1. Record Nr. UNINA9910700751503321

Autore	Vargas Mario
Titolo	Experimental observations on the deformation and breakup of water droplets near the leading edge of an airfoil [[electronic resource] /] / Mario Vargas, Alex Feo ; prepared for the Atmospheric and Space Environments Conference sponsored by the American Institute of Aeronautics and Astronautics, Toronto, Ontario, Canada, August 2-5, 2010
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , [2011]
Descrizione fisica	1 online resource (34 pages) : color illustrations
Collana	NASA/TM ; ; 2011-216946
Altri autori (Persone)	FeoAlex
Soggetti	Airfoils Deformation Drops (liquids) Leading edges Water Supercooling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Oct. 11, 2011). "January 2011." "AIAA-2010-7670."
Nota di bibliografia	Includes bibliographical references (page 13).

2. Record Nr. UNINA9911015632503321

Autore	Li Baojun
Titolo	Biophotonic Manipulation / / edited by Baojun Li, Yuchao Li, Hongbao Xin
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9649-82-X
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (445 pages)
Collana	Advances in Optics and Optoelectronics, , 2731-6017
Altri autori (Persone)	LiYuchao XinHongbao
Disciplina	621.365
Soggetti	Nanophotonics Plasmonics Optoelectronic devices Optics Photonics Optical engineering Optical materials Nanophotonics and Plasmonics Optoelectronic Devices Light-Matter Interaction Applied Optics Photonics and Optical Engineering Optical Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Surface Plasmon Optical Tweezers for Biomanipulation -- 2. Optothermal Tweezers -- 3. Optical Micromanipulation with Structured Light Beams -- 4. Opto-Hydrodynamic Manipulation -- 5. Optical Biomanipulation using Optofluidic Techniques.
Sommario/riassunto	This book offers a thorough overview of the rapidly expanding field of biophotonic manipulation, delving into topics such as the fundamentals of optical forces, technologies of optical manipulation, and their applications in the biomedical field. The recent recognition of Arthur Ashkin with the Nobel Prize for his groundbreaking work on optical

tweezers has sparked a renewed interest and importance in the realm of optical manipulation. In response to this, the authors present a timely and comprehensive book that focuses on the basics and uses of various optical manipulation technologies, catering to a readership with a strong interest in this advancing field. This book not only enhances readers' current knowledge base but also serves as a valuable resource for researchers, scientists, and enthusiasts looking to gain a deeper understanding of the transformative power of optical manipulation.