1. Record Nr. UNINA9910466603003321

Titolo	ABC of COPD / / edited by Dr Graeme P Currie
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley Blackwell : , : BMJ Books, , 2017 ©2017
ISBN	1-119-21281-2 1-119-21280-4
Edizione	[Third edition.]
Descrizione fisica	1 online resource (120 pages) : color illustrations
Collana	ABC Series
Disciplina	616.24
Soggetti	Lungs - Diseases, Obstructive Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Definition, epidemiology and risk factors -- Pathology and pathogenesis -- Diagnosis -- Lung function tests -- Smoking cessation -- Non-pharmacological management -- Pharmacological management (I). Inhaled treatment -- Pharmacological management (II). Oral treatment -- Drug delivery devices -- Oxygen -- Surgical and interventional strategies -- Exacerbations -- Ventilatory support -- Primary care -- Death, dying and end of life issues -- Future treatments.

2.

Record Nr.	UNINA9910300539403321
Autore	Keser Aydn Cem
Titolo	Classical Analogies in the Solution of Quantum Many-Body Problems / / by Aydn Cem Keser
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-030-00488-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (99 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	530.144
Soggetti	Superconductivity Superconductors Phase transformations (Statistical physics) Condensed matter Mechanics Physics Mathematical physics Strongly Correlated Systems, Superconductivity Quantum Gases and Condensates Classical Mechanics Mathematical Methods in Physics Mathematical Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1. Introduction -- Chapter2. Long Range p-Wave Proximity Effect into a Disordered Metal -- Chapter3. Analogue Stochastic Gravity in Strongly Interacting Bose-Einstein Condensates -- Chapter4. Dynamical Many-Body Localization in an Integrable Model -- Chapter5. Conclusions.
Sommario/riassunto	This book addresses problems in three main developments in modern condensed matter physics– namely topological superconductivity, many-body localization and strongly interacting condensates/superfluids–by employing fruitful analogies from classical

mechanics. This strategy has led to tangible results, firstly in superconducting nanowires: the density of states, a smoking gun for the long sought Majorana zero mode is calculated effortlessly by mapping the problem to a textbook-level classical point particle problem. Secondly, in localization theory even the simplest toy models that exhibit many-body localization are mathematically cumbersome and results rely on simulations that are limited by computational power. In this book an alternative viewpoint is developed by describing many-body localization in terms of quantum rotors that have incommensurate rotation frequencies, an exactly solvable system. Finally, the fluctuations in a strongly interacting Bose condensate and superfluid, a notoriously difficult system to analyze from first principles, are shown to mimic stochastic fluctuations of space-time due to quantum fields. This analogy not only allows for the computation of physical properties of the fluctuations in an elegant way, it sheds light on the nature of space-time. The book will be a valuable contribution for its unifying style that illuminates conceptually challenging developments in condensed matter physics and its use of elegant mathematical models in addition to producing new and concrete results.