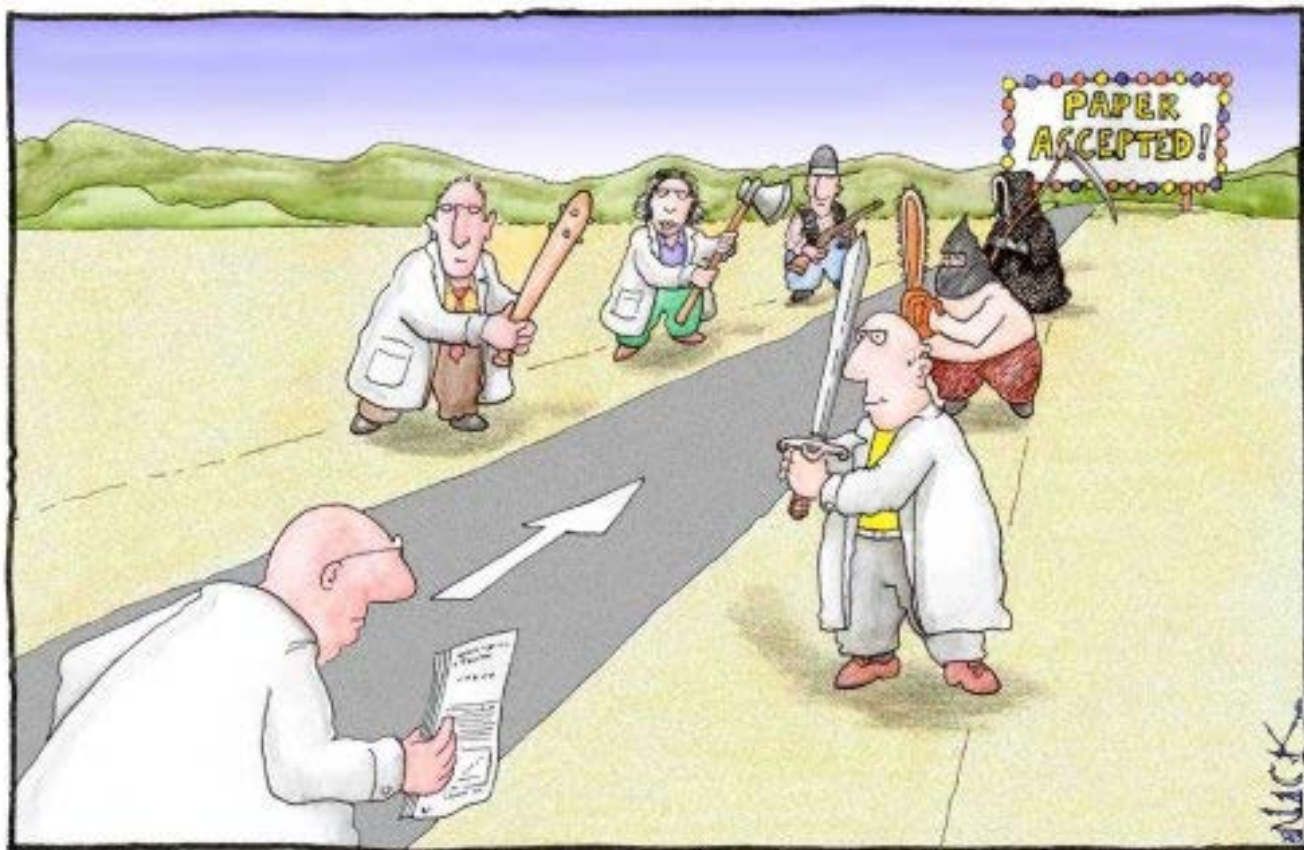


SCI论文写作技巧与注意事项



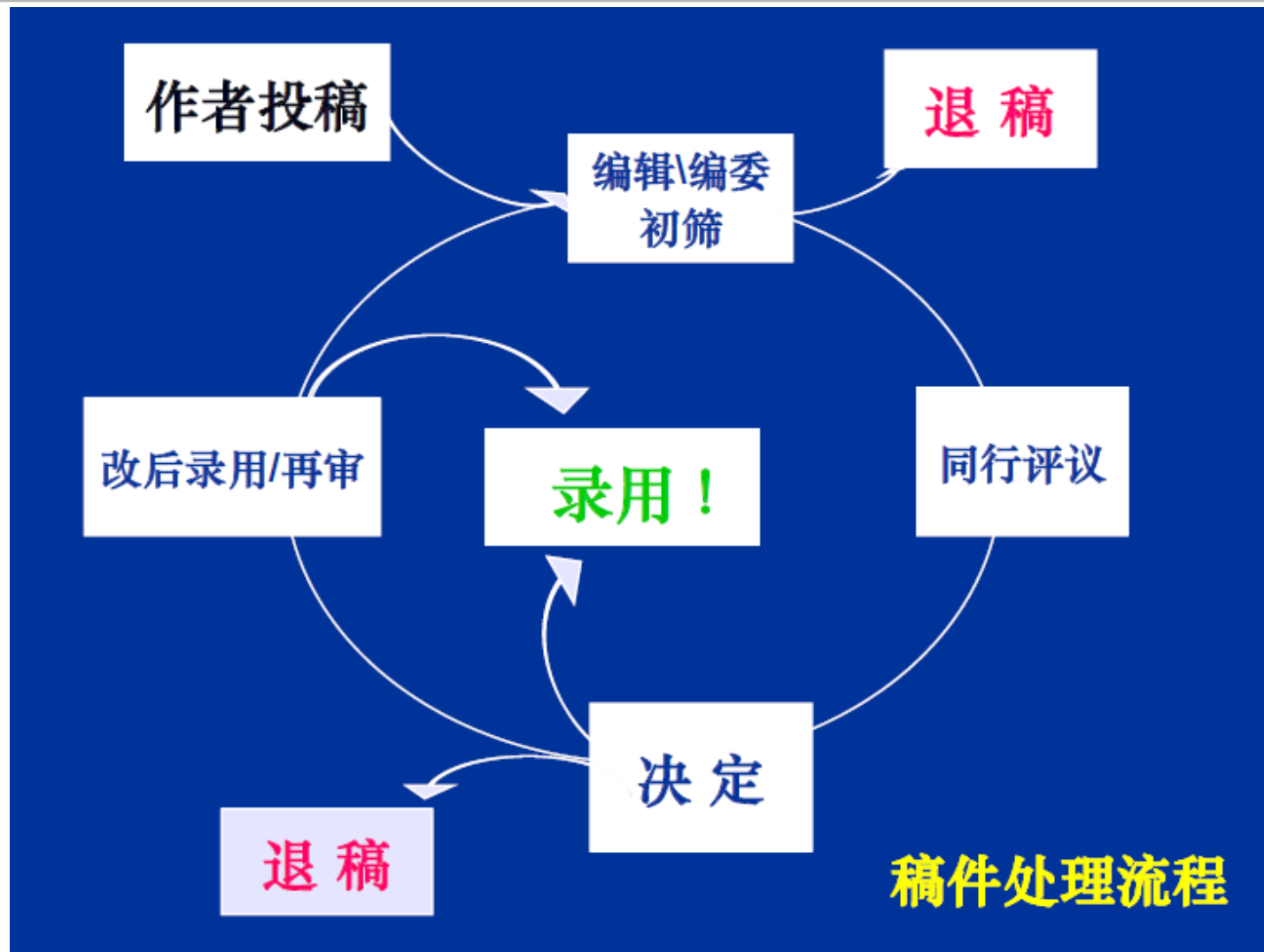
Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

发表文章的重要性

- **Publish or perish**（发表或者灭亡）
 - 科研成果：如果没有发表，就等于不曾存在；
 - 科研人员：没有论著发表，职业生涯将难以为继
- 文章不是万能的，但没有文章是万万不能的



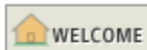
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3	COMPR REV FOOD SCI F	1541-4337	804	3.724	4.297
4	FOOD BIOPROCESS TECH	1935-5130	965	3.703	4.500
5	TRENDS FOOD SCI TECH	0924-2244	5245	3.672	5.857
6	FOOD CHEM	0308-8146	36842	3.655	4.268
7	ANNU REV FOOD SCI T	1941-1413	76	3.600	3.600
8	FOOD HYDROCOLLOID	0268-005X	5607	3.473	3.460
9	INT J FOOD MICROBIOL	0168-1605	16332	3.327	3.847
10	FOOD MICROBIOL	0740-0020	4565	3.283	3.768
11	FOOD RES INT	0963-9969	6837	3.150	3.549
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13	FOOD CHEM TOXICOL	0278-6915	12529	2.999	3.078
14	J AGR FOOD CHEM	0021-8561	71104	2.823	3.239
15	FOOD CONTROL	0956-7135	4425	2.656	2.849
16	CHEM SENSES	0379-864X	3448	2.599	2.842
17	J DAIRY SCI	0022-0302	27764	2.564	2.903
18	LWT-FOOD SCI TECHNOL	0023-6438	7063	2.545	3.011
19	PLANT FOOD HUM NUTR	0921-9668	1448	2.505	2.889
20	AUST J GRAPE WINE R	1322-7130	1197	2.467	2.797

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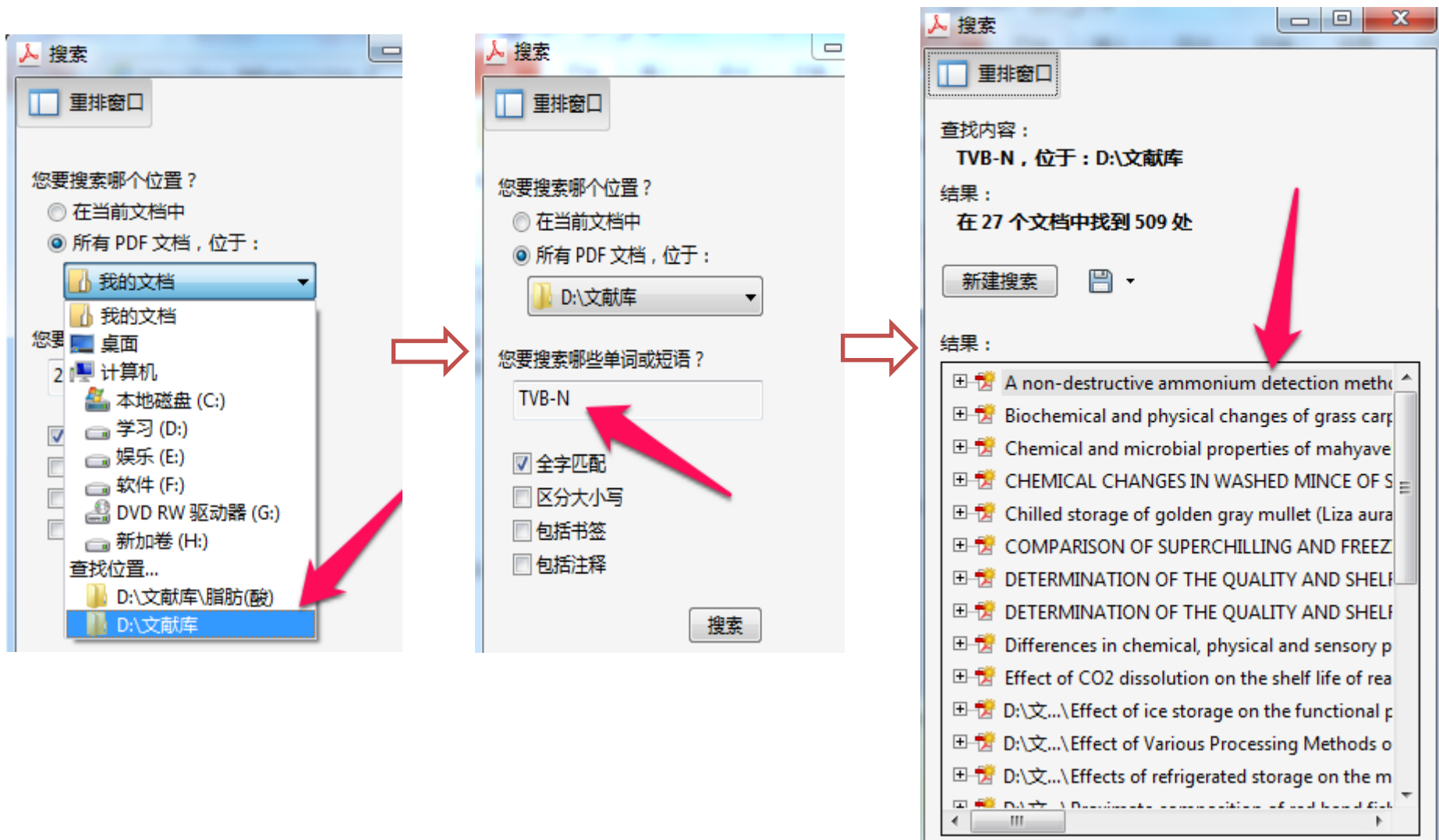
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搜索

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TVB-N，位于：D:\文献库

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新建搜索

结果：

A non-destructive ammonium detection metho

TVB-N) in the cod fillets. This non-destruct

TVB-N) content is often used as an index of

measuring TVB-N in fish, but several simple

with TVB-N measurements from the fish w

of TVB-N compounds. Although several no

Destructive TVB-N and TMA analysis 2.3.1.

for TVB-N and TMA measurements were pa

TVB-N-analysis TVB-N was determined in t

TVB-N was determined in triplicate in an ex

distilled TVB-N. The green alkaline distillate

for TVB-N determination. 2.4. Destructive a

the TVB-N analysis was neutralized to pH 7-

the TVB-N content of fish (Cill 1999; Osh

排序依据： 相关程度

☒ 折叠文件路径

优化搜索结果

A non-destructive ammonium detection method as indicator for freshness for packe

文件(F) 编辑(E) 视图(V) 窗口(W) 帮助(H)

创建

3 / 8

102%

ARTICLE

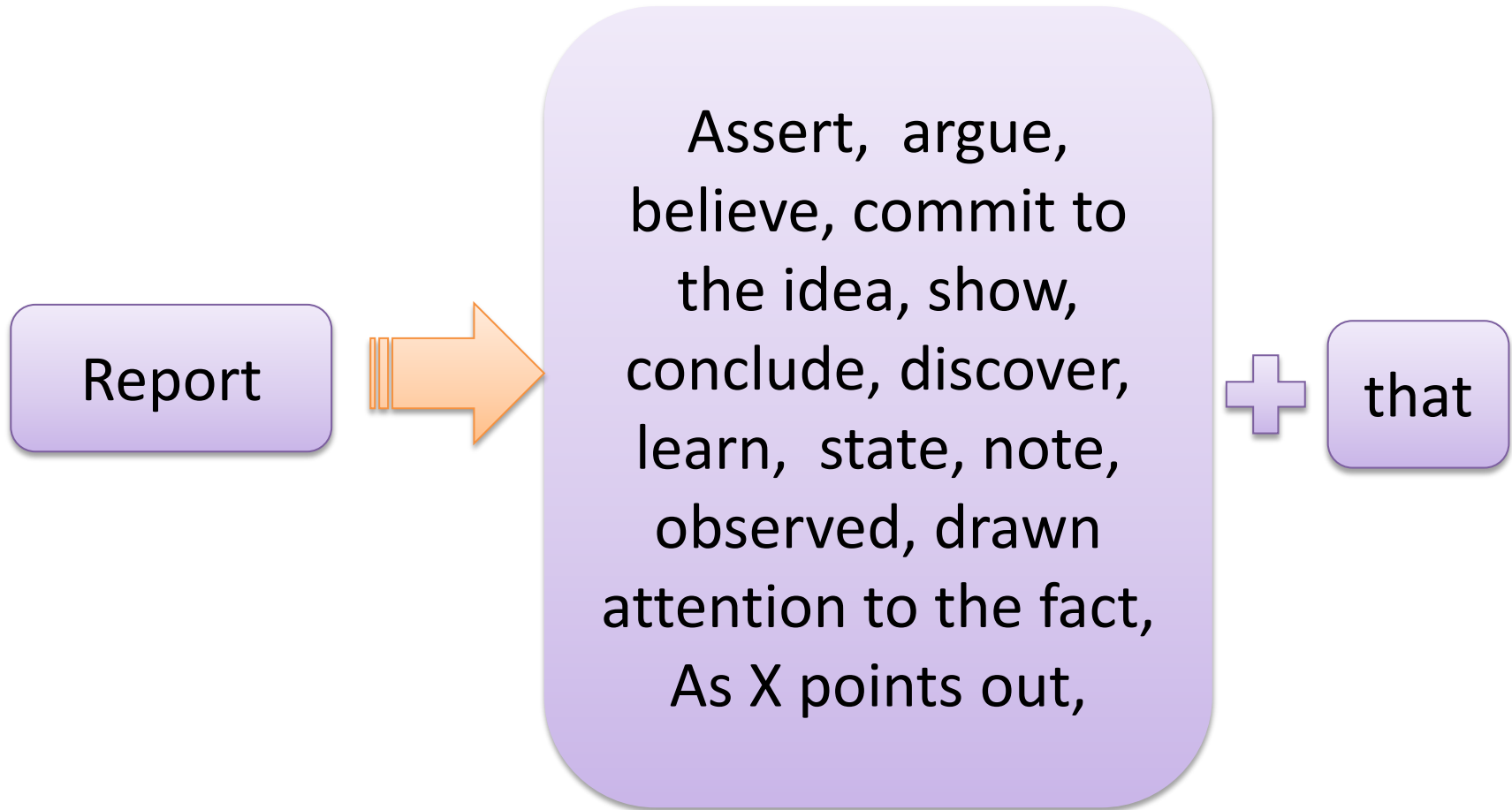
J.K. Heising et al./Journal of Fo

Tao (1987). Steam distillation (Gerhard Vadopest 12-Kjedahl type distillatory) was carried out for 7.3 min on the TCA extract. About 25 ml of filtrate were loaded into the distillation tube followed by 5 ml of 10% (w/v) NaOH. A beaker containing 10 ml of a 4% aqueous boric acid solution (Merck 1.00165) and 0.04 ml of Mixed indicator 5 for ammonia titrations (Merck 1.06130) was placed at the end of the condenser. The boric acid solution turned green when alkalized by the distilled TVB-N. The green alkaline distillate was titrated using a digital burette (Schott type T80 /20) containing an aqueous 0.1 N hydrochloric acid solution (Merck 1.09973). Complete neutralization was obtained when the color turned pink on the addition of a further drop of hydrochloric acid. This procedure was repeated for triplicate analysis.

TMA was determined in duplicate in an extract of the cod fillet according to the steam distillation method described by Malle and Tao (1987). About 20 ml of ~36% aqueous formaldehyde-solution (Fluka 47630) (formaldehyde complexes with primary and secondary amines, but not with tertiary amine TMA) was added to 25 ml of filtrate, followed by 5 ml of 10% (w/v) NaOH. Steam distillation was performed as for TVB-N determination.

2.4. Destructive ammonia analysis

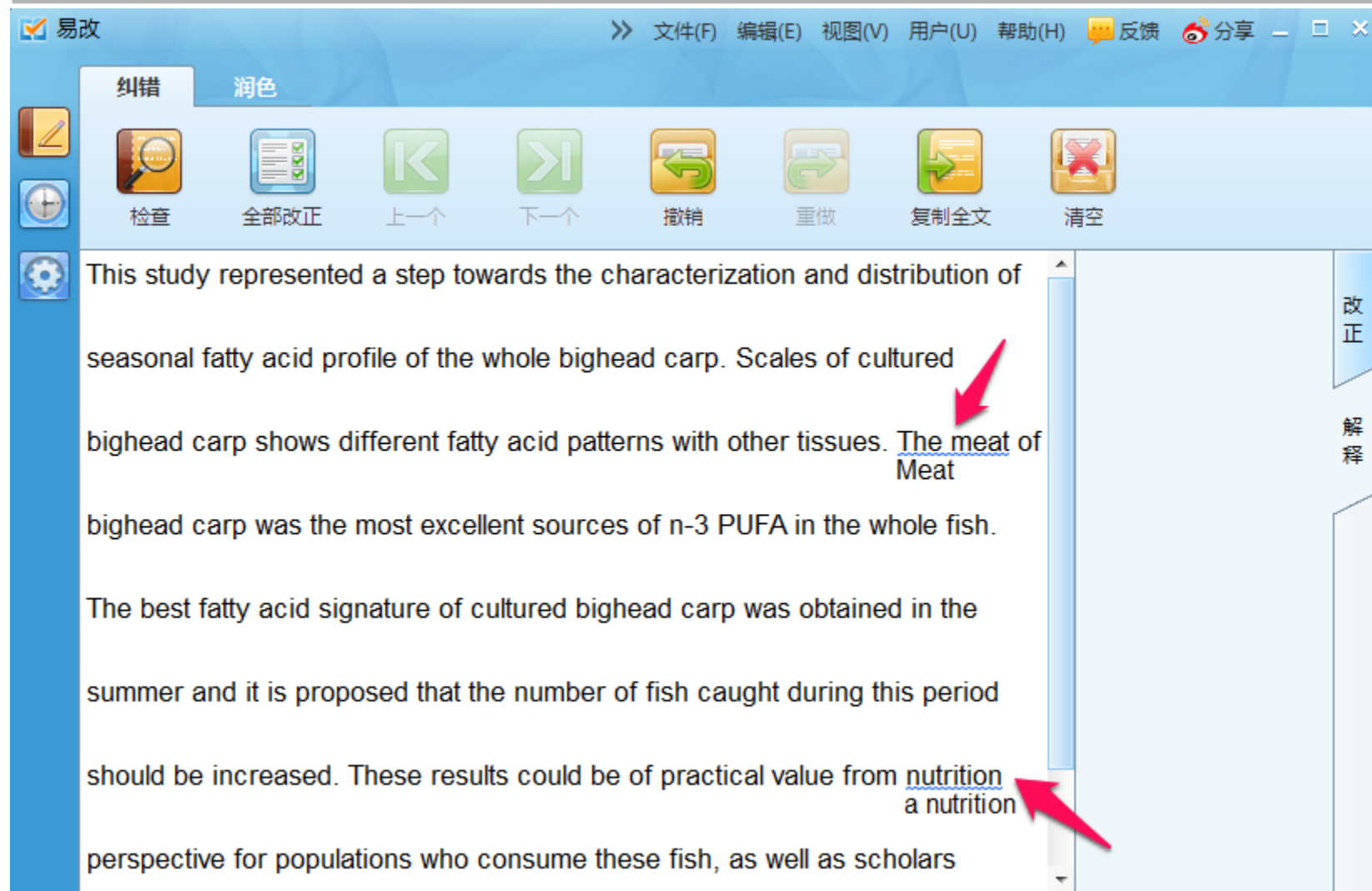
避免重复



“a, an, the”的用法

- 上文提到过的人或事：He bought a house. I've been to the house.
- 用在序数词（first, second）和形容词最高级，及形容词 only, very, same等前面
- 用在某些由普通名词构成的国家名称、机关团体、阶级、等专有名词前：
the People's Republic of China 中华人民共和国
the United States 美国

“a, an, the”的快速检查方法



避免使用长句子

- 一般一个句子超过60个单词就可定义为长句子
- 简短的句子更能强调句子的含义, 句子越长读者越难判断句中哪部分最重要。

The trend that the pH values decreased significantly ($P < 0.05$) initially and then increased was observed for both raw and salted treatments during the 72 h storage at 3°C, **with** the initial value of 7.15 ± 0.05 and 7.20 ± 0.03 respectively, **which** were similar to salmon whose initial pH value was 7.1-7.2 reported by Bjørlykke et al. (2011), but higher than channel catfish 6.6 (Silva et al., 1993), and sea bream 6.12 (Goulas et al., 2004).

避免冗长和累赘

- Rheumatic fever is an autoimmune disease.
- It is generally accepted in the field of medicine that rheumatic fever is an autoimmune disease.
- 找出最重要的信息，然后省略掉不重要的。

<http://blog.sciencenet.cn/blog-38899-659190.html>

避免冗长和累赘

- 多余的词和短语是对其他的词和短语的过度修饰。
- 例： High pH values have been observed to occur in areas that have been determined to have few pine trees.
- 修改： High pH values occur in areas with few pine trees.

避免冗长和累赘

- 下列单词在文中毫无意义，可以并应该予以省略：
actually, basically, essentially, fairly, much, really, practically, quite, rather, several, very, virtually
- 下列括号中的词均属多余，应予省略: (already) existing, at (the)present(time), (basic) fundamentals, blue (in color), cold (temperature), (completely) eliminate, (currently) underway, each (individual), each and every [二选其一], (end) result, estimated (roughly) at, (final) out come, first (and foremost), (future) plans, (main) essentials, never (before), period (of time), reason is (because), (still) persists, (true) facts

重要的内容放在句首

Bring the main idea to the beginning of the sentence stating any **locations, reasons, time**, etc., afterwards.

- **Incorrect :** **Regardless of the nanoparticle size**, nano ZnO was more toxic than other nanomaterials.
- **Correct:** Nano ZnO was more toxic than other nanomaterials, **regardless of the nanoparticle size**.

Owing to, according to, based on, when.....

重要的内容放在句首

- **Incorrect :** Based on the triangulation structure built from unorganized points or a CAD model, the extended STL format is described in this section.4
- **Correct:** The extended STL format is described in this section based on the triangulation structure built from unorganized points or a CAD model.
- **Incorrect:** When U is taken as the control parameter, the BDs are shown in Fig. 8.
- **Correct:** Figure 8 shows the BDs when U is taken as the control parameter.

‘In this paper’, ‘in this study’勿滥用

在以下两种情况下使用：

- 在引言和结论部分，强调文章的内容
- 在文章其他部分参照作者未完成的工作，如在其他杂志文章或标准里。

阿拉伯数字的使用

1. 句首不要用阿拉伯数字
2. 描述一般量的信息不要用阿拉伯数字
 - **Incorrect** : 12 parameters were selected for the experiment.
 - **Correct** : Twelve parameters were selected for the experiment.
 - **Incorrect** : All 3 studies concluded that the mean temperature should be 30° C.
 - **Correct** : All three studies concluded that the mean temperature should be 30° C.

‘Figure’ and ‘Table’的使用

- **Incorrect :** Figure.6, Figure6, Fig.6, Tbl10
- **Correct:** Figure 6, Fig. 6, Table 10, Tbl. 10

This , these的用法

“**this, these**” 必须紧接着一个名词一起使用。
避免指代不明

改前：If a specimen is frozen in a bath containing dry ice and acetone, the water of the cell can be removed by sublimation to prevent damage to the cell. **This** is commonly used for preservation of cultures.

改后：If a specimen is frozen in a bath containing dry ice and acetone, the water of the cell can be removed by sublimation to prevent damage to the cell. **This technique** is commonly used for preservation of cultures.

避免名词堆砌

当名词一个紧接一个出现时，让人很难判断它们彼此间的关系，以及这一组词到底表达什么意思。

例：

cultured rat tracheal endothelial cells（小鼠气管内皮培养细胞）

正确表达：cultures of endothelial cells from the tracheas of rats

优先使用动词

- 动词会使文章充满活力与力量，相反，如果以名词表述动作，动词就会被埋没、削弱，句子则显得晦涩、冗长。
- 例 1: Their **suggestion** for us was a different analysis of the data.
- 修改: They **suggested** that we analyze the data differently.
- 例 2: An **increase** in temperature occurred.
- 修改: Temperature **increased**.

读者/编辑对英文句子的期望

- Readers expect **familiar information** at the beginning of a sentence
- 传递信息要**先旧后新**
- 每次开始写一句话的时候先问自己你所陈述的概念前文是否有解释。
- 修改前：Samples for 2-dimensional projection of kinetic trajectories are shown in Figure 7. **The coil states** are loosely gathered while the native states can form a black cluster with extreme high density in 2-dimensional projection plane.
- 修改后：Kinetic trajectories are projected onto xx and yy variables **in Figure 7. This figure** shows two populated **states. One** corresponds to the loosely gathered coil states while the other is the native state with a high density.

读者/编辑对英文句子的期望

- *Macular degeneration* is affected by *diet*. *One of the diet components* that influences the progression of macular degeneration is *vitamin B6*. Although *vitamin B6* seems to reduce the risk of macular degeneration, it may have some *side effects*.

读者/编辑对英文句子的期望

- Readers expect the action verb （行为动词） immediately after the subject （主语）
- 主语之后立马接行为动词，避免句子头重脚轻，理想的英文句子结构：短主语+紧接行为动词+长宾语。
- 改前：A freshness index called the global stability index (GSI) applicable to follow the variation of multi-quality indices of bighead carp (*Aristichthys nobilis*) heads during different temperatures storage was evaluated.
- 改后：we evaluated a freshness index called the global stability index (GSI) applicable to follow the variation of multi-quality indices of bighead carp (*Aristichthys nobilis*) heads during different temperatures storage

论文引用的几种写法

- 信息强调型（在Introduction使用较多）

Shrinking markets are also evident in other areas. The wool industry is experiencing difficulties related to falling demand worldwide since the development of high-quality synthetic fibres (Smith 2000).

- 被引作者强调型（在讨论部分使用较多）

(1) Shrinking markets are also evident in other areas. As Smith (2000) pointed out, the wool industry is experiencing difficulties related to falling demand worldwide since the development of high-quality synthetic fibres.

论文引用的几种写法

- (2) Shrinking markets are also evident in other areas. Smith (2000) argued that the wool industry was experiencing difficulties related to falling demand worldwide since the development of high-quality synthetic fibres. However, Jones et al. (2004) found that industry difficulties were more related to quality of supply than to demand issues. It is clear that considerable disagreement exists about the underlying sources of these problems.
- 该引用方法一般用在表示对被引内容持怀疑态度。

论文引用的几种写法

- 弱被引作者强调型（在Introduction使用较多）
- Several authors have reported that the wool industry is experiencing difficulties related to falling demand since the development of high-quality synthetic fibres (Smith 2000, Wilson 2003, Nguyen 2005). For example, Smith (2000) highlighted ...

Tips

- 不要在句首使用缩略词，如Fig.
- 不要写‘by this way’. 用 ‘**by doing this**’, or ‘**using this method**’ 代替
- 不要在句首写 ‘**How to...**’, 如How to find the optimal parameter is the main objective
- 尽量少用**obviously**, 用significantly代替
- 避免过多使用‘**that is to say**’ 和 ‘**namely**’.
- 不要在句尾写 “**too**”
- 数字和单位之间要有空格，不同单位之间也需要空格。如 **10mmolm⁻²s⁻¹** should be **10 mmol m⁻² s⁻¹**

结语

Write, rewrite, and rewrite again.
No one gets it right the first time.

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