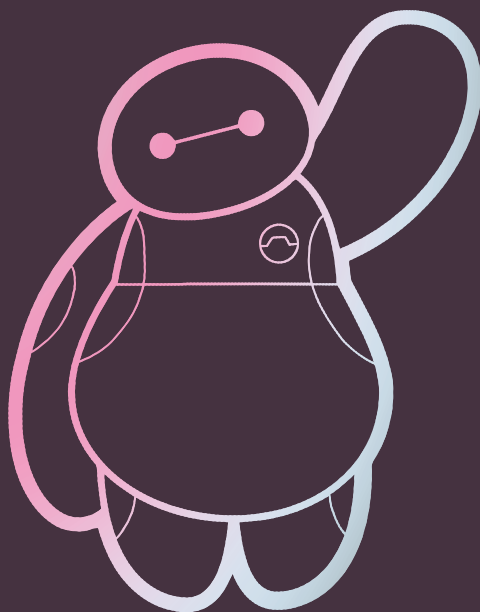


# SCI 写作句型

— 合集 (2020-2021) —



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## § 第一期

## 1. is preferred 优先考虑 〈引言, 正文〉

比如用于方案、参数、指标的讨论。

- This technique gives much more granular control and **is preferred** when feasible. 这项技术提供了更细粒度的控制，是可行情况下的首选方法。
- Related working experience in semiconductor product analysis and characterization **is preferred**. 有半导体产品分析和特性的相关工作经验优先。

比如用来描述某研究已经被证实是（什么样的）。

## 2. proved to be 事实证明 〈引言〉

- His assumption **proved to be** wrong. 他的设想证明是错误的。
- The new method has finally **proved to be** a success. 新方法到底试验成功了。

★比如描述研究内容所带来的积极影响，常用作最后一句。

## 3. open (up) the possibility of 开启了 〈摘要, 引言, 总结〉

- This new research **opens up the possibility of** an optical implant that could do the same thing, using light instead of electricity. 这项新的研究为利用光信号代替电信号，通过视觉路径刺激以达到同样目的带来希望。
- It also **opens the possibility of** imaging the surface with higher resolution, and detecting the orientations of surface molecules. 它还具有高分辨率表面成像和探测表面分子取向的潜力。

★比如，引言中对别人的研究进行举例；正文或总结中，对实验结果进行分析。

## 4. has revealed that 透露, 揭示 〈引言, 正文, 总结〉

- A research **has revealed that** breakfast is the most important meal in day. 研究发现早餐是一天里最重要的一餐。
- Research **has revealed that** women perform poorly in tasks involving navigation and spatial awareness when compared to men. 研究显示，女性在寻路和空间感知方面的表现要比男性差。

比如，实验结果讨论时，涉及到某一点被他人证实的结论。

## 5. has been confirmed by 已被证实/证明 〈正文, 总结〉

- This conclusion **has been confirmed by** UV, CD and fluorescence spectra. 这一结论已经得到了紫外光谱（UV），圆二色光谱（CD）和荧光光谱的证实。
- The truth of all this **has been confirmed by** the events of the past eighteen years. 所有这些，都是在过去十八年的历史中证明了的。

研究结果分析和讨论时常用。

## 6. be taken into account 被考虑在内 〈正文〉

- Your objections will **be taken into account**. 你们的反对意见会得到考虑。
- Seasonal variations need to **be taken into account**. 需要考虑到季节性变化。

研究结果分析时常用。

7. verify 验证 〈正文，总结〉\_\_\_\_\_

- Simulation experiments are used to **verify** the validity of Aegis. 通过仿真实验，验证了 Aegis 的有效性。

★高频词汇；可以用 greatly、significantly 等词汇替换。

8. considerably 相当地 〈摘要，引言，正文，总结〉\_\_\_\_\_

- The incidence of this disease has dropped **considerably** in the past few years. 近几年这种病的发病率大大降低了。
- Over the last few years tourism here has developed **considerably**. 在过去几年里，这里的旅游业获得了相当大的发展。

比如介绍本文所做的一些工作。

9. have been performed 已经开展/完成 〈摘要，引言，正文，总结〉\_\_\_\_\_

- No tests **have been performed on** humans, however. 不过，目前为止还没有对人体进行过试验。
- Thus, many researches **have been performed** on ferromanganese slag for recycling. 对锰铁合金渣进行处理，变废为宝，已经成为重要的研究课题。

比如介绍本文所做的一些工作。

10. investigated by 采用... 研究 〈摘要，引言〉\_\_\_\_\_

- In this paper, the performance of the mist eliminator was **investigated by** numerical simulation and experiment. 本文用数值模拟和模拟实验的两种方法研究了这种除沫器的除沫性能。
- Cold fusion has been **investigated by** the electrolytical method and the deuterium absorption method. 采用电解法和氘气吸附法研究了冷聚变现象。



SCI写作句型



比如用于实验结果分析，表示某种结果

### 1. give rise to... 造成，引起 〈正文〉

- Too much time staring at electronic screens has **given rise to** another problem: computer-vision syndrome. 长时间盯着电子屏幕看也引发了另一个问题：电脑视觉综合症。
- Recent progress in the development of communication systems has **given rise to** the further evolution of SAW devices which are often utilized as the key elements in such systems. 通信系统开发中的最新进展引起了 SAW 设备的进一步发展，这些设备通常被用作此类系统中的关键要素。

★常用于实验结果的分析 and 讨论，比如某个因素的影响几乎可以忽略不计。

### 2. negligible 微不足道的；可以忽略的；不重要的；不值一提的 〈正文〉

- There is a **negligible** difference in meaning between these two words. 这两个词之间在意思上差别是极小的。他的设想证明是错误的。
- The wind was so light that it had only a **negligible** effect on the outside temperature. 风这么弱，对外面的温度起不了多大的作用。新方法到底试验成功了。

比如，可用于研究背景介绍、综述论文中。

### 3. Recent progress in the development of... 近期关于... 的研究进展 〈引言〉

- This review summarizes the way of developing new drugs for AIDS, as well as the **recent progress in the development of** Chinese materia medica and natural drugs for AIDS and HIV. 简要介绍了抗艾滋病新药的开发研究途径及近年来国内外对抗艾滋病或爱滋病毒有效的中药及天然药研究结果。
- **Recent progress in the development of** communication systems has given rise to the further evolution of SAW devices which are often utilized as the key elements in such systems. 通信系统开发中的最新进展引起了 SAW 设备的进一步发展，这些设备通常被用作此类系统中的关键要素。

常用于研究背景介绍。

### 4. great progress has been made in 在... 方面取得重要进展 〈引言〉

- In recent years, **great progress has been made in** utilizing this energy. In this paper, the principles, development status quo and tendency of ocean thermal energy conversion (OTEC), wave and tidal current power generation in the world are described briefly. 最近几年，世界各国积极开发这种新能源并取得很大的进展，在此，简要介绍了当今世界海洋温差发电、波浪发电和潮汐潮流发电的原理，开发现状和发展趋势。

### 5. sth is presented and demonstrates that... … (结果) 被呈现，并证明... 〈摘要，引言，总结〉

比如，对研究内容及其意义的介绍。

- The frequency response of a SAW device fabricated on the optimal cut of langasite **is presented and demonstrates that** high performance SAW filters can be realized on this optimal cut of langasite. 介绍了基于最佳切向 LGS 上的声表面波器件的频率响应，并证明了可以在该最佳切向 LGS 上制备高性能的声表面波滤波器。

★常用于研究结果描述、分析或讨论。

6. in excellent agreement with **非常符合** 〈摘要，正文，总结〉\_\_\_\_\_

- The theoretical results are **in excellent agreement with** experimental data. 理论结果与实验数据具有理想的一致性。你们的反对意见会得到考虑。
- The experimental results are **in excellent agreement with** the calculated SAW characteristics. 实验结果与所计算的声表面波特性非常吻合。

7. be implemented as **实现为** 〈正文〉\_\_\_\_\_

某物用作...

- The performance specifications required of these SAW devices can not always be realized if only the three customary crystalline materials **are implemented as** substrates. 如果仅将三种常用的晶体材料用作衬底，就无法始终实现这些 SAW 器件所需的性能规格。
- In Linux, plugins and dlls **are implemented as** dynamic libraries. 在 Linux 中，插件和 dll 以动态库形式实现。

★比如突出研究的意义所在，或选题的意义。

8. there is a strong need for **强烈需要** 〈摘要，引言，正文〉\_\_\_\_\_

- Therefore, **there is a strong need for** new piezoelectric materials which can enhance the performance capabilities of SAW devices. 因此，强烈需要能够增强 SAW 器件性能的新型压电材料。
- There is a strong need for **considerably** a formal glossary of accepted terms, which would be the product of a business analysis activity. 这就非常需要有一个正式的术语词汇表，可以通过业务分析活动得到这个词汇表。

比如通过某种技术手段，实现了性能的提升。

9. enhance the performance **提升性能** 〈摘要，引言，正文，总结〉\_\_\_\_\_

- We also propose to use a hybrid version of PSO embedding a local optimizer to **enhance the performance**. 我们也建议使用混合动力版本的粒子群优化嵌入局部优化，以提高其性能。

掌握 sufficiently 这个词汇。

10. sufficiently high **足够高** 〈引言，正文〉\_\_\_\_\_

- At **sufficiently high** temperature and low pressure this ratio approaches the value R for an ideal gas. 在足够高的温度和足够低的压力下，这个比值趋于理想气体的 r 值。

- The substrate must also have a sufficiently high acoustic Q so that the SAW attenuation is acceptably low at high frequencies. 基板还必须具有足够高的 Q 值，以使 SAW 衰减在高频下可接受地低。



SCI写作句型



★比如描述研究成果为... 带来指导作用。

1. provides useful guidance for 提供有用的指导 〈摘要, 引言, 总结〉

- It also provides useful guidance for the subsequent experimental parameter optimization and actual operation control. 研究结果为后续的热解实验参数优化和实际运行控制提供了有用的指导。
- This study not only offers a strategy to greatly enhance the output performance of TENG networks in water wave energy harvesting, but also provides useful guidance for constructing maritime communication platform based on blue energy. 该研究不仅为提高 TENG 网络在水波能量收集中的输出性能提供了一种策略, 而且为构建基于蓝色能源的海上通信平台提供了有益的指导。

可用于突出研究的创新性和对现有技术的影响。

2. provided a new route toward 提供了通往... 的新途径 〈摘要, 引言, 总结〉

- Triboelectric nanogenerator proposed by Wang in 2012 has provided a new route toward developing ocean energy. 王中林在 2012 年提出的摩擦电纳米发电机为开发海洋能提供了一条新途径。

★可用于描述研究的积极意义, 也常用在毕业论文的摘要中。

3. provide strategies for 提供策略 〈摘要, 引言, 总结〉

- The study of clinical application of interferon-beta (IFN- $\beta$ ) to EAN may provide novel strategies for the treatment of GBS. 将干扰素  $\beta$  用于 EAN 的治疗或许可为 GBS 提供新的治疗策略。
- Revealing the protective effect and mechanism of oxymatrine on the heart and lung tissues in rats with septic shock. Therefore to provide reliable strategies for researching the pharmacologic action, clinical application to this praeparatum and the prevention and therapy of septic shock in the clinic. 揭示 OMT 对感染性休克大鼠心、肺功能的保护作用及其机制, 为临床上感染性休克的防治及 OMT 药理作用的研究与临床应用提供基础实验依据。

★比如, 可用于性能的对比, 以及本研究与以往研究的对比。exhibit 可换作 show。

4. exhibit advantages 显现出... 优势 〈引言, 正文, 总结〉

- Compared with other loss-of-function studying methods such as gene knockout, antisense technologies exhibit advantages such as low cost, short period, and easy operation etc. 与基因敲除等功能缺失性研究方法相比, 反义技术具有投入少, 周期短, 操作简单等优点, 因此受到了广泛的关注。
- Independent schools exhibit marked advantages over municipal schools, they increase school choices and promote sector-wide dynamism in Swedish school system. 事实证明, 瑞典独立学校在学校数量和学生规模上增长极快, 相对于市立学校而言, 具有比较明显的优势。



5. have attracted a wide range of attention 引起广泛的关注 〈摘要, 引言〉

- Potential dynamics of agricultural crop sown area **has attracted a wide range of attention** from numerous researchers due to its ecological and socioeconomic implications. 农作物播种面积动态变化因其重要性已经引起了国内外学者的广泛关注。
- They **have attracted a wide range of attention** in many fields including the exploitation of ocean wave energy 它们在许多领域都引起了广泛的关注, 包括海浪能量的开采。

★可用于描述某研究在学术界是一个热点, 或具有研究价值。a wide range of 可替换为 tremendous

6. previous researches have been focused on 以往的研究主要集中在... 〈引言〉

- However, **the previous researches** on the subjective well-being **have been focused on** the dimension of the overall subjective well-being, few researchers regard subjective well-being as a multi-level dynamic system which is spreading along with the development of life. 仅仅是从总体上看待主观幸福感, 较少将主观幸福感看作随生命发展而不断展开的多层次、多水平的动态系统。
- In order to improve the output performance of TENGs, **previous researches have been focused on** rational structural design, materials selection, surface modification, and so on. 为了提高 TENG 的输出性能, 以前的研究集中在合理的结构设计, 材料选择, 表面改性等方面。

★可用于突出本研究的新颖性。

7. be of important research significance 具有重要的研究意义 〈引言〉

- Therefore, it **is of important research significance** to devise reasonable charge excitation circuit system and combine it with TENGs for harvesting water wave energy more efficiently. 因此, 设计合理的电荷激励电路系统并将其与 TENGs 相结合以更有效地收集水波能量具有重要的研究意义。

★可用于介绍研究意义。

8. elaborate 详细阐述 〈摘要, 引言, 总结〉

- This article **elaborated** the basic principle of the wind power generation and made an outlook for the new technology. 文章讲述了风力发电的基本原理, 并对风力发电的新技术进行了展望。
- Dynamic programming and its appliance have been **elaborated** in this article. 本文详细的阐述了动态规划及其应用的一些重要问题。

★通常可与 studied、investigated、discussed、introduced 等词互换。

9. meet the demands of 满足需要 〈引言〉

- So as to **meet the demands of** local social and economic development. 以适应地方社会经济发展的需要。
- We will transform our schools and colleges and universities to **meet the demands of** a new age. 我们要改良中小学和大专院校, 使其合乎新时代的要求。

★常用于研究背景的介绍 (从需求出发)。

10. With the rapid development of 随着... 的迅速发展 〈引言〉\_\_\_\_\_

- The problem of pollution arises along with the rapid development of industry. 随着工业的迅速发展，产生了污染问题。
- With the rapid development of social reform and transformation, many social problems attract the public's wide attention. 随着我国改革进程的加快、社会转型的加速，许多社会问题引起了公众的广泛关注。



SCI写作句型



常用于介绍研究背景，比如从最新技术前沿、以及社会发展趋势展开描述。

# 1. Accompanying the boom in 伴随着... 的激增/繁荣/兴起 <引言>

- Accompanying the boom in multifunctional wearable electronics, flexible, sustainable, and wearable power sources are facing great challenges. 随着多功能可穿戴电子设备的兴起，灵活、可持续和可穿戴电源面临着巨大的挑战。

描述现有研究存在的不足和难点。

# 2. be facing great challenges 面临巨大挑战 <引言>

- Automobile industry, one of Chinese economic backbone, is facing great challenges from global competition. 我国重要的支柱产业汽车工业正面临全球竞争的严峻挑战。
- Under the influence of global financial crisis, the hotel industry is facing great challenges in the decline of customers and profits. 受全球金融危机影响，旅游酒店业正面临着客源下降、利润减少、行业亏损的巨大挑战。

★由于某些优点或者采取了哪些设计，从而带来了哪些正面意义。

# 3. be bestowed with (merits) 赋予/授予（优点） [双链] <引言，正文>

- With the optimized material selections and structure design, the SI-TENG is bestowed with some merits, such as stretchability, ultrathin, and light-weight. 通过优化的材料选择和结构设计，SI-TENG 具有一些优点，例如具有可拉伸性，超薄性和轻巧性。

★在应用范围方面，对现有的研究进行总结回顾。

# 4. exhibit extensive applications in 在... 方面具有广泛的应用 [双链] <引言>

- The SI-TENG exhibits extensive applications in the fields of human-machine interface and security systems. SI-TENG 在人机界面和安全系统领域具有广泛的应用。

★与上一句类似，可以用其他词汇替代 extensive，实现句型的变换。

# 5. have received extensive applications 得到了广泛的应用 [双链] <引言>

- Among various of smart electronics, stretchable sensors have received extensive applications in touch-sensor-based technologies, artificial intelligence systems, personal healthcare monitoring. 在各种智能电子产品中，可伸缩传感器已在触摸传感技术、人工智能系统、个人医疗保健监控中得到广泛应用。

（从优势和重要性出发），引出本文的研究话题。

# 6. have received considerable attention 受到了相当大的关注 <引言>

- System identification and damage detection have received considerable attention recently because of their importance in structural health monitoring. 由于在结构健康监测中的重要作用，系统辨识和损伤识别近年来受到了广泛的注意。

描述... 带来的积极意义。

7. have significantly facilitated 显著促进 〈引言〉

- The rapid development of multifunctional wearable electronics has significantly facilitated our life. 多功能可穿戴电子产品的快速发展极大地便利了我们的生活。

比如, 为解决某些问题, 有哪些解决方案, 采取了哪些措施。

8. To address these issues 为了解决这些问题 〈引言〉

- To address these issues, a distributed directory can be used. 为了解决这些问题, 可以使用分布式目录。
- To address these issues, American represented by the middle class community launched a massive urban reform movement. 为了解决这些问题, 以中产阶级为代表的美国社会各界开展了声势浩大的城市改革运动。

突出... 是研究热点; 或者引出现有研究存在的挑战。

9. considerable research efforts are dedicated to 大量的研究工作致力于 〈引言〉

- Recently, considerable research efforts are dedicated to fabricate stretchable and ultrathin electronics. 近来, 大量的研究努力致力于制造可拉伸的和超薄的电子产品。

★进行转折, 引出自己的研究工作; 少有人报道, 即突出本研究的新颖性和独创。

10. only a few studies 只有少数研究 〈引言〉

- However, there exists only a few studies on social support networks for Christian individuals. 然而, 在这些研究成果中, 却鲜有对基督教信仰人员个体社会支持网络的研究。
- Many studies have been made on wheat mechanistic models but only a few studies have been reported on incorporating the growth mechanistic model and visualization model. 目前, 多数研究集中在研究小麦生长的生理生态模型和形态结构模型上, 而很少考虑小麦的可视化模型。素焕发新的活力, 同时给现代城市带来新的生机。
- But only a few studies are concerning how to promote the adherence and growth of endothelial cells to material, and none of them has good effect on these aspects. 因此如何促进内皮细胞在材料表面的粘附生长是研究的热点之一, 生物活性分子在这方面的作用受到重视, 但目前还没有一种生物活性分子在这方面显示良好的效果。



SCI写作句型



## § 第一期

★比如描述本研究在某些领域的发展前景；常作为最后一句，用于突出本研究的意义所在。

### 1. great development prospect 广阔发展前景 [双链] 〈摘要，引言，总结〉

- With the rapid development of computer technology and communication technology, embedded system has been used widely. Many embedded products have been seen in daily life, with **great development prospect**. 随着计算机技术和电子通讯技术的快速发展，嵌入式系统的应用日益广泛，嵌入式产品已经进入到人们的日常生活中，并将有更广阔的发展前景。
- In addition, acid alpha-amylase is widely applied in numerous areas, such as alcoholic fermentation, silage, medicine and other fields, and has **great application potential** and development prospect. 此外，耐酸性  $\alpha$ -淀粉酶还可广泛应用于酒类发酵、青贮饲料、医药等多种领域，具有极大的应用潜力和开发前景。

★使用非常频繁；常用作最后一句。

### 2. great development potential 发展潜力巨大 [双链] 〈摘要，引言，总结〉

- This study has **great development potential** in the evaluation of large-scaled land development and consolidation projects. 本研究在大规模的土地开发整理工程评价中大有发展潜力。
- Morph Animation is outstanding in the field of computer graphics in recent years, which has **great development potential** and application prospect in cartoon, movie stunt, landscape architecture, and so on. 动画变形近年来在计算机图形学领域中备受瞩目，它在热门的动漫制作、电影特效处理、建筑景观仿真等方面都具有极大的发展潜力和应用前景。

★比如描述本研究的潜在应用领域；应用研究论文的常用表述。

### 3. have potential applications ... 有潜在应用 〈摘要，引言，总结〉

- The colorful photoluminescent fibers **have potential applications** in display field. 这种可以光致发光的聚合物纤维在显示领域有着潜在的应用前景。

★先描述整个大背景（需求角度），从而引出研究话题

### 4. There is an urgent demand for 迫切需求... 〈引言〉

- With the development of aviation, **there is an urgent demand for** lightweight materials. 随着航空事业的发展，对轻质材料的需求极为迫切。
- **There is an urgent demand for** synchronized time in critical network infrastructure, network security, system auditing and usage accounting. 同时，很多应用领域对时间同步的需求又很迫切，比如网络基础设施、网络安全、系统审计和账户结算等方面。



5. has attracted great interests 引起了极大的兴趣 <引言>

- Nowadays, microwave photonics has attracted great interests from both the research community and commercial sector all over the world. 近年来, 微波光子学在世界范围内引起了相关研究机构和商业界的广泛关注。
- As one of the noble metals, palladium has also attracted great interests because of its extraordinary properties. It can be widely used as the primary catalyst. Pt 作为一种重要的铂族元素一直吸引着人们的广泛兴趣, 并被广泛用作催化剂。

★研究背景介绍; 引出本研究的意义所在, 体现选题的价值。

6. plenty of research efforts are devoted to ... 大量的研究致力于... <引言>

- Recently, plenty of research efforts are devoted to flexible, stretchable, sensitive, super-conformal, and mechanically durable wearable TENG fabrics, which are relatively easy to achieve and attracted the most attention. 近年来, 人们对柔性、可伸缩性、敏感性、超共形性、机械耐久性等易实现的可穿 TENG 织物进行了大量的研究, 并引起了人们的广泛关注。

★研究背景介绍; 引出某领域待解决的问题, 体现选题的价值。

7. attracted the most attention 最受关注, 最吸引眼球, 最引人注目 <引言>

- The music storage part of iCloud has attracted the most attention in recent weeks. 最近几周, 最吸引眼球的无疑是 iCloud 的音乐同步功能。
- Of these, it is the financial measures and particularly tax incentives that have attracted the most attention and analysis. 在上述办法中, 财政措施, 特别是税收激励政策, 吸引了最多的注意力和分析。
- Among the numerous burgeoning access technologies, broadband wireless access has attracted the most attention from the communication industry during recent years, due to its particular advantages in system performance. 在众多新兴的接入技术中, 无线宽带接入技术以其特有的优势成为近年来通信技术市场的最大亮点。

★比如, 体现某研究的重要性, 某领域的研究热点, 某领域的关键问题所在。

8. expand the scope of application 拓展了应用范围 <摘要, 总结>

- Its rise, not only has injected new vitality to the traditional automobile manufacturing industry, but also to expand the scope of application of electronic products. 它的兴起, 不仅给传统汽车制造业注入了新的活力, 而且进一步扩大了电子产品的应用范围。
- The subject is committed to obtain cationic microspheres to improve the effectiveness of vaccine by oral administration and expand the scope of application of the vaccine. 本课题致力于将疫苗药物制备成口服有效的阳离子微球制剂, 拓展疫苗的应用范围。

体现本研究的价值所在, 特别是应用范围的扩大作用。

9. bring novel/significant/great insight into 带来新颖/有意义/强大的见解 <摘要, 总结>

★可用于体现研究的新颖性。

- Based on your knowledge, you **bring significant insight into** decisions and direction. 利用你的知识，为公司的决策以及方针政策带来有意义的见解。
- This can seem purposeless, and yet the practice of emptying the mind can **bring great insight into** the many ways we struggle and strive to fill it. 这看起来似乎漫无目的，然而这种放空感知的行为，在很多方面，可以为我们带来强大的洞察力，而这正是我们努力想要填补的缺憾

可用于体现研究的新颖性和对某个领域的促进作用。

#### 10. brings new vitality 带来新的活力〈引言，总结〉

- The technology of numerical simulation of casting is a combining product of computer science and foundry. It **brings new vitality to** the traditional casting industry. 铸造数值模拟技术是计算机科学和铸造技术相结合的产物，它为传统的铸造行业注入了新的活力。
- This paper studies the modern application of the traditional street, lane and courtyard, which **brings new vitality to** the tradition and imparts fresh life to the modern city. 通过研究传统街、巷的现代阐释，以及院落的现代运用，使城市中的传统元素焕发新的活力，同时给现代城市带来新的生机。



## SCI写作句型



比如，从优势出发，引出要讨论的话题。

### 1. With the advantages of 凭借着... 优势 <引言>

- With the advantages of product quality and brand, the foreign brands take up a certain portion in the Chinese health food market. 国外品牌凭借产品质量及品牌的优势，在中国高端保健品市场上居独占地位。
- With the advantages of superior wear resistance, mechanical durability, and stability, the liquid-solid mode triboelectric nanogenerator (TENG) has been attracting much attention in the field of energy harvesting and self-powered sensors. 凭借优异的耐磨性，机械耐用性和稳定性，液固式摩擦电纳米发电机（TENG）在能量收集和自供电传感器领域引起了广泛关注。

通常用于描述研究成果所解决的问题。

### 2. contribute to solving the problem 帮助解决问题 <总结>

- I'm sure your suggestion will contribute to solving the problem. 我确信你的建议将有助于我们解决这个问题。
- The fundamentals of the water-solid mode TENG presented in this work could contribute to solving the problem of electrical phenomena on a liquid-solid interface, and may establish a sound basis for a thorough understanding of the liquid-solid mode TENG. 在这项工作中提出的水固模式 TENG 的基本原理可以有助于解决液固界面上的电现象问题，并且可以为深入理解液固模式 TENG 奠定良好的基础。

通常用于描述研究成果所产生意义。

### 3. establish a sound basis for 建立良好/坚实的基础 <总结>

- The fundamentals of the water-solid mode TENG presented in this work could contribute to solving the problem of electrical phenomena on a liquid-solid interface, and may establish a sound basis for a thorough understanding of the liquid-solid mode TENG. 在这项工作中提出的水固模式 TENG 的基本原理可以有助于解决液固界面上的电现象问题，并且可以为深入理解液固模式 TENG 奠定良好的基础。

★比如，从存在的问题出发，引出所要讨论的话题。

### 4. Researchers have attempted to 研究人员试图 <引言>

- In the last decades, many researchers have attempted to investigate the neural mechanism of deception. 过去 10 年，很多研究者致力于说谎神经机制的研究。
- In recent years, researchers have attempted to use a variety of statistics and surveys to answer a question that's occupied countless generations of philosophers: What makes us truly happy? 近年来，研究人员试图利用各种统计和调查方法去回答一个困扰了无数代哲人的问题：是什么令我们真正感到快乐？



★比如某些优势所带来的影响。

5. endow (sb) with (sth) 赋予 (某人某物) [双链] 〈引言〉

- Nature **endows us with** inborn abilities and traits, besides our behaviour pattern and the ways of thinking depend on nature. 天性给了我们内在的能力和特征并决定了我们的行为模式和思考模式。
- Meanwhile the high social status also **endows them with** corresponding social responsibility to develop economy, spread advanced culture and promote the social moral values. 这一地位同时也赋予了他们相应的发展经济、传播先进文化、促进社会道德水平提高的社会责任。

一个意思是「因此」，引出结果；另一个意思是「相应地」。

6. accordingly 因此，所以；相应地 [双链] 〈正文〉

- Cement Rock is liable to be corroded and its properties could be changed when in a sour environment, which will cause it to lose isolated capability, **accordingly lead to** annulus gas migration even entire well scrap. 水泥石在酸性环境中，容易受到腐蚀而改变水泥石的性能，失去封固能力从而导致环空气窜，甚至导致全井报废的危害，带来严重的经济损失。
- The higher the casting speed is, the higher the impacting point of the jet stream on the narrow face. Furthermore, higher casting speed will bring serious fluctuation to meniscus, **accordingly it will lead to** various defects. 铸造速度越大，流股对结晶器窄面的冲击点也越高，此外，较高的铸速会引起弯月面的剧烈波动，这将会引起各种缺陷。
- As the economy develops, the living conditions of the people have been improved **accordingly**. 他们意识到自己有些价格高于竞争对手，就相应调整了价格。

在表示「因此」时，与 **accordingly** 意思相近。

7. consequently 因此，所以 [双链] 〈正文〉

- Conclusion: Hypertension, particularly persistent hypertension state, may enhance cell proliferation in both epithelium and stroma of BPH, and **consequently lead to** the enlargement of the prostate. 结论：高血压尤其是长期高血压状态可促进前列腺上皮和间质细胞的增殖，进而导致前列腺体积增大。
- On mechanically modulating the EDLs, the voltages across the EDLCs and the potential difference between the two electrodes change, **consequently giving rise to** the generation of a conduction current in the external circuit. 在对 EDL 进行机械调制时，EDLC 两端的电压和两个电极之间的电位差会发生变化，因此会在外部电路中产生传导电流。

通过用于体现研究产生的意义。

8. have achieved a comprehensive understanding 全面了解 〈总结〉

- In this work, we **have achieved a comprehensive understanding of** the physical mechanisms of the water–solid mode TENG. 在这项工作中，我们对水固模式 TENG 的物理机理有了全面的了解。

- In the second chapter, based on the systematic field investigation, which included rural residential location, spatial layout and constructional conformation, we **have achieved a comprehensive understanding about** the status of rural area in Changsha. 第二章在系统实地调查的基础上, 分别从农村住宅的选址、空间布局 and 建筑形态三个方面进行论述, 以便对长沙地区农村的现状有较全面的了解。

比如描述研究所起的作用。

9. allow sb to do sth 允许... 〈总结〉

- In summary, an equivalent circuit model of a water-solid mode TENG is proposed, which **allow us to have a better understanding about** the physical mechanism of this typical energy harvesting device. 总而言之, 提出了水-固体模式 TENG 的等效电路模型, 这使我们可以更好地了解这种典型的能量收集装置的物理机制。
- Advancements in molecular genetics in the last few decades **allow us to understand more about** self and non-self as well as our bodies in health and sickness. 近几年来, 分子遗传学的发展使我们对自我非自我以及人体的健康或疾病有进一步的了解。

★引出自己的研究话题; 某研究是解决某个问题的良好方案。

10. an attractive option for 一个有吸引力的选择 〈引言, 总结〉

- Bioremediation is proved to be **an attractive option for** treating perchlorate-contaminated water because of its high efficiency and low expense and minimal impact on water quality, and it has been successfully used for removing high level of perchlorate in the field. 生物法降解高氯酸盐是效果好、费用低、对环境影响较小的一种方法, 目前已成功地运用于处理含高浓度高氯酸盐的原文
- As network speeds increase and latencies decrease, NFS continues to be **an attractive option for** serving a file system over a network. 由于网络速度的增加和延迟的降低, NFS 一直是通过网络提供文件系统服务具有吸引力的选择。



SCI写作句型



## 1. be intended to focus on 目的在于〈引言〉

比如，用于引出论文的研究重点

- This review article **is intended to focus on** the latest advancement and new perspectives of graphene material. 本文综述了石墨烯材料的最新进展和发展前景。
- This paper **is intended to focus on** the translation of these words from four aspects. 本文将从四种空缺类型分析汉语文化负载词的英译状况。

★通常用于介绍论文的结构或章节组成。

## 2. be organized into 被组织成〈引言〉

- The article **is organized into** five parts: The first part is a brief introduction to the development of normative logic. 本文共分五个部分：第一部分主要是对规范逻辑的发展史做一些简要的陈述。
- It **is organized into** ten major sections; one of these sections is for physical security. 主要包括 10 个部分，其中有一个部分讲述的就是物理安全问题。

在介绍研究背景时可以考虑使用。

## 3. many approaches have been proposed to 很多方法被提出...〈引言〉

- **Many approaches have been proposed to** solve these problems. 为了解决这些问题，研究者已经提出了很多方法。
- Currently, **many approaches have been proposed to** solve the location problem of public facilities, namely exact and heuristic ones. 目前，学者们已经提出了许多方法来解决选址问题，其中包括精确方法和启发式方法。

★比如，通过分析已有的方案，再引出自己的方案

## 4. most efforts in ... have been devoted to 大部分努力都致力于〈引言〉

- To date, **most efforts in** triboelectric materials **have been devoted to** adjusting work functions by doping/alloying and increasing the effective contact area by introducing micro/nanostructures. 迄今为止，摩擦电材料中的大多数努力都致力于通过掺杂/合金化来调节功函数，并通过引入微/纳米结构来增加有效接触面积。

★比如说明某个研究很罕见，来突出本研究的新颖性。

## 5. the investigation of/on ... is limited 关于...的研究是有限的[双链]〈引言〉

- However, **the investigation of** Gr/GO/RGO as triboelectric materials of TENG **is pretty limited**. 然而，作为 TENG 摩擦材料的 Gr/GO/RGO 的研究非常有限。

★比如用于描述本研究带来的积极意义。句型 6、7、10 用法类似。

## 6. provides valuable directions for 为...提供了有价值的指导/思路〈摘要，引言，总结〉

- This study **provides valuable directions for** the design and optimization of sliding mode TENGs containing springs, and will motivate in-depth research on the

fundamental principles of TENG operation. 这项研究为包含弹簧的滑动模式 TENG 的设计和优化提供了有价值的指导，并将激发对 TENG 操作基本原理的深入研究。

★比如用于描述本研究带来的积极意义。句型 6、7、10 用法类似。

7. have provided a new paradigm for 提供了一个新的范例 <摘要, 引言, 总结>

- Imagination inflation had provided a new paradigm for the false memory research. Afterwards many researchers had conducted extensive research on the autobiographical memory, the recent memory as well as the simple action memory. 想象膨胀范式为错误记忆的研究提供了一种新的思路与方法，随后许多研究者都运用此范式对自传体记忆、近期记忆以及简单行为记忆进行了广泛的研究。
- Meanwhile, nanogenerators based on triboelectric effects have provided a new paradigm for developing cost-effective, high-output, flexible, and durable portable energy harvesters. 同时，基于摩擦电效应的纳米发电机为开发具有低成本、高输出、灵活且耐用的便携式能量收集器提供了新的范例。

介绍研究背景时常用。

8. be an ongoing pursuit 是一个持续的追求 <引言>

- Finding a new, sustainable and scalable approach to fabricate high-performance, durable triboelectric nanogenerators (TENGs) is an ongoing pursuit. 寻找一种新颖、可持续和可扩展的方法来制造高性能、耐用的摩擦电纳米发电机 (TENG) 是一个持续的追求。

★介绍研究背景时常用。

9. Motivated by these challenges 受到这些挑战的激励 <引言>

- Motivated by these challenges in Bayesian nonparametrics, we try to estimate the prior parameters of several process priors under an empirical Bayes framework with different data structures: univariate data, multivariate data, even monotone missing data. 为了解决贝叶斯非参数统计中这些问题和挑战，基于经验贝叶斯的框架和几种不同的数据结构：一元数据，多元数据和单调缺失数据，我们尝试分别对几类过程先验中的参数进行估计。
- Motivated by these challenges, we devote to develop a sustainable and scalable method to fabricate porous films with high triboelectric properties and manufacture highly stable and durable TENGs with superb output performance. 受这些挑战的驱使，我们致力于开发一种可持续且可扩展的方法来制造具有高摩擦电性能的多孔膜，并制造出具有出色输出性能的高度稳定和耐用的 TENG。

★比如用于描述本研究带来的积极意义。句型 6、7、10 用法类似。

10. offer/provide a new route to 提供了一个新途径 <摘要, 引言, 总结>

- This work offers a new route to mass-produce skinless porous thin films with high triboelectric performance and durability and verifies the principle and advantages of designing friction layers with complementary shapes to boost the energy output. 这项工作为大规模生产具有高摩擦电性能和耐久性的无皮多孔

薄膜提供了一条新途径，并验证了设计具有互补形状的摩擦层以提高能量输出的原理和优点。



## SCI写作句型

