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Autore	Duldig Marc
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Nota di contenuto	Editors; Reviewers; CONTENTS; ULF Waves: Exploring the Earth's Magnetosphere B. J. Fraser; 1. Introduction; 2. Wave Equations; 3. Modes of Propagation; 4. Hydromagnetic Waves in a General Axisymmetric Dipole Field Geometry; 5. ULF Wave Propagation and Resonance; 5.1. Standing Alfvén wave propagation in a realistic magnetosphere; 5.2. Cavity waveguide modes; 6. Drift and Bounce Resonance; 7. Mode Coupling in the Magnetosphere; 8. Energy Sources; 8.1. Transfer of ULF wave power into the magnetosphere; 8.2. Energy sources for Pc3 ULF waves; 9. ULF Wave Propagation Through the Ionosphere 10. Heavy Ion Effects on Field Line Resonance 11. Remote Sensing the Magnetosphere Using Ground-Based Observations of ULF Waves; 12. Summary; References; New Sunrise of Solar Physics Galvanized by the Hinode Mission Tetsuya Watanabe and Hinode Science Team; 1. Introduction; Successful Launch of Hinode; 2. Instrumentation; 2.1. Solar optical telescope (SOT); 2.2. X-ray telescope (XRT); 2.3. EUV imaging spectrometer (EIS); 3. Brief Summary of Initial Results; 3.1.

Telescope performance; 3.2. New discoveries by the Hinode mission; 4. Summary; Acknowledgments; References  
3. Signatures of Reconnection in Flares4. Signatures of Reconnection in CMEs; 5. Physical Parameters of Reconnection; 6. Conclusions; Acknowledgments; References; Thickness and Electrical Resistivity of the Current Sheets in Solar Eruptions Jun Lin; 1. Introduction; 2. Properties of the Current Sheets Undergoing Tearing; 3. Observations and Results; 3.1. The 8-10 January 2002 event; 3.2. The 18-19 November 2003 event; 3.3. The 23 March 1998 event; 4. Electrical Resistivity of the Reconnecting Current Sheets; 5. Discussions and Conclusions; Acknowledgments; References  
Dynamics of Beam-Plasma Instability and Langmuir Wave Decay in Two-Dimensions L. F. Ziebell, R. Gaelzer and P. H. Yoon1. Introduction; 2. Theoretical Formulation and Numerical Setup; 3. Numerical Results and Analysis; 4. Conclusion; Acknowledgments; References;  
Superthermal Electron Distributions in the Solar Wind Environment R. Gaelzer, P. H. Yoon, L. F. Ziebell and A. F. Vi nas; 1. Introduction; 2. WIND/SWE-VEIS Electron Observations; 3. Theory and Results; 3.1. Asymmetric tail; 3.2. Symmetric tail; 4. Conclusions and Discussion; Acknowledgments; References  
Solar Radio Burst Fine Structures in 1-7.6GHz Ranges Yihua Yan

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Sommario/riassunto

Advances in Geosciences is the result of a concerted effort to bring together the latest results and planning activities related to earth and space science in Asia and the international arena. The volume editors are all leading scientists in their research fields covering six sections: Atmospheric Science (AS), Hydrological Science (HS), Ocean Science (OS), Solid Earth (SE), Solar Terrestrial (ST) and Planetary Science (PS). The main purpose is to highlight the scientific issues essential to the study of earthquakes, tsunamis, atmospheric dust storms, climate change, drought, flood, typhoons,

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2. Record Nr.	UNINA9910700705903321
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Descrizione fisica	1 online resource (49 pages) : color illustrations
Collana	NASA/TM ; ; 2011-216963
Altri autori (Persone)	MercerCarolyn R (Carolyn Regan)
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