

1. Record Nr.	UNINA9910557720303321
Autore	Wanless Erica
Titolo	Particles at Fluid Interfaces
Pubbl/distr/stampa	Frontiers Media SA, 2019
Descrizione fisica	1 online resource (197 p.)
Soggetti	Science: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact</p>

2. Record Nr.	UNINA9911046532803321
Autore	Marques Carlos
Titolo	Advanced Optical Sensors for Aerospace Applications / / edited by Carlos Marques, Raja V. L. N. Sridhar, Santosh Kumar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9516-26-9
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (545 pages)
Collana	Progress in Optical Science and Photonics, , 2363-510X ; ; 37
Disciplina	535
Soggetti	Optics Aerospace engineering Astronautics Materials Detectors Materials - Analysis Imaging systems Optics and Photonics Aerospace Technology and Astronautics Sensors and biosensors Imaging Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction to Optical Sensors in Aerospace Engineering -- 2. Basic Concepts of Light and Optics for Aerospace Sector -- 3. Optical Sensors for Structural Health Monitoring -- 4. FBG Sensor Applications in Aerospace Engineering -- 5. Optical Sensors for Aircraft Structural Health Monitoring.
Sommario/riassunto	This book presents the intricate world of advanced optical sensors specifically tailored for aerospace applications. Starting with the fundamental principles of optical sensing technology, it navigates through the latest innovations and advancements that have shaped the industry. Readers will discover how optical sensors play a pivotal role in avionics, remote sensing, and structural health monitoring, enhancing both safety and efficiency. The book also addresses the challenges and

limitations of currently available technologies while exploring future trends, including the integration of artificial intelligence. In addition to theoretical insights, the book includes case studies that showcase successful implementations, providing practical examples of how optical sensors are transforming aerospace operations. Ultimately, this book serves as a resource for engineers, researchers, and industry professionals looking to understand and advance the application of optical sensor technology in the aerospace sector.
