

# China's Practice of Promoting Responsible Evaluation

— From the Perspective of Research Integrity

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# Outline



**Improper evaluation cause research integrity problems**



**China's practice in research integrity**



**Discussion**

# Publish or perish?



# Pressure from research evaluation



# Research integrity problems

## Bio journal retracts 107 Chinese research papers

By Shan Juan | China Daily | Updated: 2017-04-24 07:42



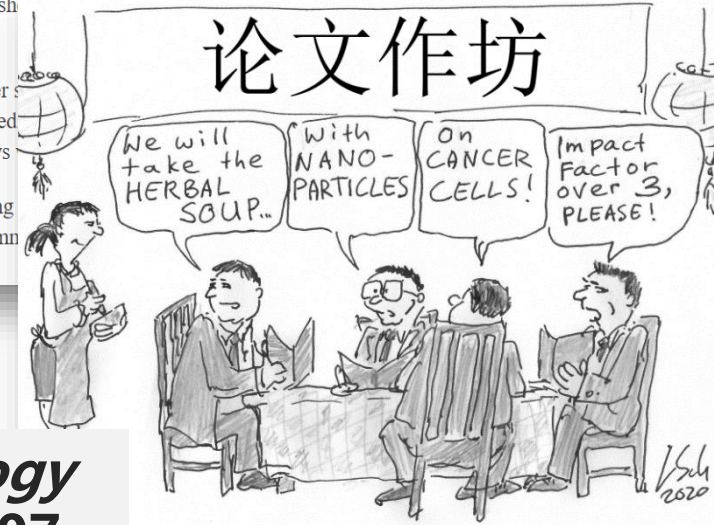
### Fake peer reviews cited; uproar reignites questions of credibility

An international medical journal's retraction of 107 research papers from China, many of them by clinical doctors, has reignited concerns over academic credibility in the country.

Tumor Biology, a journal published by Springer Nature, announced last week that it had retracted the papers after an investigation showed the research was compromised.

"The articles were submitted with reviewer comments that were fabricated email addresses," Peter Butler, editor-in-chief of Springer Nature, told Shanghai-based news agency Xinhua.

"The editors thought the articles were being submitted by real researchers," he said. "Following our investigation and confirmation, they did not conduct the peer review."



***Tumor Biology***  
**Retracted 107**  
**Chinese paper**

**Paper mill**



**The construction of research integrity is inseparable from the reform of S&T evaluation system**



**Research integrity  
is the cornerstone  
of innovation**

# Reports and speeches by the President and the Prime Minister

将科研诚信和学风建设摆在科技工作的突出位置

——在科研诚信与学风建设座谈会上的讲话

(2010年3月30日)

刘延东

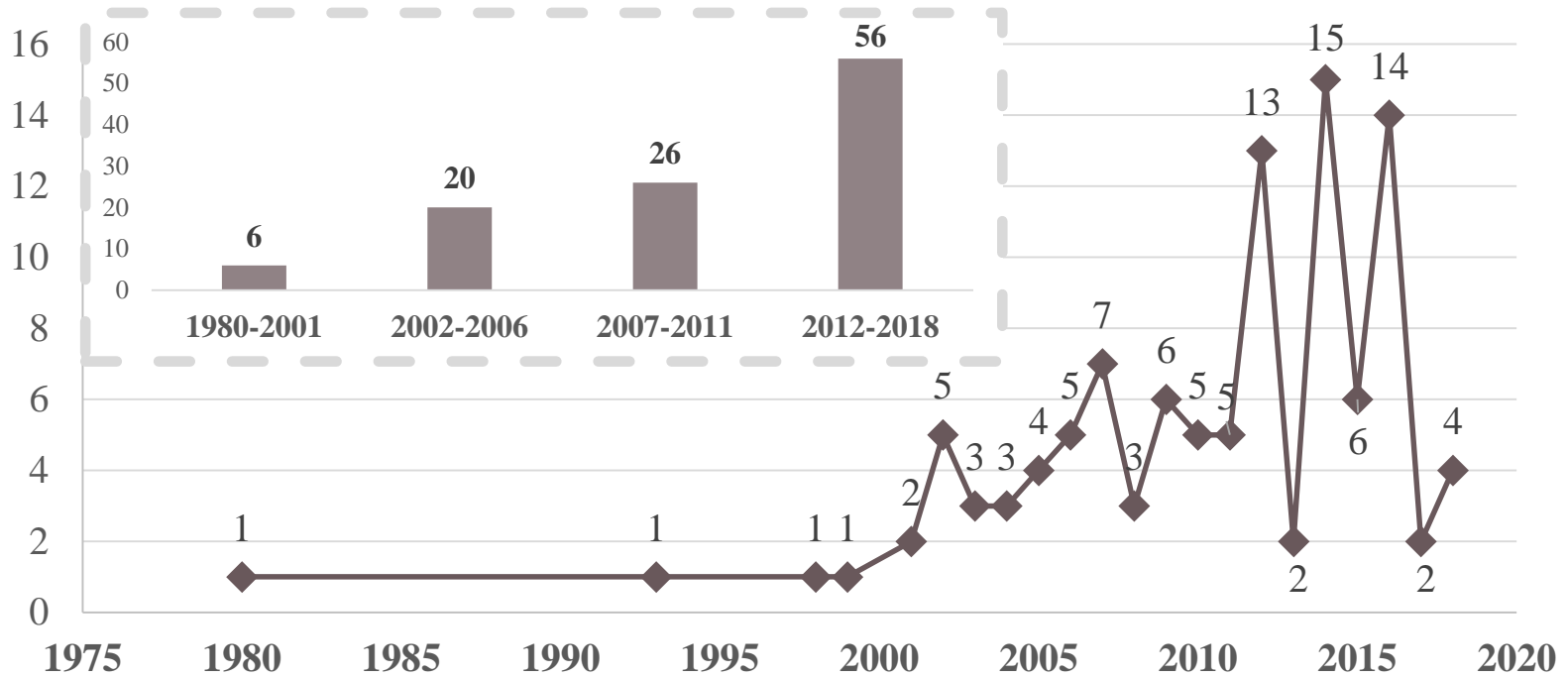
**决胜全面建成小康社会  
夺取新时代中国特色社会主义伟大胜利**  
——在中国共产党第十九次全国代表大会上的报告  
(2017年10月18日)  
习近平

中共中央办公厅 国务院办公厅印发《关于进一步加强  
科研诚信建设的若干意见》

**政府工作报告**  
——2019年3月5日在第十三届全国人民  
代表大会第二次会议上  
国务院总理 李克强

The Chinese government gradually pays more attention to 'research integrity'



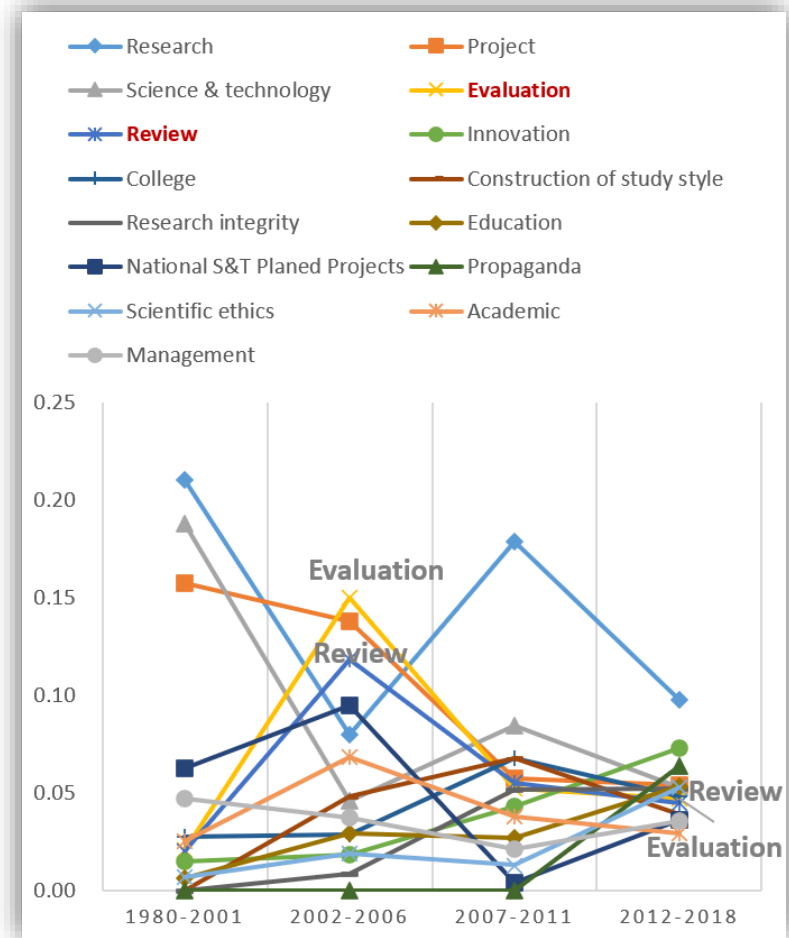


**Annual publication of China's national scientific research integrity policy**

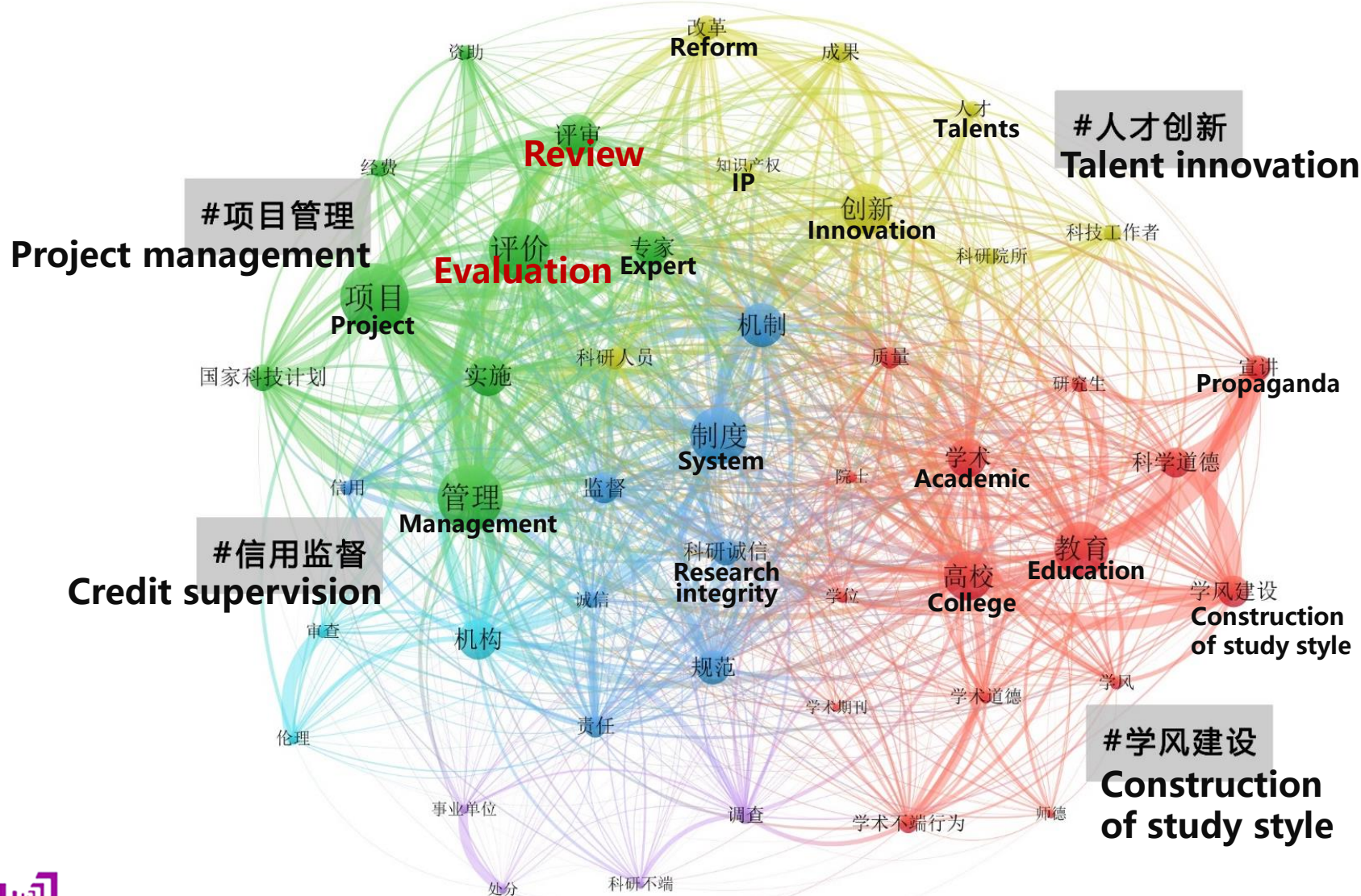


## Top 15 Keywords of China's National Research Integrity Policies

No.	Keywords	TF*IDF
1	research	0.1173
2	project	0.0735
3	science & technology	0.0655
4	<b>evaluation</b>	0.0625
5	<b>review</b>	0.0567
6	innovation	0.0551
7	college	0.0479
8	construction of study style	0.0439
9	research integrity	0.0424
10	education	0.0415
11	National S&T Planed Projects	0.0402
12	propaganda	0.0378
13	scientific ethics	0.0368
14	academic	0.0367
15	management	0.0335



Changes in the importance of top 15 keywords in China's national research integrity policies



中共中央办公厅 国务院办公厅印发《关于进一步加强  
科研诚信建设的若干意见》

## Several Opinions on Further Strengthening the Construction of Research Integrity

- ❑ Further deepen the reform of the scientific research evaluation system.
  - ✓ **Regarding research integrity as an important indicator of scientific research evaluation**
- ❑ Establish an early warning mechanism for academic journals.
  - ✓ **Blacklist journals are not recognized in the evaluation**
- ❑ Establish and improve the scientific research integrity information system.
  - ✓ **Carrying out research integrity evaluation**

科学技术部令第19号 科学技术活动违规行为处理暂行规定

## **MOST Order No. 19: Interim Provisions on the Handling of Violations in Scientific and Technological Activities**

- ❑ Object: violation behaviors of relevant personnel in science and technology activities
- ❑ Punishment standard of scientific misconduct

## The Chinese government's overall measures to promote responsible evaluation in the research integrity policy

- ❑ Zero tolerance for research misconduct (dishonest researchers are not considered in research evaluation)
- ❑ Get rid of the paper only evaluation, promote classified evaluation, transform the research evaluation system

## **The Chinese scientific research community also attaches great importance to research integrity**

- ❑ Hot debate among scientists
- ❑ Offer advices and suggestions
- ❑ The formation of Research Integrity society:
  - ✓ Research Integrity and Responsible Innovation Committee of the Chinese Association for Science of Science and S&T Policy

**Chinese  
government**

**Chinese research  
community**

**efforts**

**Research  
integrity**



**Responsible  
evaluation**

**Promote research  
integrity in evaluation**

## **Discussion:**

How can responsible evaluation further help the construction of better research integrity or vices versa?