

1. Record Nr.	UNISA996466475503316
Autore	Rivasseau Vincent
Titolo	Quantum Many Body Systems [[electronic resource]] : Cetraro, Italy 2010, Editors: Alessandro Giuliani, Vieri Mastropietro, Jakob Yngvason / / by Vincent Rivasseau, Robert Seiringer, Jan Philip Solovej, Thomas Spencer
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2012
ISBN	3-642-29511-8
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (XIII, 180 p. 11 illus., 1 illus. in color.)
Collana	C.I.M.E. Foundation Subseries ; ; 2051
Classificazione	82B1081V7082B2882B44
Disciplina	530.15
Soggetti	Mathematical physics Phase transformations (Statistical physics) Condensed materials Superconductivity Superconductors Mathematical Physics Quantum Gases and Condensates Strongly Correlated Systems, Superconductivity Cetraro <2010>
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Additional authors: Robert Seiringer; Jan Philip Solovej; Thomas Spencer.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1.Introduction to the Renormalization Group with Applications to Non-Relativistic Quantum Electron Gases. Vincent Rivasseau -- 2.Cold Quantum Gases and Bose-Einstein Condensation. Robert Seiringer -- 3. Quantum Coulomb gases. Jan Philip Solovej -- 4. SUSY Statistical Mechanics and Random Band Matrices. Thomas Spencer.
Sommario/riassunto	The book is based on the lectures given at the CIME school "Quantum many body systems" held in the summer of 2010. It provides a tutorial introduction to recent advances in the mathematics of interacting systems, written by four leading experts in the field: V. Rivasseau illustrates the applications of constructive Quantum Field Theory to 2D interacting electrons and their relation to quantum gravity; R. Seiringer

describes a proof of Bose-Einstein condensation in the Gross-Pitaevski limit and explains the effects of rotating traps and the emergence of lattices of quantized vortices; J.-P. Solovej gives an introduction to the theory of quantum Coulomb systems and to the functional analytic methods used to prove their thermodynamic stability; finally, T. Spencer explains the supersymmetric approach to Anderson localization and its relation to the theory of random matrices. All the lectures are characterized by their mathematical rigor combined with physical insights.

2. Record Nr.	UNISA996218688203316
Titolo	Inventory of Representative and Experimental WaterShed Studies Conducted in the United States
Pubbl/distr/stampa	[Place of publication not identified], : American Geophysical Union, 2013
ISBN	1-118-66894-4
Descrizione fisica	1 online resource (153 pages)
Disciplina	551.35
Soggetti	Watersheds - Research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph