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| 1. Record Nr. | UNINA9910480456203321 |
| Autore | De Riso Giuseppe |
| Titolo | Affect and the performative dimension of fear in the Indian English novel : tumults of the imagination // by Giuseppe De Riso |
| Pubbl/distr/stampa | Newcastle upon Tyne, UK : , : Cambridge Scholars Publishing, , 2018 |
| ISBN | 1-5275-1201-0 |
| Descrizione fisica | 1 online resource (213 pages) |
| Disciplina | 820.9954 |
| Soggetti | Indic literature (English) - History and criticism
Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 2. Record Nr. | UNINA9910409995503321 |
| Titolo | Emerging Frontiers in Nonlinear Science // edited by Panayotis G. Kevrekidis, Jesús Cuevas-Maraver, Avadh Saxena |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020 |
| ISBN | 3-030-44992-0 |
| Edizione | [1st ed. 2020.] |
| Descrizione fisica | 1 online resource (xxv, 373 pages) : illustrations |
| Collana | Nonlinear Systems and Complexity, , 2195-9994 ; ; 32 |
| Disciplina | 003.75 |
| Soggetti | Statistical physics
Physics
System theory
Mathematical physics
Systems biology
Biological systems
Quantum computers
Applications of Nonlinear Dynamics and Chaos Theory
Applications of Graph Theory and Complex Networks
Complex Systems
Theoretical, Mathematical and Computational Physics
Systems Biology |

Quantum Computing

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	<p>Chapter 1 – Nonlinearity and Biology (Zoi Rapti) -- Chapter 2 - Nonlinearity and Topology (Avadh Saxena, Panayotis G. Kevrekidis, and Jesús Cuevas-Maraver) -- Chapter 3 - Nonlinear Metamaterials (Lei Xu, Mohsen Rahmani, David A. Powell, Dragomir Neshev, Andrey E. Miroshnichenko) -- Chapter 4 - Nonlinearity and discreteness: solitons in lattices (Boris A. Malomed) -- Chapter 5 - Universal relaxation in quantum systems (Kazuya Fujimoto and Masahito Ueda) -- Chapter 6 - Nonlinearity and Networks: A 2020 Vision (Mason A. Porter) -- Chapter 7 - Integrability and Nonlinear Waves (Mark J. Ablowitz) -- Chapter 8 - Nonequilibrium phenomena in nonlinear lattices: from slow relaxation to anomalous transport (Stefano Iubini, Stefano Lepri, Roberto Livi, Antonio Politi, and Paolo Politi) -- Chapter 9 - Nonlinearity, Geometry and Field Theory Solitons (Nicholas S. Manton) -- Chapter 10 - Nonlinear and Novel Phenomena in Non-Hermitian Photonics (Li Ge and Wenjie Wan) -- Chapter 11 - Computational Challenges of Nonlinear Systems (Laurette S. Tuckerman) -- Chapter 12 - Dissipative Systems (Edgar Knobloch) -- Chapter 13 - Synchronization in discrete models (Alexandre Rosas, Daniel Esca, Katja Lindenberg) -- Chapter 14 – Physics-informed learning machines for partial differential equations: Gaussian processes versus neural network (Guofei Pang and George Em Karniadakis).-Chapter 15- Nonlinear systems for unconventional computing (Kirill P. Kalinin and Natalia G. Berlo). .</p>
Sommario/riassunto	<p>This book explores the impact of nonlinearity on a broad range of areas, including time-honored fields such as biology, geometry, and topology, but also modern ones such as quantum mechanics, networks, metamaterials and artificial intelligence. The concept of nonlinearity is a universal feature in mathematics, physics, chemistry and biology, and is used to characterize systems whose behavior does not amount to a superposition of simple building blocks, but rather features complex and often chaotic patterns and phenomena. Each chapter of the book features a synopsis that not only recaps the recent progress in each field but also charts the challenges that lie ahead. This interdisciplinary book presents contributions from a diverse group of experts from various fields to provide an overview of each field's past, present and future. It will appeal to both beginners and seasoned researchers in nonlinear science, numerous areas of physics (optics, quantum physics, biophysics), and applied mathematics (ODEs, PDEs, dynamical systems, machine learning) as well as engineering.</p>