

1. 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.

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**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.

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