# Article information:

仿生超拉伸和防冻导电水凝胶纤维，具有有序和可逆的聚合物链排列 |自然通讯  
<https://www.nature.com/articles/s41467-018-05904-z>

# Article summary:

1. Stretchable conductive materials are essential for emerging stretchable electronic devices, and conductive hydrogels show promise as stretchable conductive materials.

2. Conductive hydrogel fibers with ordered and reversible chain alignment are highly desired for the development of stretchable electronics, but remain a challenge to produce.

3. Inspired by the organized structure and unique spinning process of spider silk, a simple spinning method was developed to prepare conductive hydrogel fibers from aqueous solution of polyelectrolytes at ambient conditions.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

很遗憾，由于缺少完整的文章内容，我无法对其进行详细的批判性分析。但是，从文章标题和引言中可以看出，该文章主要介绍了一种新型的仿生超拉伸和防冻导电水凝胶纤维，并探讨了其在可拉伸电子设备领域的应用前景。

需要注意的是，在任何科学研究中都存在偏见和局限性。因此，在阅读这篇文章时，我们应该保持批判性思维，不断质疑作者提出的观点和结论，并寻找更多来源来验证其可靠性。同时，我们也应该关注可能存在的风险和问题，并平等地呈现双方观点。

# Topics for further research:

* Bionic super-stretch and anti-freezing conductive hydrogel fiber
* Stretchable electronic devices
* Potential applications in the field of stretchable electronic devices
* Biases and limitations in scientific research
* Critical thinking and questioning of the author's viewpoints and conclusions
* Identifying potential risks and issues and presenting both sides of the argument.

# Report location:

<https://www.fullpicture.app/item/ba4fa342619d6422ae7cf5275e42e90e>