Chemistry journals in China and chemical papers from China:

What is the future?

Xiaowen Zhu
Managing Editor, Frontiers of CS&E
1. Chinese government and many Universities encourage the researchers publish their results in high IF journals.

2. Few China journals have high IF.

3. Chinese government gives large financial support to journals to obtain high IF.

Future???
What do the Chinese authors concern?

- Reputation
- Indexed by SCI
- Impact factor
- Ref. standard
- Pulication speed
- Page charges

The chart shows the concerns of Chinese authors, with reputation being the most important factor followed by indexed by SCI, impact factor, reference standard, publication speed, and page charges being the least relevant.
Publications supported by the NSFC

1. More papers are published in the international journals since 2012
2. There are still a considerable amount of papers are published in China journals
1. Number of SCI chemical papers from China increased quickly, especially papers in English (more than 40,000 in 2013).
2. Number of SCI papers in Chinese showed almost no change (about 2,000/year).
3. Almost 7,000 non-SCI papers are published every year.

Date from Web of Science and Chinese Science Citation Database
Chemistry journals in China

More than 5,000 academic journals
No more than 100 on chemistry
16 chemistry journals, and 9 in Chinese
1 chemical engineering
About 500 on chemical engineering
### SCI indexed chemistry journals

<table>
<thead>
<tr>
<th>Language</th>
<th>Journal Title</th>
<th>Publisher</th>
<th>Co-Publisher</th>
<th>Articles</th>
<th>IF</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Chinese Chem Lett</td>
<td>IMMMCAM</td>
<td>Elsevier</td>
<td>307</td>
<td>1.178</td>
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<tr>
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<td>Jilin U</td>
<td>Springer</td>
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<td>English</td>
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<td>Shanghai Inst Org Chem, CAS</td>
<td>Wiley</td>
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<td>1.040</td>
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<td>Fujian Inst Res Struc Mater, CAS</td>
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<td>Acta Phys-Chim Sin</td>
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<tr>
<td></td>
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<td>Elsevier</td>
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<td>0.872</td>
</tr>
</tbody>
</table>

1. Too small “publisher” and editorial offices have to do everything including editing, reviewing, inviting papers, promotions ...
2. Numbers of articles are small especially the journals in English
## International Influence Promotion Project for Journals of Science and Technology in China

4 journals on chemistry and 2 journals on chemical engineering received large financial support.

<table>
<thead>
<tr>
<th>Language</th>
<th>Journal Title</th>
<th>Year of 2014-2016</th>
<th>IF of 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Sci China Chem</td>
<td>1 million/year</td>
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<tr>
<td>English</td>
<td>Chinese J Polym Sci</td>
<td>1 million/year</td>
<td>&lt; 2.0</td>
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<tr>
<td>English</td>
<td>Chinese Chem Lett</td>
<td>1 million/year</td>
<td>&lt; 2.0</td>
</tr>
<tr>
<td>English</td>
<td>Chinese J Chem</td>
<td>1 million/year</td>
<td>&lt; 2.0</td>
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<tr>
<td>English</td>
<td>Chinese J Chem Eng</td>
<td>1 million/year</td>
<td>&lt; 2.0</td>
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<tr>
<td>English</td>
<td>Front Chem Sci Eng</td>
<td>1 million/year</td>
<td>-</td>
</tr>
</tbody>
</table>

(1) International editorial board; (2) Attracting best papers from scientists in China and other countries; (3) International referees; (4) International managing editors ...
What is the future?

- Few "best papers" (3~5 years)
- A few of "best papers" (5~10 years)
- Some "best papers" (10~20 years)
- Some journals in China will have really international influence including some OA journals

Challenging for journals in China to have major changes

Limited by the internet platform, marketing ability, article numbers ...

CCS maybe establish its publishing department

A few of journals including new launched journals published by international publishers will get higher IF (maybe 5.0)
What
“editorial offices”
do
Network in researchers and academic agencies

Yves Queneau

Marsha Lester

ACS

Ronald Breslow

Université de Montréal
2008-2013

>20 Editorial board meetings
>40 Editorial office meetings with editor-in-Chief

Active & creative
2008-2013

6 Symposia
>20 Presentations
>500 Visiting Scientists

Soochow University
Tianjin University
Honking University
Nankai University
A better way to academic journals? communication?
Academic Supports

- The School of Chemical Engineering and Technology ranks **No. 1 in China** since 2003.

- The highest honorary/advisory academic institute in China on engineering.

- The first and only BEng in Chemical Engineering in China that received the “Master Level” accreditation by IChemE.
Financial Supports

✓ Received financially support from CAE

✓ Received financially support from Tianjin University

✓ Enrolled in the Chinese Government Program “International Influence Promotion Project for Journals of Science and Technology in China”

¥1,000,000/year
More international influence

Prof. Victor C. Yang
(Biochemical Engineering and Biotechnology)
University of Michigan

Prof. Johannes W. Schwank
(Reaction Engineering, Catalysis and Kinetics)
University of Michigan
Thank you!

zhuxiaowen74
@126.com