1. Record Nr. UNINA9910700710303321

Titolo	Enabling long-duration lunar equatorial operations with thermal wadi infrastructure [[electronic resource] /] / Heather L. Jones ... [and others] ; prepared for the 49th Aerospace Sciences Meeting sponsored by the American Institute of Aeronautics and Astronautics, Orlando, Florida, January 4-7, 2011
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , [2011]
Descrizione fisica	1 online resource (13 pages) : color illustrations
Collana	NASA/TM ; ; 2011-216994
Altri autori (Persone)	JonesHeather L
Soggetti	Roving vehicles Robotics Solar generators Cryogenic temperature Heat sources Lunar surface
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Oct. 14, 2011). "March 2011." "AIAA-2011-0703."
Nota di bibliografia	Includes bibliographical references (page 13).

2. Record Nr. UNINA9910777314003321

Titolo	Cell motility [[electronic resource] /] / edited by Peter Lenz
Pubbl/distr/stampa	New York ; ; London, : Springer, 2007
ISBN	1-281-13722-7 9786611137229 0-387-73050-8
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (268 p.)
Collana	Biological and medical physics, biomedical engineering
Altri autori (Persone)	LenzPeter <1970->
Disciplina	571.67
Soggetti	Cells - Motility
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Physics Of Listeria Propulsion -- Biophysical Aspects of Actin-Based Cell Motility in Fish Epithelial Keratocytes -- Directed Motility and Dictyostelium Aggregation -- Microtubule Forces and Organization -- Mechanisms of Molecular Motor Action and Inaction -- Molecular Mechanism of Mycoplasma Gliding - A Novel Cell Motility System -- Hydrodynamics and Rheology of Active Polar Filaments -- Collective Effects in Arrays of Cilia and Rotational Motors.
Sommario/riassunto	Cell motility is a fascinating example of cell behavior which is fundamentally important to a number of biological and pathological processes. It is based on a complex self-organized mechano-chemical machine consisting of cytoskeletal filaments and molecular motors. In general, the cytoskeleton is responsible for the movement of the entire cell and for movements within the cell. The main challenge in the field of cell motility is to develop a complete physical description on how and why cells move. For this purpose new ways of modeling the properties of biological cells have to be found. This long term goal can only be achieved if new experimental techniques are developed to extract physical information from these living systems and if theoretical models are found which bridge the gap between molecular and mesoscopic length scales. Cell Motility gives an authoritative overview of the fundamental biological facts, theoretical models, and current experimental developments in this fascinating area.