure that you really understand what the original author means. Never copy and paste any words that you do not fully understand.
- Think about how the essential ideas of the source relate to your own work, until you can deliver the information to others without referring to the source.
- Compare you paraphrasing with the source, to see 1) whether you change the wording and the structure sufficiently; 2) whether the true meaning of the source is retained.





4. Data fabrication and falsification (数据造假)

 Falsification is manipulating research materials, equipment, processes; or changing / omitting data or results such that the research is not accurately represented in the research record.

Select data to fit a preconceived hypothesis: "...an experiment (or data from an experiment) is not included because it 'did not work', or we show 'representative' images that do not reflect the total data set or, more egregiously, data that do not fit are simply shelved."

- Richard Hawkes

"The most dangerous of all falsehoods is a slightly distorted truth." - G.C.Lichtenberg (1742 - 1799)

5. Improper use of human subjects and animals in research

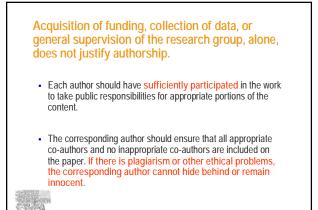
- When reporting experiments on human subjects, authors should indicate whether the procedures followed were in accordance with the ethical standards of the responsible committee on human experimentation (institutional and national) and with the Helsinki Declaration of 1975, as revised in 2000 (5). If doubt exists whether the research was conducted in accordance with the Helsinki Declaration, the authors must explain the rationale for their approach, and demonstrate that the institutional review body explicitly approved the doubtful aspects of the study.
- When reporting experiments on animals, authors should be asked to indicate whether the institutional and national guide for the care and use of laboratory animals was followed. No manuscript will be considered unless this information is supplied.

6. Improper author contribution

- Authorship credit should be based on
 - substantial contributions to conception and design, or acquisition of data, or analysis and interpretation of data;
 - 2. drafting the article or revising it critically for important intellectual content;
 - 3. final approval of the version to be published.

Authors should meet conditions 1, 2, and 3. Those who have participated in certain substantive aspects of the research project should be acknowledged or listed as contributors.







What gets you accepted?

- <u>A</u>ttention to details
- <u>Check and double check your work</u>
- <u>C</u>onsider the reviews
- English must be as good as possible
- <u>Presentation is important</u>
- Take your time with revision
- <u>A</u>cknowledge those who have helped you
- New, original and previously unpublished
- <u>C</u>ritically evaluate your own manuscript
- <u>E</u>thical rules must be obeyed

– Nigel John Cook, Editor-in-Chief, Ore Geology Reviews

References & Acknowledgements – a growing list • Peter Attivitie, Editor,-inchief, Forest Ecology and Management • Belon Fleisher, Editor, China Economic Review • Angel Borja, Editoria Iboardi member, Marine Pollution Bullelin, Confinental Shelf Research • Lain C. Bruce, Prolessor, School of Medicine, Zheigang University • Gregory Chow, Prolessor, Princehn University • Nigel Coak, Editoria Localogy Reviews. • Jullian Easbe, Co-editor, Journal of Colloid and IherBree Schence • Gregory F. Gao, Director, Institut or Microbiology, Chinese Academy of Sciences • Ronald K, Gratz, Director Of pre-health prolessions studies, Department of Biological Sciences, Michigan Technological University	More Information <u>http://elsevierauthors.cn</u> <u>http://china.elsevier.com</u> china.support@elsevier.com
Paul R. Haddad. Editor, Journal of Chromabography A Richard Hawkes. Professor, Department of Cell Biology and Anatomy, University of Calgary James C Hower: Editor, The htemational Journal of Coal Geobgy Matcolm W. Kennedy. Professor, Institute of Biomedical and Life Sciences, University of Glasgow, UK Mooson Kwauk. Academician, Chinese academy of Sciences Pok-sang Lam. Professor, Ohio University	Thank you for Listening
Steven Lehar, <u>thuy/kns-alumibu edu/-skhar/</u> Patick McCarthy. Professor, Georgia Institute of Technology Richard Meltzer, Editor-in-chief, Journal of Luminescence. Frans P. Nijkamp, Journal of Ennopharmacology Wilfed CO Peh. Editor, Stagnoen Medical Journal Terry M. Phillips. Editor, Journal of Chromabgraphy B	Any Questions?
Roel Prins. Editor-in-chief, Journal of Catalysis Jason (Uisshan) OUL. Editor, Carbon Shengi REN. Editor, Progress in Natural Science (China) Terry Shepand. Editor, Nature – Chemical Biology. Peter Thrower. Editor-in-chief, Carbon	ELSEVIER Building Insights. Breaking Roundaries.*

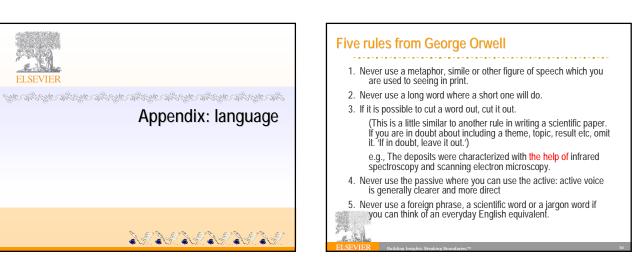
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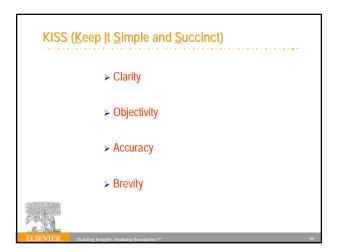
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Clarity

- To communicate effectively to the reader; to make writing persuasive; to show credibility and authority as a writer
- > The first step towards being clear is to be brief.

"Everything should be made as simple as possible, but not simpler". – Albert Einstein

Clarity: avoid...

1. Long phrases that may be better said with one or two words:

- > in view of the foregoing circumstances therefore
- > are found to be in agreement agree
- has the capability of can
- > in an adequate manner adequately

2. Tautology:

- > consensus of opinion consensus
- > fewer in number fewer
- exact duplicate duplicate

Common clarity problems

Misplaced modifiers

The other day I shot an elephant in my pajamas. How he got in my pajamas I'll never know.

--Groucho Marx

Portia rushed to the store loaded with cash to buy a birthday gift. Portia, loaded with cash, rushed to the stored to buy a birthday gift.

- Dangling modifiers
 Having been thrown in the air, the dog caught the stick.
 When the stick was thrown in the air, the dog caught it.
- After mixing CO₂ and N₂, the initial test was carried out. The authors carried out the initial test after mixing CO₂ and N₂.

47

Objectivity

 Reflects the philosophy of the scientific method; to present an unbiased and honest tone; as a general rule, minimize your use of personal pronouns

"From our analysis, we found that activation led to cell death." "This analysis showed that activation led to cell death."

E.C.

uilding Insights. Breaking Boundaries.¹⁹

Accuracy

- Avoid to mislead the reader with inaccurate or incomplete results or misleading interpretations of the data.
- Avoid the use of casual or imprecise language, as this can make a paper less objective, and less accurate:
 - nowadays presently, currently despite the fact that - although goes under the name of - is called
 - on the contrary in contrast (up) until now - to date be that as it may - however

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Brevity

- Write briefly and to the point. Say what you mean clearly and avoid embellishment with unnecessary words or phrases.
- > Use of the active voice alone shortens sentence length considerably.

"... brevity is the soul of wit, and tediousness the limbs and outward flourisnes..."

--William Shakespeare

Brevity: Use shorter phrases or words

- Prior to
- Upon
- Utilise
- Utilisation
- In spite of
- Irregardless
- → Use → Despite

→ Before

→ On

→ Use

→ Regardless



Brevity: Avoid nominalization

"The comparison between X and Y was performed." "We compared X and Y."

"X is the dominant factor of Y no matter what kind of treatment was performed."

"X is the main factor of Y despite the treatments."

"Hydrogen adsorption measurement at the atmospheric pressure was carried out...in the laboratory." "We measured hydrogen adsorption at the atmospheric pressure...in the laboratory."

"...linearly with the increment of the concentrations..."

Brevity: Keep sentences clear and concise

→ "...linearly with increasing concentrations..."

Keep sentences clear and concise

- "To cope with the situations with time- and space-dependent..."
- → "To manage situations with time- and space-dependent..."



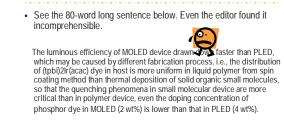
long sentences

Er

Direct and short sentences are preferred!

Long sentences will not make the writing more professional. They only confuse readers.

- > Nowadays, the average length of sentences in scientific writing is about 12-17 words.
- It is said that we read one sentence in one breath. Long sentences choke readers.
- The Chinese language can express more complicated meaning with fewer words than English. You have to change your style when writing in English. One idea or piece of information per sentence is sufficient. Avoid multiple statements in one sentence.



long sentences



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long sentences

• Another awful example (with 91 words):

If it is the case, intravenous administration should result in that emulsion has higher intravenous administration retention concentration, but which is not in accordance with the result, and therefore the more rational interpretation should be that SLN with mean diameter of 46m is greatly different from emulsion with mean diameter of 65 nm in entering tumor, namely, it is probably difficult for emulsion to enter and exit from tumor blood vessel as freely as SLN, which may be caused by the fact that the tumor blood vessel aperture is smaller.

Building Insights. Breaking Boundaries.¹

long sentences

Problems with long sentences:

- Inappropriate use of passive voice or dummy clauses (e.g., "It has been found that there had been many ...") makes sentences complex.
- Bad structure of sentences with wrongly used conjunctive words or dangling modifiers. (e.g., "because..., so...", "Although..., but...", "considering..., it is...")
- Excessive use of subordinate clauses in one sentence. (e.g., "It has already been found that when...there would be ... which...while...")
- Mixing different levels of parallelisms connected by "and" in one sentence. (e.g., "...investigates the constructions of triangular norms <u>and</u> discusses the rotation construction <u>and</u> the rotation-annihilation construction based on weak negations")

long sentences

Example 1: 'Another problem related to the effects of environmental factors on the survival and growth of ECM strains in the Mongolian pine plantations is the distribution of tree root systems, because the distribution of ECM is corresponded with the roots directly, especially the fine roots. Therefore, we observed the root distribution of Mongolian pine in the present study. Results indicated that about 80% of the roots distributed within 20-40 cm soil depth, and more than 85% distributed within 0-40. Combined the observations of soil water content (soil water potential) in the plantation site, we observed that the water conditions within 20-40 cm layer were substantially better than in other layer. Additionally the temperature in month of July (the highest mean temperature in a year) within 20-40 cm layer just fell the optimum range for the growth of the major ECM strains. As for the soil pH it was not the limiting factor within 20-40 cm layer as well. This result suggested that the soil water condition and temperature in the roots distributing layer were suitable for the growth of the tested ECM strains in the plantation.' **Long sentences Editors Comments:**

 • Unfortunately, this is very near to being incomprehensible. Perhaps the following:

 • The distribution of ECM is directly related to the distribution of fine roots in Mongolian pine. About 80% of the roots are within the 20-40 cm layer of soil, we water content is greatest. Thus neither water nor temperature limited the growth of ECM in July, the hottest month of the year.

 • However, no reviewer is going to do what I have done above, and so the paper will be summarily rejected without going out for review.

long sentences

Example 2: 'The clay serves beneficially in the instances where the sands and silts contain hydrolysable nutritive cations and behaves as a detrimental factor if the sand and silt contain non-transferable plant nutrients or only those transferred very slowly.'

- This single sentence contains too much information (and many grammatical errors as well)...
 - > The clay serves beneficially in some sands and silts.
 - > Sands and silts contain hydrolysable nutritive cations
 - > Sands and silts behave as detrimental factor
 - Some nutrients make the sands and silts a detrimental factor
 Plant nutrients in sands and silts may be non-transferable

 - > Or transfer very slowly

Repetition & Redundancy

- Overusing conjunctive words or phrases such as "However", "in addition", "Moreover". Keep the usage of these words to a minimum! •
- Phrases without meaning. Learn from the following comments from an Editor:
 - Never say "and references therein" as in [1] and [25]. Any intelligent reader knows to look at the references in a paper in order to get even more information.
 - Delete "In the present report". It is impossible for it to be in a different report! You start the conclusions "In this report, we have prepared....." This is nonsense. The samples were prepared in the laboratory!



Repetition and Redundancy

- As far as ... is concerned
- At the present time
- · By means of
- In order to
- In view of the fact that
- Red in colour
- Small in size
- Until such time as
- Adequate enough
- Research work
- Schematic diagram
- → Adequate → Research, or work

→ As for

→ By

→ To

→ Red

→ Small

→ Until

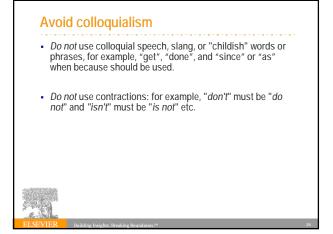
→ At present, or now

→ Since; because

- - → Scheme, or diagram

Wrong use of words and phrases

- · Passive voice used for intransitive verbs e.g., It has been arrived \rightarrow It has arrived at..
- The 3rd singular form of verbs used for plural subjects e.g., The data was calculated → the data were calculated
- Subject of the main clause is not the doer of the dangling modifier e.g., "To improve the results, the experiment was done again." \rightarrow the experiment cannot improve the results itself. It should be "We did the experiment again to improve the results".
- Multiple Nouns
- e.g., 'Mountain Ash regrowth forest 10 cm soil water calcium' ... Mean summer tree leaf water potential → the mean water potential of tree leaves measured in summer
- 20 Spoken abbreviations: "it's", "weren't", "hasn't" - Never use them in scientific writing



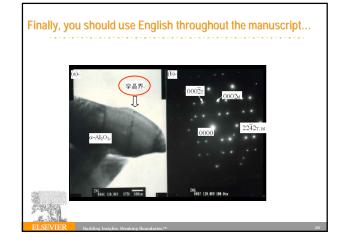
Grammar, spelling, etc.

- You are encouraged to have an English expert proof reading your manuscript. At least you should make use of the spelling and grammar checking tool of your word processor.
- Be sparing when using unfamiliar words or phrase. Do not just rely on electronic dictionaries or translating software, which may bring out ridiculous results (often Chinglish...). You should understand the meaning of every single word you type in the manuscript.
- · US or UK spellings should be used consistently in a paper
- Never let Editors find such a word in your manuscript! (Distinguish zero from the letter "O")



Punctuation

- Write complete sentences with effective punctuation.
- The trend in scientific writing is toward shorter sentences with less punctuation.
- Commas are the most difficult type of punctuation to use. Using commas incorrectly can change the meaning.
- Avoid Asian fonts!



Language Editing Service

Recommend language editing companies •International Science Editing

- •Asia Science editing
- •Edanz Editing
- •SPI Publisher Services
- •Diacritech Language Editing Service

Price rates starts from \$8/page

Use of an English-language editing service listed here is not mandatory, and will not guarantee acceptance publication in Elsevier journals



