

1. Record Nr.	UNINA9910688220003321
Titolo	Graphene Production and Application / / edited by Sadia Ameen [and three others]
Pubbl/distr/stampa	London : , : IntechOpen, , 2020
Descrizione fisica	1 online resource (106 pages)
Disciplina	662.9
Soggetti	Graphene - Industrial applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Graphene is a super thin and strong material with potential to revolutionize the field of technology. As such, graphene is quickly attracting attention from researchers seeking to identify new concepts and applications of this "supermaterial." Graphene Production and Application is a comprehensive and easy-to-understand source of information on the advances in the growing research on graphene. Written by experts in the field, this book covers the topics of synthetic approaches, characterization techniques, and applications of graphene. It is ideally suited for a broad range of readers including students, instructors, and professionals.

2. Record Nr.	UNINA9910300381503321
Titolo	Coronal Magnetometry // edited by Steven Tomczyk, Jie Zhang, Timothy Bastian
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2014
ISBN	1-4939-2038-3
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (217 p.)
Disciplina	500.5 520 523.75 530 551.5
Soggetti	Space sciences Atmospheric science Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Atmospheric Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously published in Solar Physics Volume 288, issue 2, 2013 and volume 289, issue 8, 2014.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- From Forbidden Coronal Lines to Meaningful Coronal Magnetic Fields -- Magnetic Field Extrapolations into the Corona: Success and Future Improvements -- Three-Dimensional Nonlinear Force-Free Field Reconstruction of Solar Active Region 11158 by Direct Boundary Integral Equation -- Magnetic Field Diagnostics and Spatio-Temporal Variability of the Solar Transition Region -- Magnetography of Solar Flaring Loops with Microwave Imaging Spectropolarimetry -- Measuring the Magnetic-Field Strength of the Quiet Solar Corona Using "EIT Waves" -- Observations of a Quasi-periodic, Fast-Propagating Magnetosonic Wave in Multiple Wavelengths and Its Interaction with Other Magnetic Structures -- Coronal Cavity Survey: Morphological Clues to Eruptive Magnetic Topologies -- Polarimetric Properties of Flux Ropes and Sheared Arcades in Coronal Prominence Cavities -- Observations of Coronal Mass Ejections with the Coronal Multichannel

Polarimeter -- Near-Limb Zeeman and Hanle Diagnostics -- 3D
Coronal Density Reconstruction and Retrieving the Magnetic Field
Structure during Solar Minimum.

Sommario/riassunto

This volume is a collection of research articles on the subject of the solar corona, and particularly, coronal magnetism. The book was motivated by the Workshop on Coronal Magnetism: Connecting Models to Data and the Corona to the Earth, which was held 21 - 23 May 2012 in Boulder, Colorado, USA. This workshop was attended by approximately 60 researchers. Articles from this meeting are contained in this topical issue, but the topical issue also contains contributions from researchers not present at the workshop. This volume is aimed at researchers and graduate students active in solar physics. Originally published in Solar Physics, Vol. 288, Issue 2, 2013 and Vol. 289, Issue 8, 2014.
