

1. Record Nr.	UNINA990001289220403321
Titolo	Differential Geometry Proceedings, Special Year, Maryland 1981-82 : Robert Brooks, Alfred Gray, Bruce L. Reinhart
Pubbl/distr/stampa	Boston [etc.] : Birkhauser, 198 3
Descrizione fisica	Progress in Mathematics, 32
Locazione	MA1
Collocazione	C-3-(32)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910647769103321
Autore	Matsuura Takaya
Titolo	Digital quantum information processing with continuous-variable systems // Takaya Matsuura
Pubbl/distr/stampa	Singapore : , : Springer, , [2023] ©2023
ISBN	9789811982880 9789811982873
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (172 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	016.61483
Soggetti	Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Preliminaries -- Continuous-Variable Quantum System -- Quantum Key Distribution with Continuous-Variable Systems -- Quantum computation with Continuous-Variable Systems.
Sommario/riassunto	The book provides theoretical methods of connecting discrete-variable

quantum information processing to continuous-variable one. It covers the two major fields of quantum information processing, quantum communication and quantum computation, leading to achievement of a long-sought full security of continuous-variable quantum key distribution (QKD) and proposal of a resource-efficient method for optical quantum computing. Firstly, the book provides a security of continuous-variable QKD against arbitrary attacks under a realistic condition such as finite communication rounds and the use of digitized information processing. The book also provides the unified view for conventionally used approximate Gottesman-Kitaev-Preskill (GKP) codes, which encodes qudits on a continuous-variable system, enabling direct comparison between researches based on different approximations. The book finally proposes a resource-efficient method to realize the universal optical quantum computation using the GKP code via the direct preparation of the GKP magic state instead of GKP Pauli states. Feasibility of the proposed protocol is discussed based on the existing experimental proposals for the GKP state preparation.

3. Record Nr.	UNINA9910863110903321
Titolo	Advances in Probiotics for Sustainable Food and Medicine // edited by Gunjan Goel, Ashok Kumar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-15-6795-6
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (IX, 240 p. 14 illus., 10 illus. in color.)
Collana	Microorganisms for Sustainability, , 2512-1898 ; ; 21
Disciplina	615.329
Soggetti	Bacteria Food - Microbiology Microbial genetics Food Microbiology Microbial Genetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto

Chapter 1. Probiotics and their potential applications: An Introduction -- Chapter 2. Sources and Selection criteria of probiotics -- Chapter 3. Indigenous fermented foods as a potential source of probiotic foods -- Chapter 4. Prebiotics for Probiotics -- Chapter 5. Probiotics as live biotherapeutics: prospects and perspectives -- Chapter 6. Probiotics as functional foods -- Chapter 7. Probiotics in Livestock and Poultry Nutrition and Health -- Chapter 8. Probiotics for Human Health. Chapter 9. Influence of probiotics over AMPK-dependent health activity: a look into its molecular mechanisms -- Chapter 10. Metabolic engineering approaches for improvement of probiotics functionality.

Sommario/riassunto

This book focuses on probiotics as sustainable foods and medicines, discussing issues such as screening and identification of probiotics, health claims, and advances in processing technologies, as well as food safety. Based on sound scientific research, the book is a unique reference resource for food scientists interested in development of probiotic based functional foods and their marketing. It will also appeal to those working in the area of regulations regarding the use of and health claims for fermented foods, both locally and globally.
