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Titolo	Nonequilibrium statistical physics of small systems [[electronic resource]] : fluctuation relations and beyond // edited by Rainer Klages, Wolfram Just, and Christopher Jarzynski
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ISBN	3-527-65872-6 3-527-65870-X 1-299-15735-1 3-527-65873-4
Descrizione fisica	1 online resource (448 p.)
Collana	Reviews of nonlinear dynamics and complexity
Altri autori (Persone)	KlagesRainer JustW (Wolfram) JarzynskiChristopher
Disciplina	530.41
Soggetti	Nonequilibrium statistical mechanics
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Fluctuation relations -- pt. 2. Beyond fluctuation relations.
Sommario/riassunto	This book offers a comprehensive picture of nonequilibrium phenomena in nanoscale systems. Written by internationally recognized experts in the field, this book strikes a balance between theory and experiment, and includes in-depth introductions to nonequilibrium fluctuation relations, nonlinear dynamics and transport, single molecule experiments, and molecular diffusion in nanopores. The authors explore the application of these concepts to nano- and biosystems by cross-linking key methods and ideas from nonequilibrium statistical physics, thermodynamics, stochastic theory, and dynamical s