

1. Record Nr.	UNINA9910799217303321
Titolo	Solar-Terrestrial Relations and Physics of Earthquake Precursors : Proceedings of the XIII International Conference / / Alexei Dmitriev [and three others], editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-50248-5
Edizione	[First edition.]
Descrizione fisica	1 online resource (301 pages)
Collana	Springer Proceedings in Earth and Environmental Sciences Series
Disciplina	538.76
Soggetti	Solar-terrestrial physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Atmosphere Physics -- Analysis of Ionospheric Parameters During Solar Events and Magnetic Storms -- 1 Introduction -- 2 Generalized Multicomponent Model of Ionospheric Parameters and a Method for Detecting Ionospheric Disturbances -- 2.1 Regular Component of the Model and a Method for Detecting Intense Ionospheric Disturbances -- 2.2 Anomalous Component of the Model and a Method for Detecting Shot-Period Ionospheric Disturbances -- 3 Experimental Results and Discussion -- 4 Conclusions -- References -- Estimation of Characteristics of Atmospheric Ionization Rates Taking into Account Different Energies of Precipitating Electrons -- 1 Introduction -- 2 Ionization Rates Taking into Account Electrons with Initial Energy from Several of keV Up to Several MeV -- 3 Conclusions -- References -- Dust Plasma in the Region of Active Influence on the Ionosphere -- 1 Introduction -- 2 Method -- 3 Results -- 4 Concluding Remarks -- References -- Ozone Dynamics During Geomagnetic and Meteorological Disturbances in October 2015 and 2018 -- 1 Introduction -- 2 Data and Selections of Event -- 3 Ozone in the Mesosphere and Lower Thermosphere -- 4 Discussion -- 5 Conclusion -- References -- Observations of the Meteoric Aerosol in the Stratosphere Above Tomsk in August 2013 -- 1 Introduction -- 2 Experimental Data and the Procedure of Trajectory Analysis -- 3 Results of the Lidar Observations of Aerosol

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2. Record Nr.	UNIORUON00340365
Autore	LOVINESCU, Eugen
Titolo	Istoria literaturii romane contemporane / Eugen Lovinescu ; Editie ingrijita de Eugen Simion
Pubbl/distr/stampa	Bucuresti, : Minerva, 1973
Descrizione fisica	2 v. ; 21 cm.
Disciplina	859
Soggetti	Letteratura romena Letteratura romena - Storia
Lingua di pubblicazione	Rumeno
Formato	Materiale a stampa
Livello bibliografico	Monografia