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Titolo	Secure Quantum Network Coding Theory // by Tao Shang, Jianwei Liu
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ISBN	981-15-3386-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 283 p. 79 illus., 1 illus. in color.)
Disciplina	003.54
Soggetti	Telecommunication Spintronics Coding theory Information theory Communications Engineering, Networks Coding and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Preliminaries -- Typical quantum network coding schemes -- Quantum network coding based on repeaters -- Quantum network coding based on controllers -- Opportunistic quantum network coding -- Quantum network coding with authentication -- Quantum network coding for continuous variables -- Security analysis of quantum cryptographic protocols -- Security analysis based on BAN logic -- Security analysis based on quantum random oracle model -- Security analysis of quantum obfuscation -- Security analysis of measurement-device independency.
Sommario/riassunto	This is the first book on secure quantum network coding, which integrates quantum cryptography into quantum communication. It summarizes the main research findings on quantum network coding, while also systematically introducing readers to secure quantum network coding schemes. With regard to coding methods, coding models and coding security, the book subsequently provides a series of quantum network coding schemes based on the integration of quantum cryptography into quantum communication. Furthermore, it describes the general security analysis method for quantum cryptographic protocols. Accordingly, the book equips readers with effective tools for

