

## Energy-resistant anti-tracking technology for quantum communication at communication sites



## Energy-resistant anti-tracking technology for quantum communication



In this work, we explore the integration of quantum secure direct communication (QSDC) with time-sensitive networking (TSN) for the first time, proposing a novel framework to address the ...



The uniqueness of this review lies in its examination of the combination of different quantum-related technologies in the context of quantum satellites and UAV-based communications. ...



Given the behavior of photonic and particle-like Terahertz (THz) systems, a comprehensive system-oriented perspective is adopted to assess the feasibility of using quantum communications in future ...



By unifying key distribution and post-quantum methodologies, the can adapt to evolving threats and maintain secure communications under challenging conditions. It incorporates authenticated ...



DC protocol have been proposed [8-27]. To mitigate vulnerabilities in quantum devices, researchers have developed innovative protocols including: (i) measurement-device-independent QSDC (MDI ...



The primary objective of this paper is to explore how machine learning can be leveraged to enhance the development and deployment of quantum-resistant cryptographic protocols for secure communication.



Quantum Key Distribution (QKD) is increasingly pivotal in securing communication channels against the looming threats posed by quantum computing. However, existing QKD ...



China's PLA has begun testing what may be the world's first portable quantum radio for secure communication in remote border zones.



A comparative study on the design of communication protocols resistant to quantum attacks for various applications. Secure multi-party computation using post-quantum cryptography.



Quantum Key Distribution (QKD) is increasingly pivotal in securing communication channels against the looming threats posed by quantum ...



A thorough analysis of several cutting-edge quantum-resistant authentication and key agreement protocols developed for the IoT, cloud and mobile, satellite and smart grid, healthcare, ...

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