

科研规范中的几个常见问题

宁笔

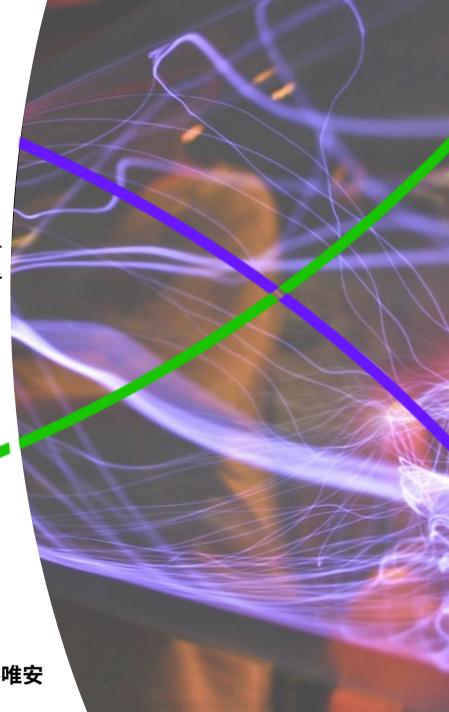
科睿唯安

April 25, 2018

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汤森路透知识产权与科技》新闻快递》汤森路透研究发现:全球创新活力再现,实现两位数增长,中国势头强劲

汤森路透宣布以35.5亿美金向Onex公司和霸菱亚洲投资基金出售其知识产权及科技业务

纽约,**2016**年**7**月**11**日 - 汤森路透(TSX / NYSE: TRI)宣布该公司已经与Onex 公司(Onex Corporation)和霸菱亚洲投资基金(Baring Private Equity Asia)达成最终协议,以35.5亿美金的价格出售汤森路透知识产权与科技业务。

此次出售还需要监管机构的批准以及符合常规成交条件,包括哈特 - 斯科特 - 罗迪诺反托拉斯改进法(Hart-Scott-Rodino Antitrust Improvements Act)规定的等待期的期满或结束,并预计在未来数月内完成。此次出售不附带融资性条件。 Onex 公司和霸菱亚洲投资基金已获得此次交易的债务和股权承诺。

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SCI以前换过一次东家: 1992年



W Institute for Scientific Info ×

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Article Talk

Institute for Scientific Information

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From Wikipedia, the free encyclopedia

For the Soviet Institute with the same name, see VINITI.

The Institute for Scientific Information (ISI) was founded by Eugene Garfield in 1960. It was acquired by Thomson Scientific & Healthcare in 1992,[1] and became known as Thomson ISI. It is now a part of the Intellectual Property & Science business of Thomson Reuters.

ISI offered bibliographic database services. Its specialty: citation indexing and analysis, a field pioneered by Garfield. It maintains citation databases covering thousands of academic journals, including a continuation of its longtime print-based indexing service the Science Citation Index (SCI), as well as the Social Sciences Citation Index (SSCI), and the Arts and Humanities Citation Index (AHCI). All of these are available via ISI's Web of Knowledge database service. This database allows a researcher to identify which articles have been cited most frequently, and who has cited them. The database provides some measure of the academic impact of the papers indexed in it, and may increase their impact by making them more visible and providing them with a quality label. Some anecdotal evidence suggests that appearing in this database can double the number of citations received by a given paper.[2]

The ISI also publishes the annual Journal Citation Reports which list an impact factor for each of the journals that it tracks. Within the scientific community, journal impact factors play a large but controversial role in determining the kudos attached to a scientist's published research record. [citation needed]

A list of over 14,000 journals is maintained by the ISI. The list includes some 1100 arts and humanities journals as well as scientific journals. Listing is based on published selection criteria and is an indicator of journal quality and impact.[3]

ISI publishes Science Watch, a newsletter which identifies every two months one paper published in the previous two years as a "fast breaking paper" in each of 22 broad fields of science, such as Mathematics (including Statistics), Engineering, Biology, Chemistry, and Physics [citation needed] The designations are based on the number of citations and the largest increase from one bimonthly update to the next. Articles about the papers often include comments by the authors.

The ISI also publishes a list of "ISI highly cited researchers", one of the factors included in the Academic Ranking of World Universities published by Shanghai Jiao Tong University.

Recently, some people have argued the credibility of ISI assessment. They believe the ISI organization does not act based on the rules and criteria offered on their website. [4]

The Zoological Record is one of the oldest ISI indexes, which has been abused by some Open Access publishers to get rich and become Slumdog Millionaire. [5]

Many universities, governmental agencies and magazines use Scopus, which has broad global coverage of science and engineering publications, rather than ISI. [6] Scopus also offers unbiased method for selection of scientific documents into its database. Scopus's SCImago Journal Rank (SJR) [7] rank is better than traditional Impact factor because SJR gives more credit for citations coming from higher quality journals but ISI impact factor gives equal weights for all journals

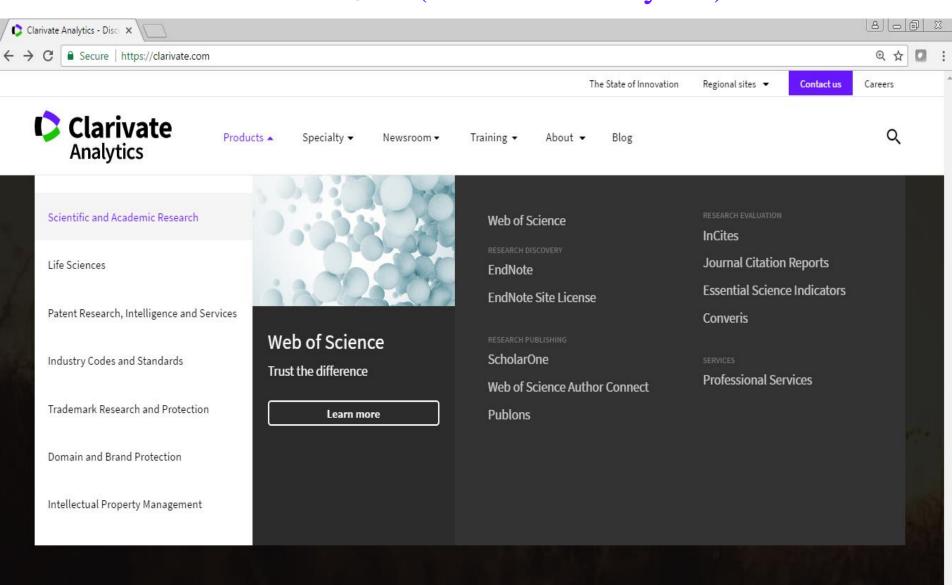
ISI Highly Cited [edit]

"ISI Highly Cited" is a database of "highly cited researchers" —scientific researchers whose publications are most often cited in academic journals over the past decade, published by the Institute for Scientific Information. Inclusion in this list is taken as a measure of the esteem of these academics and is used, for example, by the Academic Ranking of World Universities.

The methodology for inclusion is to consider papers in the upper first percentile based on citation counts[8] of all articles indexed in the Scientific Citation Databases and published in a single, fixed year. Papers in the upper first percentile with respect of their year of publication are called highly cited papers. Each paper in the data is assigned to one or more of 21 categories, based on the ISI classification of the journal in which the article was published. The Highly Cited Researchers list is compiled by selecting, in every field, those researchers with the highest number of highly cited papers in a 10-year, rolling time period. The number of highly cited researchers varies from field to field and is determined accordingly to the total number of researchers contributing to the single field



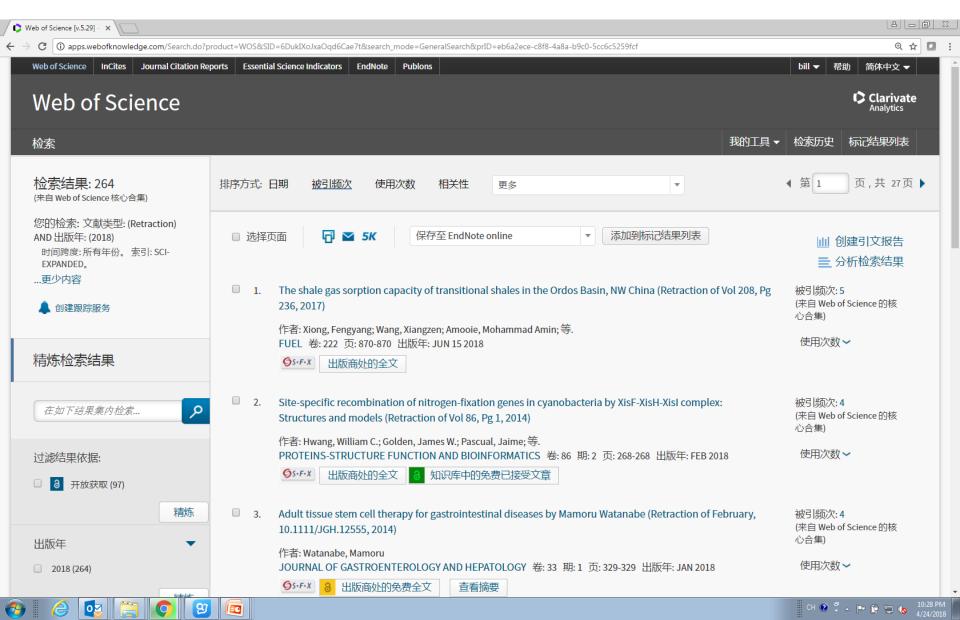
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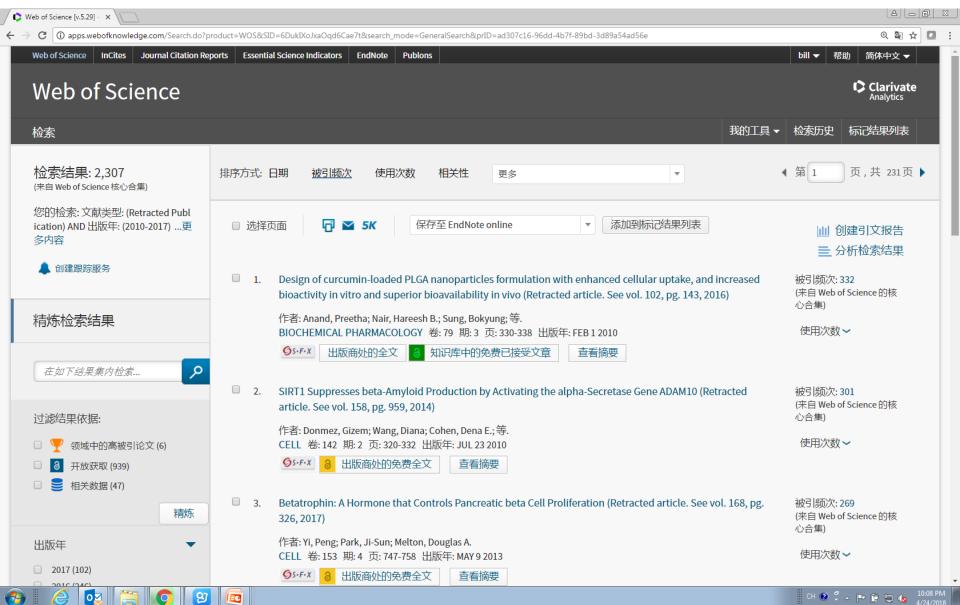
2015年12月中国科协、教育部、科技部、卫生计生委、中科院、工程院、自然科学基金会七部门联合印发《发表学术论文的"五不准"》

- **不准由"第三方"代写论文。**科技工作者应自己完成论文撰写,坚决抵制"第三方"提供论文代写服务。
- **不准由"第三方"代投论文。**科技工作者应学习、掌握学术期刊投稿程序,亲自完成提交论文、回应评审意见的全过程,坚决抵制"第三方"提供论文代投服务。
- **不准由"第三方"对论文内容进行修改。**论文作者委托"第三方"进行论文语言润色,应基于作者完成的论文原稿,且仅限于对语言表达方式的完善,坚决抵制以语言润色的名义修改论文的实质内容。
- 不准提供虚假同行评审人信息。科技工作者在学术期刊发表论文如需推荐同行评审人,应确保所提供的评审人姓名、联系方式等信息真实可靠,坚决抵制同行评审环节的任何弄虚作假行为。
- 不准违反论文署名规范。所有论文署名作者应事先审阅并同意署名发表论文,并对论文内容负有知情同意的责任;论文起草人必须事先征求署名作者对论文全文的意见并征得其署名同意。论文署名的每一位作者都必须对论文有实质性学术贡献,坚决抵制无实质性学术贡献者在论文上署名。

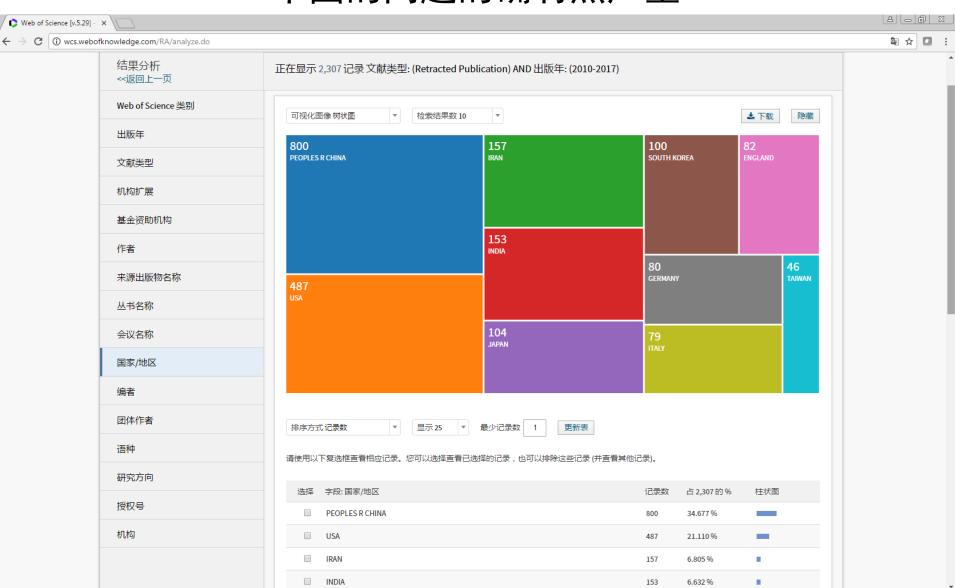
Web of Science中的文献类型: Retraction 和 Retracted Publication



撤稿本身是全球现象



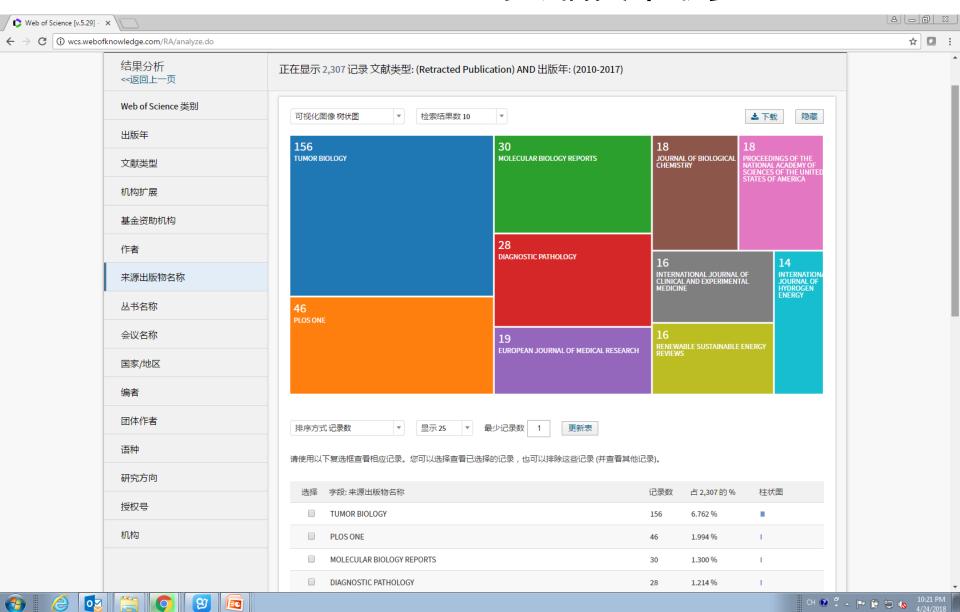
中国的问题的确有点严重



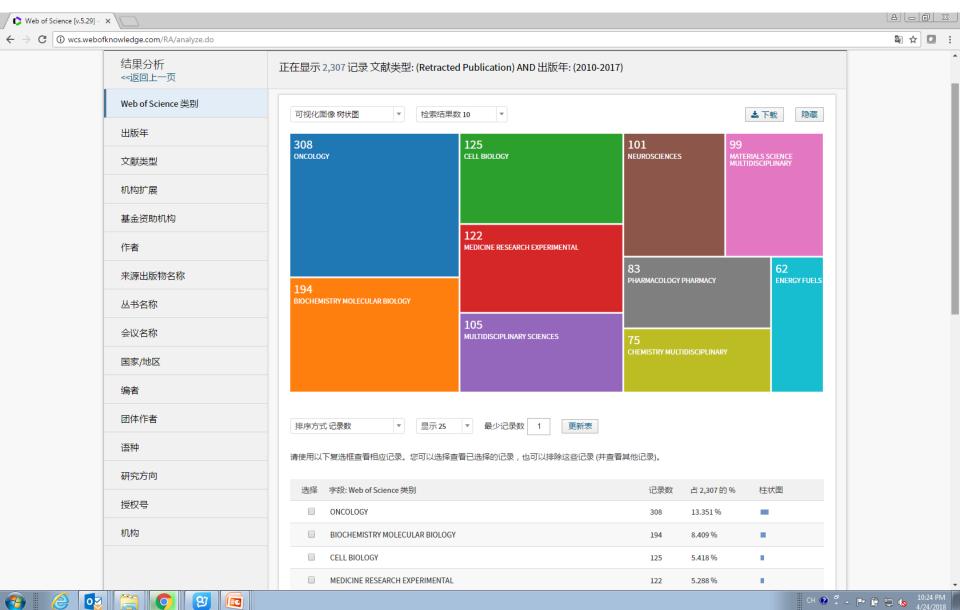
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TUMOR BIOLOGY的撤稿文章最多



ONCOLOGY学科的撤稿文章最多



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- 1. 署名不当
- 2. 引用不当
- 3. 重复发表
- 4. 一稿多投
- 5. 学术伦理



1.1. 中国科学院科研道德委员会2018年4月24日发布《关于在学术论文署名中常见问题或错误的诚信提醒》

提醒一: 论文署名不完整或者夹带署名。应遵循学术惯例和期刊要求,坚持对参与科研实践过程并做出实质性贡献的学者进行署名,反对进行荣誉性、馈赠性和利益交换性署名。

提醒二:论文署名排序不当。按照学术发表惯例或期刊要求,体现作者对论文贡献程度,由论文作者共同确定署名顺序。反对在同行评议后、论文发表前,任意修改署名顺序。部分学科领域不采取以贡献度确定署名排序的,从其规定。

提醒三:第一作者或通讯作者数量过多。应依据作者的实质性贡献进行署名,避免第一作者或通讯作者数量过多,在同行中产生歧义。

提醒四: 冒用作者署名。在学者不知情的情况下,冒用其姓名作为署名作者。论文发表前应让每一位作者知情同意,每一位作者应对论文发表具有知情权,并认可论文的基本学术观点。

提醒五:未利用标注等手段,声明应该公开的相关利益冲突问题。应根据国际惯例和相关标准,提供利益冲突的公开声明。如资金资助来源和研究内容是否存在利益关联等。

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1.1. 中国科学院科研道德委员会2018年4月24日发布《关于在学术论文署名中常见问题或错误的诚信提醒》

提醒六:未充分使用志(致)谢方式表现其他参与科研工作人员的贡献,造成知识产权纠纷和科研道德纠纷。

提醒七:未正确署名所属机构。作者机构的署名应为论文工作主要完成机构的名称, 反对因作者所属机构变化,而不恰当地使用变更后的机构名称。

提醒八:作者不使用其所属单位的联系方式作为自己的联系方式。不建议使用公众邮箱等社会通讯方式作为作者的联系方式。

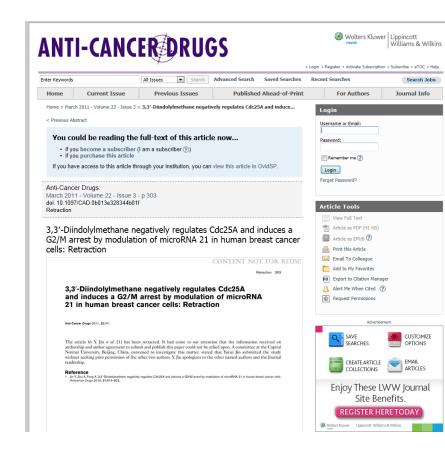
提醒九:未引用重要文献。作者应全面系统了解本科研工作的前人工作基础和直接相关的重要文献,并确信对本领域代表性文献没有遗漏。

提醒十:在论文发表后,如果发现文章的缺陷或相关研究过程中有违背科研规范的行为,作者应主动声明更正或要求撤回稿件。

1.2. 例1(署名不当):

第一作者未经许可借他人名义署名文章论文被撤销

- SCI收录期刊《抗癌药物》(Anti-Cancer Drugs)期刊2011年发表一份声明,撤销首都师范大学(第一作者兼通讯作者)的一篇文章。
- 该声明称,期刊注意到该文章的作者信息和有关提交与发表文章的作者同意书(author agreement)存在疑问,首都师范大学学术委员会对此事调查后确认该文章的第一作者在未经文章另外两位作者的许可下就向《抗癌药物》提交论文。
- 该文章已被撤销,第一作者也向两位被冒名的作者及期刊读者表示歉意



合作研究成果在呈现前应经过所有署名人审 阅并同意

2.1. 常见的引用问题

- ▶该引的没引;
- ▶不该引的引了;
- ▶参考文献不够规范。

2.2. 例2(引用不当): 没有正确地引用已有文献被撤销论文

• 2012年《化学物理期刊》 (Journal of Chemical Physics) 刊登撤销声明称,应作者要求, 撤销国内某大学某课题组的一 管论立





作者在声明中表示,之所以撤销该文是由于论文中势能面数据被他们误以为是 首次计算得到的。实际上,该势能面数据已由另一位科学家于两年前计算得出 并将结果发表在同一本期刊上了。作者为"没有正确地引用已有文献以及在未 获得原作者允许的情况下就重复该结果"而道歉。

3.1. 重复发表的几种情况

- ▶学位论文再发期刊论文;
- >会议论文再发期刊论文;
- ▶图表的重复利用;
- ▶自我剽窃。

不同语种发表相同内容需要处理得当:明确注明并得到许可。

3. 2. 例3(重复发表): Sedimentary Geology和 Geomorphology撤销兰州大学2篇论文



Sedimentary Geology

Volume 290, 15 May 2013, Pages 149-156



《沉积地质学》

RETRACTED: The influence of sand diameter and wind velocity on sand particle lift-off and incident angles in the windblown sand flux

Tian-Li Bo ♣ · ™, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang

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doi:10.1016/j.sedqeo.2013.03.013

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Referred to by

Tian-Li Bo, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang

Retraction notice to The influence of sand diameter and wind velocity on sand particle lift-off and incident angles in the windblown sand flux Sedimentary Geology Volume 290, 15 May 2013, Pages 149–156

This article has been retracted: please see Elsevier Policy on Article Withdrawal (http://www.elsevier.com/loc ate/withdrawalpolicy).

This article has been retracted at the request of the Editors-In-Chief. "这些论文属

This article also contains significal i我执表,of te其内容显然病,Tat have appeared in 加文音由多次重复岩表。"

- Tian-Li Bo, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang, The Influence of wind velocity and sand grain diameter on the falling velocities of sand particles, Powder Technology, Volume 241, June 2013, Pages 158-165.
- Tian-Li Bo, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang, Analysis of sand particles' lift-off and incident velocities in wind-blown sand flux, Acta Mechanica Sinica, April 2013, Volume 29, Issue 2, pp 158,165
- Tian-Li Bo, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang, Influence of sand grain diameter and wind velocity on lift-off velocities of sand particles, The European Physical Journal E, May 2013, 36:50.
- Tian-Li Bo, Shao-Zhen Duan, Xiao-Jing Zheng, Yi-Rui Liang, The influence of sand bed temperature on lift-off and falling parameters in windblown sand flux, Geomorphology, Volume 204, 1 January 2014, Pages 477-484.

The scientific community takes a very strong view on this matter and apologies are offered to readers of the journal that this was not detected during the submission process.



grain diameter on the falling velocities of sand particles, Powder Technology, Volume 241, June 2013,

Tian-Li Bo, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang, Analysis of sand particles' lift-off and incident velocities in wind-blown sand flux, Acta Mechanica Sinica, April 2013, Volume 29, Issue 2, pp

Tian-Li Bo, Xiao-Jing Zheng, Shao-Zhen Duan, Yi-Rui Liang, Influence of sand grain diameter and wind velocity on lift-off velocities of sand particles, The European Physical Journal E, May 2013, 36:50.

The "slicing" of research that would form one meaningful paper into several different papers represents an

The scientific community takes a very strong view on this matter and apologies are offered to readers of the

Pages 158-165.

abuse of the scientific publishing system.

journal that this was not detected during the submission process.

158-165.

4.1. 一稿多投

- ▶您的时间宝贵,编辑和审稿人的时间呢?
- ▶竞争期刊在此事上通常是合作!

4. 2. 例4(一稿多投):

Solid State Communications两次撤稿

- 《固体通讯》(Solid State Communications) 2011年撤消了日本学者发表在2009年文章,撤 消声明说该论文曾经发表在《应用物理学快报》 (Applied Physics Letters)92 (2008) 152905 上, 作者在投稿时曾经明确声明相关研究工作具原 创性,并未在其他期刊发表。
- 2012年《固体通讯》再次发表该文的撤消声明, 该作者严重侵犯了科学出版系统,第一作者 承担全部责任,其他两位作者并不知情。





《固体通讯》2011年撤消声明



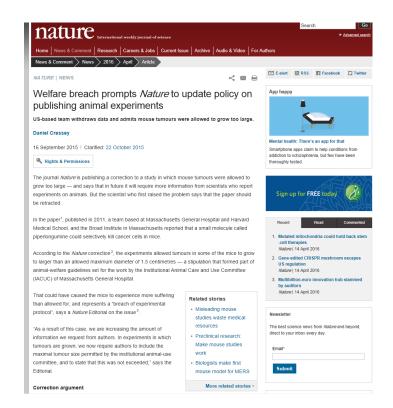
SCI收录与撤销记录

5.1. 学术伦理

- ▶医学伦理
- ▶动物伦理

5.2. 例5(学术伦理): 《自然》论文因违反动物福利引科学家争议

- 麻省总医院-哈佛医学院Sam Lee教授一篇《自然》 论文因实验小鼠肿瘤直径过大而发布修改通知。 论文的结论依然有效,但论文中违规的数据已撤 下。
- 这篇论文发表于2011年,由麻省总医院、哈佛医学院及Broad研究所共同组成的科研小组研究完成,论文报道小分子化合物荜茇酰胺可以特异性杀死小鼠中癌细胞。
- 《自然》发布修改通告称,实验中一些小鼠成瘤的直径超过动物福利准则规定的1.5厘米。该动物福利准则是由美国麻省总医院动物保护及利用协会(IACUC)制定的。《自然》社论称,《自然》期刊要求作者控制肿瘤的直径,使其不违反动物使用制度委员会制定的准则。
- 成瘤直径大小在不同研究机构准则是不同的,英国一研究小组在2010年发布的准则是小鼠中不超过1.2厘米,而美国研究机构的准则一般是不超过2厘米。



中国政府的态度是坚决的



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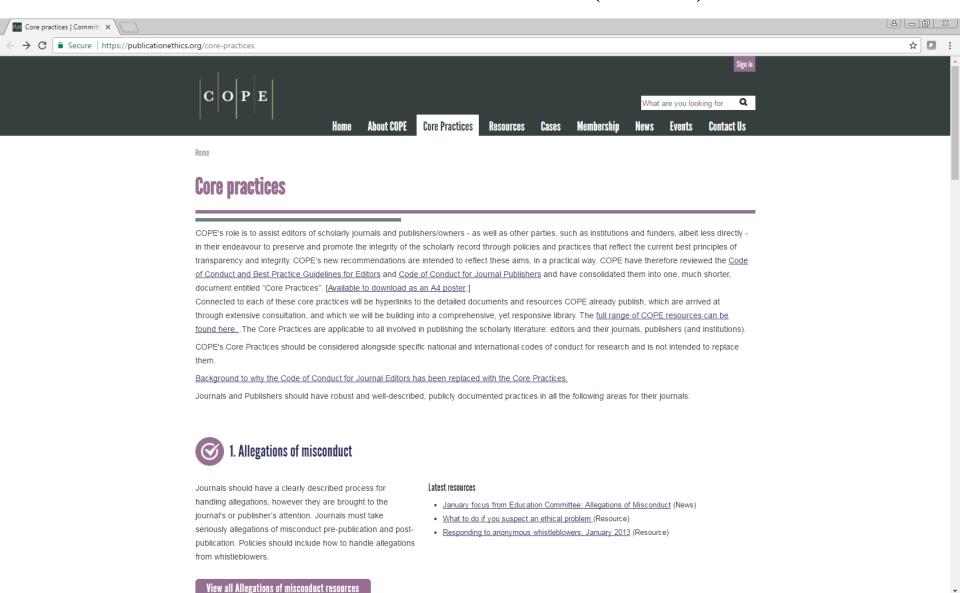
2018年3月28日,中央全面深化改革委员会第一次会议审议通过了: 《关于进一步加强科研诚信建设的若干意见》

会议强调,进一步加强科研诚信建设,

要坚持预防和惩治并举,坚持自律和

监督并重,坚持无禁区、全覆盖、零容忍,推进科研诚信建设制度化,严肃查处 违背科研诚信要求的行为,营造诚实守信、 追求真理、崇尚创新、鼓励探索、勇攀高 峰的良好科研氛围。

Committee on Publication Ethics 国际出版伦理委员会(COPE)



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----《汉书·晁错传》

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