

## RESEARCH ON CYBER SECURITY RISK MANAGEMENT

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### **ABSTRACT**

*In the current age of globalism, the issue of cyber security is increasingly prominent. Hacker attacks, virus outbreaks and other hidden dangers seriously harm the network system. Cyber security risk has become one of the most important risks facing contemporary society. The management of cyber security risk is an important guarantee for the healthy development of network information technology. From the perspective of network system, this paper reviews the research status of epidemic threshold, risk propagation model and immune strategy, and introduces some research results and methods in the field of cyber security risk management.*

**KEYWORDS:** *Cyber Security; Epidemic Threshold; Risk Propagation; Management*