## 逢甲大學【學術論文精進坊】

# 我的國際期刊投稿經驗分享

# 國立暨南國際大學電機系吳幼麟

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- ◎ 投稿國際期刊的重要性
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- ◎ 如何增加投稿被接受的機率?
- ◎ 投稿論文被 rejected 就代表Game Over了嗎?
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# 自我介紹

學歷:國立台灣大學電機工程博士 國立清華大學電機工程碩士 國立成功大學電機工程學士

 經歷:國立暨南國際大學 電機系副教授、教授 國立暨南國際大學 教務長、圖書館長、 計算機中心主任、系主任 力晶半導體薄膜工程部經理 新埔工專(聖約翰科技大學)電子科講師、 科主任

• 現職: 國立暨南國際大學 電機系特聘教授

# 國際期刊投稿經驗

- \* 從在台大念博士班開始
  - ⇒ 國際快捷
  - ⇒ 手工黏貼 Figures 或 表格
- \* SCI 國際期刊論文近60篇,其中 80% 以上 之手稿由自己撰寫
- \* 非多產,平均2~3篇/年
- \* 經驗分享(以英文 SCI 期刊為主)

# 投稿國際期刊的重要性

- 1. 在國際期刊發表論文有那麼重要嗎?
  - ⇒身不由己(申請計畫、升等)
  - ⇒ Let your research be known (國際 化)
- 2. 在國際期刊 (IF>1)發表論文困難嗎?
  - ⇒ particularly for Chinese scholar
  - $\Rightarrow$  low acceptance rate (< 25%)
  - ⇒ 挑剔的 reviewers
  - ⇒ long review time

# 早期/現在 投稿差別

## • 早期:

- ⇒ 有 Word Processor 但無好的繪圖軟體
- ⇒ 無 online submission system
- ⇒ 以紙本(3~4 份拷貝)透過郵局國際快截寄送
- ⇒ 無 English Editing Service
- ⇒ Word Processor 無法做修訂追蹤(以紅筆直接在 original manuscript 上修訂
- ⇒ 無需推薦 reviewers
- ⇒ 費時 (??)

## • 現在:

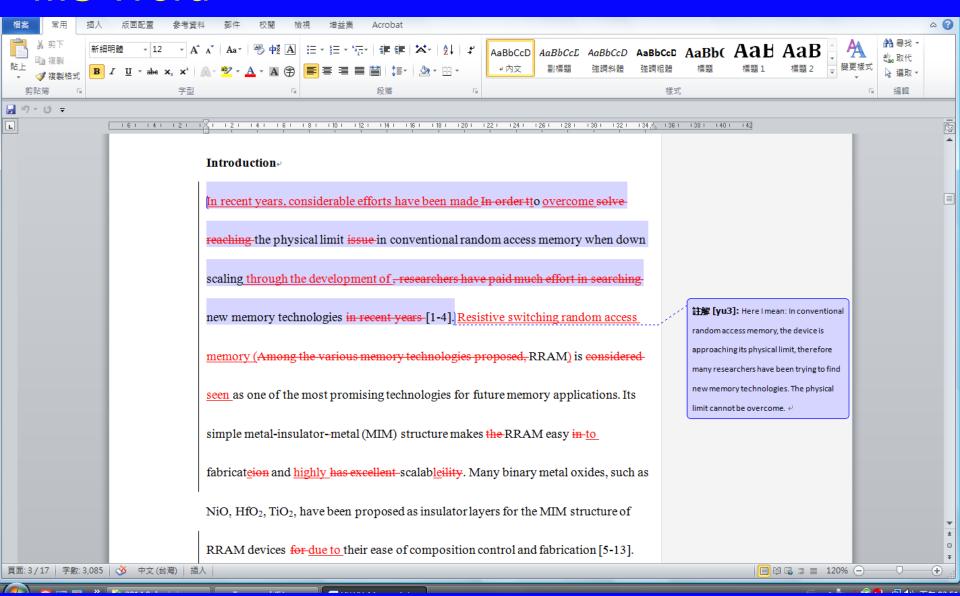
- ⇒ MS Word, LaTex, 好的繪圖軟體/拼音文法檢查/修訂 追蹤
- ⇒ online submission system
- ⇒ English Editing Service
- ⇒ 需推薦 reviewers

# 國際快捷

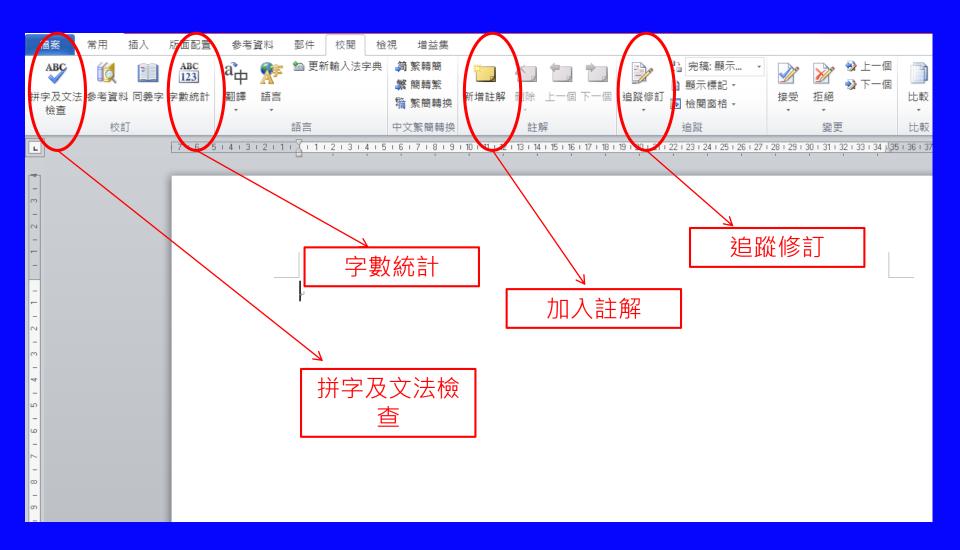


Word Processor: MS Word

## **MS** Word



# MS Word



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- ⇒日後以此登入系統
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# 投稿前萬全的準備可節省時間

## ※ 投稿前應準備好下列資料:

- ⇒ Cover letter
- ⇒稿件 (Figures、Tables、Abstract 與本文分開,個別 Figures、Tables 的檔案)
- ⇒ Keywords
- ⇒所有作者的姓名、Institution 及 e-mail address (特別注意合著者)
- ⇒ 推薦的 Reviewers/Oppose Reviewers 的姓名、title, Institution及 e-mail address
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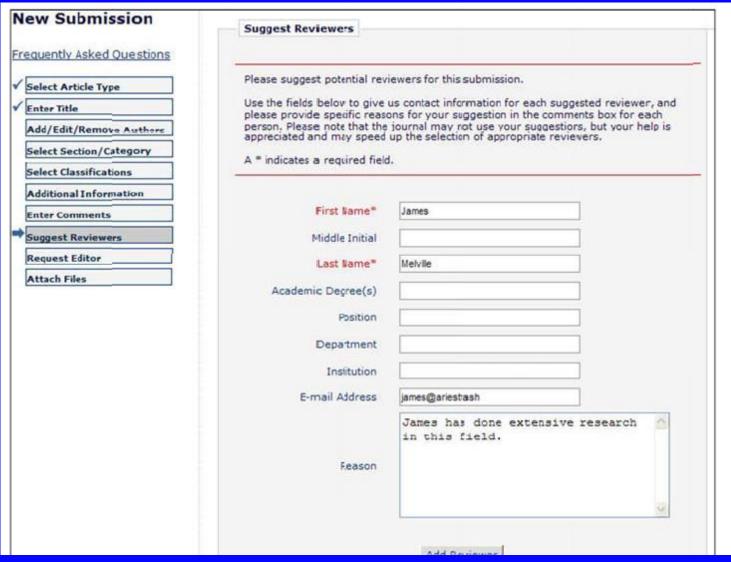


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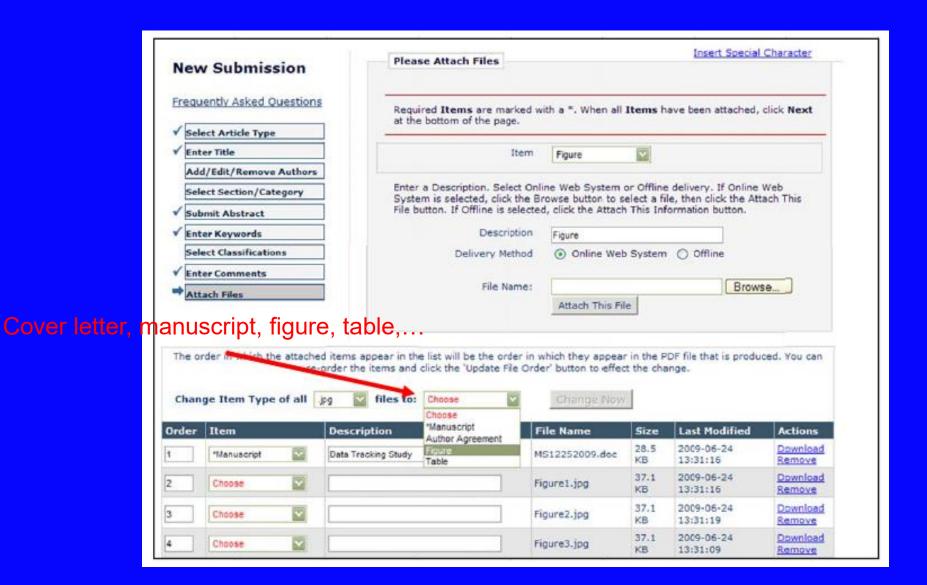
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## AUTHOR MAIN MENU



# 期刊選擇

# 期刊選擇

- ⇒1. 自己所孰悉的期刊(常閱讀、同儕推薦)
  - 2. 查詢 "SOURCE PUBLICATION LIST FOR WEB OF SCIENCE" (renew every 2 years by Thomson Reuters)
  - 3. 進 JCR Web of Science 查詢

\*以 SCI 期刊為例,2015為止共有8600多種 SCI 期刊,其中台灣出版的有33種 (包含3種期刊非一定以英文發表)



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AAPGBULLETIN	AMER ASSOC PETROLEUM GEOLOGIST	0149-1423	1550-9153	UNITED STATES	English
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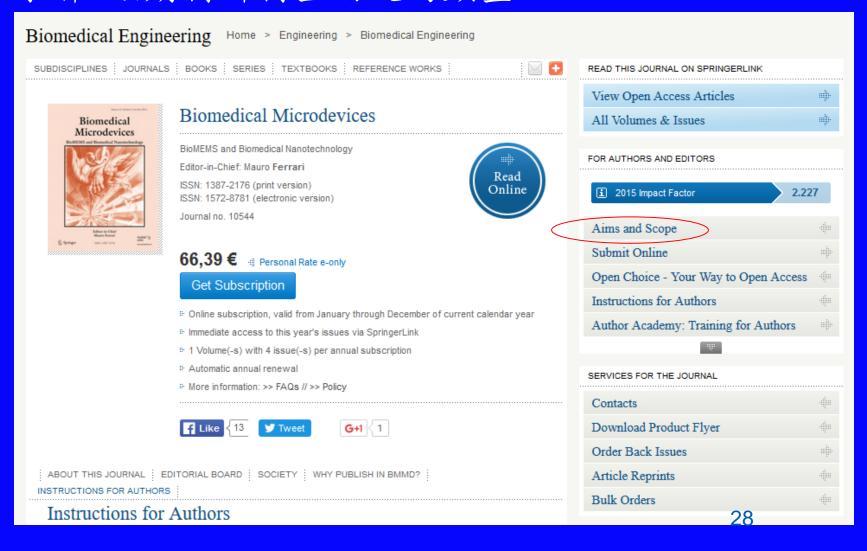
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2012	162/243	Q3	33.539	171/241	Q3	29.253
2011	174/245	Q3	29.184	175/232	Q4	24.784
2010	190/247	Q4	23.279	181/225	Q4	19.778
2009	164/246	Q3	33.537	159/214	Q3	25.935
2008	171/229	Q3	25.546	156/192	Q4	19.010
2007	135/227	Q3	40.749	130/190	Q3	31.842
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**Abstract** 

- 1. Introduction
- 2. Literature Review
- 3. Research Question
- 4. Methods
- 5. Results
- 6. Discussion
- 7. Conclusion

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**Appendix** 

## Science and Tech (regular)

Science and Tech (letter)

#### Title

**Abstract** 

- 1. Introduction
- 2. Material and Method (Experimental)
- 3. Results and Discussion
- 4. Conclusion
  Acknowledgement
  References

## Title

**Abstract** 

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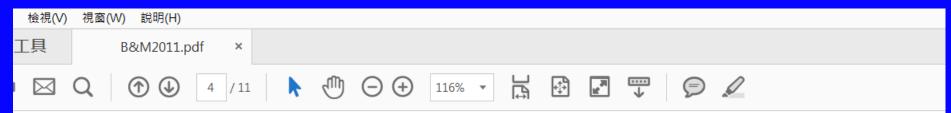
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The determination of DNA sequences has long been a topic of intensive research in biotechnology and medical diagnostics because the genetic information carried by an organism is inscribed in its DNA. In addition, the measurement of DNA conductivity, hybridization, and melting by electronic means has drawn a great deal of attention in recent years due to its possible applications in molecular electronics. 1-3 A DNA sequence is typically determined by using radiochemical, enzymatic, and fluorescent techniques, 4,5 in which labels or reagents are added into the molecules that are being tested and detected. These techniques are usually time-consuming, expensive, and complicated to implement. Therefore, label-free DNA detection methods such as cyclic voltammetry and chronopotentiometry were developed. 6-9 However, these label-free methods are of wet type, where the sensor has to be immersed in the solution being tested, and hence the selectivity as well as the detection limit of the sensor is influenced by the thermal drift of the electrolyte solution. 10-12

As a result of the rapid progress in semiconductor fabrication technologies, many semiconductor/nanodevices and measurement tools have been developed either to measure the electrical properties of DNA or to detect DNA. <sup>13-19</sup> For example, Storm and his coworkers used nanogap junctions to measure the electrical resistance of hybridized and denatured DNA molecules. <sup>13</sup> Zwolak and Di Ventra used nanopores to observe the different chemical structures of the four different bases of DNA and proved that each of the four bases of DNA carries a unique electronic and chemical structure. <sup>14</sup> This result was later confirmed by Xu and his co-workers by mea-

for the detection of label-free DNAs in the literature, <sup>19,20</sup> they were used only to detect single-strained (ss) homopolymers. In the present work, instead of using SiNW, we chose a polysilicon (poly-Si) wire fabricated by E-beam lithography to characterize the sequence of label-free DNAs. The poly-Si wire is not only easily fabricated on Si wafer using conventional semiconductor processing technology, but is also less expensive and can be manufactured without losing much sensitivity. 24-26 Although E-beam lithography is also expensive, the poly-Si wire sensor provides additional advantages such that mass production with high yield can be achieved and the cost is cut down when compared with the aforementioned SPM technique. In the present study, we measured the current flowing through the poly-Si wire channel rather than time-dependent conductance, as was done in Ref. 19 and 20. More importantly, the poly-Si wire sensor is a dry-type one, which means that it does not have to be immersed in the solution being tested, and no referenced electrode is needed during the measurement. The absolute value of the amount of current change  $\Delta I$  before and after dropping the DNA solution being tested [i.e.,  $\Delta I = |I(after dropping) - I(before dropping)|]$  on the poly-Si wire surface is different for each ss homopolymer and each double-stranded (ds) heteropolymer with sequence. This indicates that each ss homopolymer and each ds heteropolymer has its own characteristic  $\Delta I$ . This study also proves that the poly-Si wire can be used to detect single- and multiple-base changes in ss homopolymer as well as single- and multiple-matched-pair changes in ds heteropolymers.

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these techniques, however, adding fluorescent conjugates may alter the original cellular functions of the cells (Fujita and Smith 2008) making real-time monitoring of different biophysical properties of a single cell difficult to achieve because different fluorescent conjugates have to be added simultaneously, and because multicolor fluorescence microscopy has to be used (Sims and Allbritton, 2007).

The advent of nanofabrication has made it possible to propose nanoparticles, carbon nanotubes and nanowires for biomedical research and analysis (Roco 2003) (Andersson and van den Berg 2004) (Patolsky et al. 2006) (Karni et al. 2009) (Baumann et al. 1999) (Pui et al. 2009). Silicon nanowire (SiNW) field-effect transistors have been used to detect the neuronal signal of a single neuron cell and a single muscle cell (Patolsky et al. 2006) (Karni et al. 2009). The high sensitivity of SiNW field-effect transistors is very attractive, but the alignment difficulty and the low yield of fabrication make that the SiNW is still not very popular for cell detection. At the same time, detecting cells or rat cardiomyocytes confined in a sensing area has also been

(Cardone et al. 2005). It has been proven that, compared to normal tissue, tumors require a high level of glucose so as to consistently acidify their environment in order to support the metabolism, resulting in a lower extracellular pH value. Since a PSW sensor has been proven to be able to detect the H<sup>+</sup> ion density (pH value) of the medium coated on the PSW surface (Hsu et al. 2009) (Wu et al. 2011) and different cells produce different extracellular acidification and hence different H<sup>+</sup> ion densities (Baumann et al. 1999) (Schäfer et al. 2009) (Sommerhage et al. 2010), it is therefore expected that any change in the extracellular microenvironment of the single cell confined in the isolation window residing on the PSW will alter the surface-charge state of the PSW and can therefore be detected by the change in the current flowing through the PSW channel. In this paper, we report for the first time the differences in extracellular cell property between normal cells and cancer cells by using a PSW in combination with an isolation window.

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#### 1. Introduction

The ability of cells to adhere to the substrate onto which they were cultured depends not only on the characteristics of the cell but also on their cultivation conditions. The adhesion ability of cells to the substrate also play a critical role in many of the fundamental cell-involvement processes such as embryonic morphogenesis, angiogenesis, inflammation and wound healing [1-3]. Consequently, cell-substrate interaction has raised the interests of many researchers [4-6] whose works have taught us additional facts about cell properties, such as traction force, migration, and even the metastasis ability [7-9]. Cell-substrate interaction has been recognized as an indication that cells will generate a local force via so-called cell-extracellular matrix (ECM) interactions. It also has been confirmed that it is the traction force caused by actin polymerization at the cell's leading membrane edge that transmits the contractility force to the ECM via the primary mediators' focal adhesion protein integrins [10–12]. In addition, reports have shown that not only the cell's leading membrane edge but also its central region plays an important role in cell-substrate interaction [5,13]. The literature shows that many researchers used fibronectin (FN) for the study of cell-substrate interaction [10,12,14] since FN can

bond with integrins to form the traction force at the cell's leading membrane edge after actin polymerization. Since actin exists in both the cancer cells and in normal cells, it is difficult to differentiate the cell–substrate interaction of cancer cells from that of normal cells using FN [15]. Therefore, challenges remain in the application of FN to cell–substrate interaction and further research is needed.

Optical techniques such as interference reflection microscopy (IRM) [16–18] and fluorescent microscopy (FM) [4–6] [9] were developed for cell–substrate interaction measurements. However, several issues still remain to be resolved in these optical techniques. For example, multiple spurious reflections and poor contrast can affect the result of IRM, and the addition of fluorescent conjugates in the FM method can possibly affect the original property of the living cells due to the molecular effect [19]. At the same time, a label-free characterization technique has been reported in which living cells are cultured on wrinkled or elastic micropillar substrates and the traction force of the cells are determined from the substrate deformation with the help of optical microscopy [14] [20,21]. More recently, a similar technique using silicon nanowire has been proposed to quantify the difference in traction force between normal cells and cancer cells by determining the deformation of a silicon

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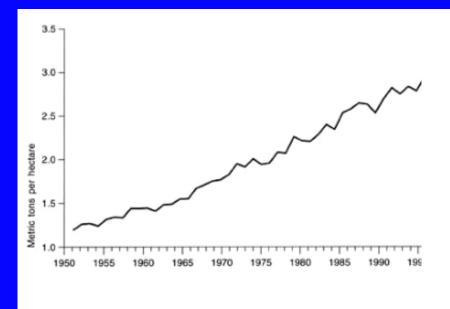


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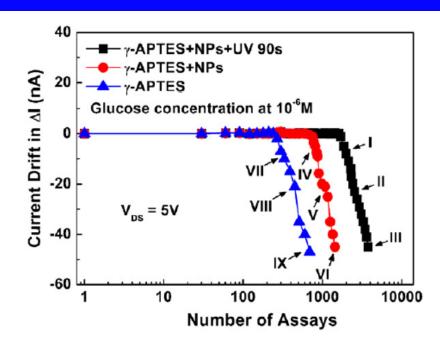


Fig. 5. Current drift in  $\Delta I$  of the PSW coated with different membranes as a function of the number of assays. Points I, IV, VII represent a 10% degradation, points II, V, VIII represent a 20% degradation, and points III, VI, IX represent a 30% degradation of their original values of the current drift in  $\Delta I$ .

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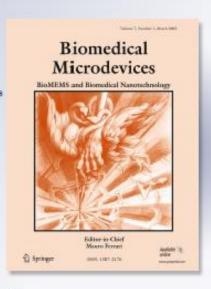
Detecting the effect of targeted anti-cancer medicines on single cancer cells using a poly-silicon wire ion sensor integrated with a confined sensitive window

You-Lin Wu, Po-Yen Hsu, Chung-Ping Hsu & Jing-Jenn Lin

Biomedical Microdevices BioMEMS and Biomedical Nanotechnology

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## Heading

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Running head: Improvisation, divergent thinking, creativity and education

children's cognitive abilities (Boyes & Reid, 2005; Catterrall, Chaplow & Iwanaga, 1999; Dunbar, 2004; Hassler, 1992; Keinanen, Hetland & Winner, 2000; Schellenberg, 2001; Smithrim & Upitis, 2005; Vaughn, 2000) as well as their creative achievement (Minton, 2002). However, it remains a matter of debate to what extent the beneficial effects of creative arts activities on cognitive skills are domain (music, drama, visual arts etc; e.g. Koutsoupidou and Hargreaves, 2009) and modality specific (e.g. spatial, verbal, visual etc.; Jaschke, Eggermont, Honing & Scherder, 2013; Jonides, 2008; Minton, 2002; Lewis & Lovatt, 2013; Winner & Cooper, 2000) with a call for stronger experimental studies in the area. Overall, despite the emphasis of current educational policy on acquiring knowledge, there is substantial evidence that there are potential gains to be made from creative arts and cultural activities in education and there is a need to further evaluate the extent to which they

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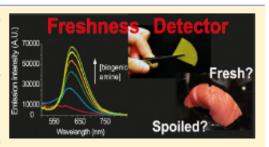
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#### Design and Synthesis of Heterobimetallic Ru(II)—Ln(III) Complexes as Chemodosimetric Ensembles for the Detection of Biogenic Amine Odorants

Cheuk-Fai Chow,\*\* 7,2 Michael H. W. Lam, 8 and Wai-Yeung Wong

3 Supporting Information

ABSTRACT: The detection of neutral biogenic amines plays a crucial role in food safety. Three new heterobimetallic Ru(11)–Ln(III) donor-acceptor complexes, KPrRu, KNdRu, and KSmRu,  $K\{[Ru^{(1)}(^1Bubpy)(CN)_4]_2$ – $Ln^{(III)}(H_2O)_4\}$  (where 'Bubpy = 4,4'- $\dot{\alpha}$ -tert-butyl-2,2'-bipyridine), have been synthesized and characterized. Their photophysical and X-ray crystallographic data were reported in this study. These complexes were found to be selective for biogenic amine vapors, such as histamine, putrescine, and spermidine, with a detection limit down to the ppb level. The sensitivities of these complexes to the amines were recorded as  $\sim \log K = 3.6-5.0$ . Submicron rods of the complexes, with a nanoscale diameter



and microscale length, were obtained through a simple precipitation process. Free-standing polymeric films with different degrees of porosity were fabricated by blending the submicron rods with polystyrene polymer. The polymer with the highest level of porosity exhibited the strongest luminescence enhancement after amine exposure. Real time monitoring of gaseous biogenic amines was applied to real fish samples (Atlantic mackerel) by studying the spectrofluorimetric responses of the Ru(II)—Lu(III) blended polymer film.

Volatile biogenic amines are well-known biomarkers of seafood freshness.<sup>1-4</sup> The link between the levels of biogenic amines with respect to the number of bacteria in fish and shrimp and other shelled species has been demonstrated.<sup>2a-d</sup> Histamine, which has been identified as a neurotransmitter,<sup>2a-f</sup> is the causative agent of scombroid poisoning, a foodborne chemical hazard.<sup>2g-t</sup> An intake of 8-40 ppm of situ detection of important biogenic amines and reporting of the signal in a naked-eyed manner. Supramolecular dosimeters or sensors based on a variety of compartments, such as organic dyes, 6 coordination complexes, 7 hydrogels, 8 polymers, 9 nanoparticles, 10 and arrays, 11 have been reported for amine detection.

Chemodosimeters are molecular devices that interact with

A Graphical Abstract is a single, concise, pictorial and visual summary of the main findings of the article.

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如何增加投稿被接受的機率?

## 1. 必需是好的文章

#### 什麼是好文章?

- a. 之前沒有人討論過的/發現新的事物
- b. 之前無人能解的問題
- c. 探討重要的問題
- d. 以合於邏輯且嚴謹的方式表達出來
- e. 前後一致(可以自圓其說)
- f. 沒有造假、剽竊、抄襲
- g. 正確而充分的引用文獻
- h. Abstract 及 Introduction 能充分表達文章的 主旨、動機及重要性
- i. readable

# A good paper also means that it is written in good English.

- a. 沒有文法及拼字上的錯誤
- b. 不是由中文直接翻譯
- C. 使用正確的字及時態
- d. 正確的文章格式
- ⇒ Good English editing is a must.
- ⇒圖書館的電子資料庫
- ⇒ 多利用 Google scholar

#### 2. 選擇正確的期刊投稿

- ⇒Understand the scope & aims. 投稿文章 的主題合於期刊的scope & aims.
- ⇒ Fit all the requirements of the journal that you are going to submit to
- ⇒ Check the IF and JR if they are what you care about
- ⇒ No double submission
- 3. 隨時準備好次一備胎投稿期刊以防被退稿

# 4. Be cautious when list suggest reviewers

- ⇒好的 reviewers 可以提升被接受率
- ⇒ Do not list harsh reviewers
- ⇒Some one you are acquainted with is good (但不能造假)
- ⇒應與你投稿論文相關領域
- ⇒No fraud (陳震遠事件)

#### 自由電子報 陳震遠論文案// 蔣偉寧共同掛名 學界促停職













2014-07-12

〔記者林曉雲、吳柏軒、蔡清華、鍾麗華/綜合等 烈,昨天更傳出教育部長蔣偉寧的五篇論文也遭打 接受調查。



★ 第 4 395 公宝

時間	事件	原因
2017.04	Springer撤回107篇 中國作者學術論文	同行評審 造假
2015.10	愛思唯爾撤銷9篇中 國作者論文	同行評審 造假
2015.08	Springer撤回64篇中 國作者論文	同行評審 造假
2015.03	英國現代生物出版集 團撤回43篇論文,其 中41篇來自中國	同行評審 造假
中時電子報	資料來源:整理網路 集	表:簡立欣

近年大陸論文遭撤稿 事件簿

## 5. 小心回答所有reviewers 的問題及建議

- ⇒盡可能的依照reviewers的建議修改論文, 但不要違背本來所要表達的意思
- ⇒盡可能的不要與reviewers及editors爭論
- ⇒在答辩中reviewers或editors提及的每一 個問題或建議都要回答
- ⇒並非所有的reviewers 都是非常專業的,如果你不同意reviewers的意見,你可以從專業上去婉轉說明 (千萬不要嘲諷或挖苦)

## 投稿論文被 rejected 就代表 Game Over了嗎?

## Rejection 代表就結束了嗎

- ⇒ Rejection ≠ 結束
- ⇒ Rejection ≠ 論文不好
- ⇒ Rejection ≠ 沒面子
- ⇒ Rejection ≠ 歧視
- ⇒ Try the next-tier journal or even next next-tier journal
- ⇒ Never argue with editor ≠ You cannot complain (If you have sufficient reason(s))

#### Complain Letter

#### Dear Editor.

- I regret to learn that our paper (BIOS-D-10-01329R1) was rejected by you based on the comments of reviewer #3. Although I know there is little chance to change your decision, I still have to complain about the following things:..
- In the first paragraph of reviewer#3's first comment, he wrote "It is interesting. this work that show excellent ability to eliminate interference, ultra low detection limit down to 32 pM and the sensor can be reused upto 1617 times without much sensitivity degradation. However, lacked of the Knowledges/understanding on the explanation of what happened on the machanism. But I think should give them the opportunity to major revise," which gave us a wrong impression that the reviewer #3 were really interested in our paper. It is really astonishing for us to see the reviewer #3's new comment which said that "The authors have answered almost the questions that asked but this work most of the novel has published to "Sensors and Actuators B 142 (2009). 273-279." as the title: "Ultra-sensitive polysilicon wire glucose sensor using using 3-aminopropyltriethoxysilane and polydimethylsiloxane-treated hydrophobic fumed silica nanopar5ticle mixture as the sensing membrane" even some 4 figure. The only additional are the test of interferences, stability and reproducibility which normally must do for the sensor." We think that the reviewer#3 should have mentioned this in his first comment. It is rarely to see a reviewer gave two totally contradictory comments. This is not a way a good reviewer (a qualified reviewer) should have done. ...
- 2. As you may already knew, the English of reviwer #3 is very poor. This makes us has strong helief that the reviewer#3 has serious English reading comprehension

- 3. We are not sure if the reviewer #3 has really read our previous paper published in Sensors and Actuators B 142 (2009), pp. 273-279 or not. In which, we did do the interference, the stability, and the reproducibility tests, but not as extensive study as we did in the present paper. In this paper, we discussed the interference
  - immune ability of the PSW glucose sensor, up to five different interferences were tested. In particular, the excellent ability against the interferences has never been reported in the literature. We strongly believe that these results will interest your

#### readers.

comment. ..

We are considering now to summit this manuscript to other journal. However, we would like to ask if you can reconsider our paper for publication in your journal.

Your prompt reply will be highly appreciated! ...

Best Regards. ...

- 如果評審意見不合理 ⇒ 如果評審英文不好
- ⇒ 如果評審意見不專業 ⇒ 如果評審意見前後不一致

## 結論

#### 結論

- ⇒ 充分的準備以及一定要找好的英文編修
- ⇒不要怕被rejected,總是會有 next-tier journal。 Reviewers基本上大都是專家,可從reviewers的意 見中學習自己文章的弱點。
- ⇒ 專心、細心和耐心 撰寫稿件要專心 數據準備要細心 投稿上線要耐心
- ⇒ 答辯時盡可能迎合 reviewer的意見,但不能違背 自己的本意
- ⇒必要時,可以向 editor 抱怨

# 謝謝聆聽!