# Article information:

Sci-Hub | EdgeChain: An Edge-IoT Framework and Prototype Based on Blockchain and Smart Contracts | 10.1109/JIOT.2018.2878154  
<https://sci-hub.et-fine.com/10.1109/JIOT.2018.2878154>

# Article summary:

1. EdgeChain是一个基于区块链和智能合约的边缘物联网框架和原型。

2. EdgeChain可以提高边缘设备的安全性、可靠性和效率，并支持分布式应用程序。

3. EdgeChain的实现包括使用以太坊作为底层平台、设计智能合约来管理设备和数据、以及使用加密技术保护通信和存储。

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

作为一篇学术论文，该文章提供了一个基于区块链和智能合约的边缘物联网框架和原型。然而，该文章并没有明显的偏见或片面报道。它提供了详细的技术细节和实验结果，并引用了其他相关研究。

然而，该文章可能存在一些缺失的考虑点。例如，它没有探讨使用区块链和智能合约所带来的潜在风险，如安全漏洞、隐私问题等。此外，该文章也没有平等地呈现双方观点，即对于使用传统技术进行边缘物联网开发的优点和缺点进行比较。

此外，在Sci-Hub上发布这篇论文可能会被视为宣传内容，因为Sci-Hub本身就是一个旨在免费获取科学论文的项目。然而，这并不影响该论文本身的质量和价值。

总之，尽管该文章可能存在一些缺失的考虑点和未探索的反驳，但它仍然是一篇有价值的学术论文，并且没有明显的偏见或片面报道。

# Topics for further research:

* Potential risks of using blockchain and smart contracts in edge IoT development
* Privacy concerns related to blockchain and smart contract usage
* Security vulnerabilities associated with blockchain and smart contract implementation
* Comparison of advantages and disadvantages of traditional technologies for edge IoT development
* Potential biases or limitations in the article's presentation of the topic
* Implications of publishing the article on Sci-Hub for its perceived promotion of free access to scientific literature.

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