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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	The Fracture of ice -- Consistent Ice-Crushing Physics at Small and Large Scales: From Ice Skating to Ice-Induced Vibration of Structures -- Strength of Ice in Brittle Regime - Multiscale Modelling Approach -- Fatigue of Sea Ice: Classical and Non-Classical Behavior -- The Role of Broken Ice in Multi-scale Deformation -- A Statistical and Mechanical Analysis of Ice Friction Experiments using Acoustic Emissions.
Sommario/riassunto	This book presents the results of the IUTAM Symposium on Physics and Mechanics of Sea Ice which brought together researchers who have made significant contributions in the study of sea ice. The topics include: Fracture of ice, Thermodynamics of sea ice ridges, Global and local ice loads on ships and marine structures, Computational ice engineering and ice mechanics; and Physical and engineering problems related to ice and waves.