

Bibliography from ADS file: ryutova.bib
 September 14, 2022

- Ryutova, M.: 2018, *Physics of Magnetic Flux Tubes*, Vol. 455 2018ASSL..455....R [ADS](#)
- Ryutova, M.: 2015, *Physics of Magnetic Flux Tubes*, Vol. 417 2015ASSL..417....R [ADS](#)
- Hagenaar, H., Shine, R., Ryutova, M., & Dalda, A. S., ‘‘Signatures of Moving Magnetic Features in and above the Photosphere’’, 2012ASPC..454..181H [ADS](#)
- Ryutova, M., Berger, T., Frank, Z., Title, A., & Tarbell, T., ‘‘Plasma Instabilities in Quiescent Prominences’’, 2012ASPC..454..143R [ADS](#)
- Ryutova, M., Frank, Z., Hagenaar, H., & Berger, T., ‘‘Flares Producing Well-organized Post-flare Arcades (Slinkies) Have Early Precursors’’, 2011ApJ...733..125R [ADS](#)
- Ryutova, M., Berger, T. E., & Title, A. M., ‘‘Greenhouse effect in quiescent prominences’’, 2010AGUFMSH51A1664R [ADS](#)
- Ryutova, M., Berger, T., Frank, Z., Tarbell, T., & Title, A., ‘‘Observation of Plasma Instabilities in Quiescent Prominences’’, 2010SoPh..267...75R [ADS](#)
- Ryutova, M., Berger, T., Frank, Z., & Title, A., ‘‘Response of the Chromosphere to Penumbral Dynamics: Bow Shocks and Microjets’’, 2009ASPC..415..373R [ADS](#)
- Ryutova, M., Berger, T., & Title, A., ‘‘Sunspot Penumbrae: Formation and Fine Structure’’, 2009ASPC..415..361R [ADS](#)
- Ryutova, M., Frank, Z., & Berger, T., ‘‘Formation and Dynamics of Multi-thread Arcades of Coronal Loops’’, 2009ASPC..415..291R [ADS](#)
- Frank, Z., Ryutova, M., Berger, T. E., Title, A. M., & Tarbell, T. D., ‘‘Role of the Resistive and Thermal Instabilities in Dynamics of Quiescent Prominences’’, 2009AGUFMSH41B1653F [ADS](#)
- Shine, R. A., Ryutova, M., Berger, T. E., et al., ‘‘Helical Shape and Twisting Motion as Intrinsic Properties of Penumbral Filaments’’, 2009AGUFMSH23B1541S [ADS](#)
- Ryutova, M., Berger, T. E., Tarbell, T. D., Frank, Z., & Title, A. M., ‘‘Origin of Filamentary Structures and Flows in Quiescent Prominences’’, 2009AGUFMSH23B1540R [ADS](#)
- Ryutova, M., Berger, T., Frank, Z., & Title, A., ‘‘On the Penumbral Jetlike Features and Chromospheric Bow Shocks’’, 2008ApJ...686.1404R [ADS](#)
- Ryutova, M., Berger, T., Lites, B., Title, A., & Frank, Z., ‘‘Evershed Flows as an Integral Part of Penumbral Formation and its Fine Structure’’, 2008AGUIMSP41B..07R [ADS](#)
- Ryutova, M., Berger, T., & Title, A., ‘‘On the Fine Structure and Formation of Sunspot Penumbrae’’, 2008ApJ...676.1356R [ADS](#)
- Ryutova, M., Berger, T., Tarbell, T., Frank, Z., & Title, A., ‘‘On the Chromospheric Micro-jets Associated with the Penumbral Filaments’’, 2007AGUFMSH22A0843R [ADS](#)
- Frank, Z. & Ryutova, M., ‘‘Transient Phenomena in Multi-thread Arcades of Coronal Loops’’, 2007AGUFMSH22A0842F [ADS](#)
- Ryutova, M. & Hagenaar, H., ‘‘Magnetic Solitons: Unified Mechanism for Moving Magnetic Features’’, 2007SoPh..246..281R [ADS](#)
- Ryutova, M., Berger, T., Tarbell, T., Frank, Z., & Title, A., ‘‘Penumbral Dynamics and its Manifestation in the Overlying Chromosphere’’, 2007APS..DPPYP8056R [ADS](#)
- Ryutova, M. P., Hagenaar, H., & Title, A., ‘‘Anticorrelation between Moving Magnetic Features and Coronal Loop Formation’’, 2007ApJ...656L..45R [ADS](#)
- Ryutova, M., ‘‘Coupling effects throughout the solar atmosphere: 2. Model of energetically open circuit’’, 2006JGRA..111.9102R [ADS](#)
- Ryutova, M. & Shine, R., ‘‘Coupling effects throughout the solar atmosphere: Emerging magnetic flux and structure formation’’, 2006JGRA..111.3101R [ADS](#)
- Tarbell, T. & Ryutova, M., ‘‘Self-focusing of Shocks and Hydrodynamic Cumulation in the Solar Atmosphere’’, 2005AGUFMSH53A1251T [ADS](#)
- Ryutova, M. P. & Hagenaar, M., ‘‘Tadpoles in Sunspot Penumbrae’’, 2005AGUFMSH11A0239R [ADS](#)
- Ryutova, M. P. & Hagenaar, H. J., ‘‘Unified Mechanism for the Formation of Moving Magnetic Features’’, 2005AGUIMSP31A..04R [ADS](#)
- Ryutova, M. P., ‘‘Energy Transfer and the Acoustic Wave Packets in Randomly Magnetized Solar Atmosphere’’, 2005AGUIMSH13C..09R [ADS](#)
- Ryutova, M. & Shine, R., ‘‘Response of the Corona to Magnetic Activity in Underlying Plage Regions’’, 2004ApJ...606..571R [ADS](#)
- Ryutova, M. & Shine, R., ‘‘Magnetic Coupling Between the Solar Surface and Corona: Theory and Observations’’, 2004AIPC..703..203R [ADS](#)
- Ryutova, M. P. & Tarbell, T. D., ‘‘MHD Shocks: The Origin of the Solar Transition Region and Coronal Sporadic Events’’, 2004ESASP.547..239R [ADS](#)
- Ryutova, M. P., ‘‘Coronal Loops as Van der Pol Oscillators: Theory and Observations’’, 2003SPD...34.0402R [ADS](#)
- Ryutova, M. & Tarbell, T., ‘‘MHD Shocks and the Origin of the Solar Transition Region’’, 2003PhRvL..90s1101R [ADS](#)
- Ryutova, M., Tarbell, T. D., & Shine, R., ‘‘Interaction and Dynamics of the Photospheric Network Magnetic Elements’’, 2003SoPh..213..231R [ADS](#)
- Hwang, D., Horton, R., & Ryutova, M., ‘‘Laboratory Simulation of Small-scale Coronal Plasmoids’’, 2002AGUFMSH32D..05H [ADS](#)
- Ryutova, M., ‘‘Large-scale Coronal Loop Formation: New Aspects’’, 2002AGUFMSH32D..04R [ADS](#)
- Ryutova, M. P., ‘‘Self-organized Structures in the Solar Corona’’, 2001AGUFMSH11A0701R [ADS](#)
- Ryutova, M. P. & Tarbell, T. D., ‘‘On the Magnetic Energy Avalanche in the Solar Atmosphere’’, 2001Ap&SS..277..153R [ADS](#)
- Ryutova, M., Habbal, S., Woo, R., & Tarbell, T., ‘‘Photospheric Network as the Energy Source for the quiet-Sun corona’’, 2001SoPh..200..213R [ADS](#)
- Ryutova, M. P., Shine, R., & Tarbell, T. D., ‘‘Formation of Compact Coronal Structures Associated with the Emerging Magnetic Flux’’, 2001AGUFMS..SH32C01R [ADS](#)
- Ryutova, M. P. & Tarbell, T. D., ‘‘On the Transition Region Explosive Events’’, 2000ApJ...541L..29R [ADS](#)
- Ryutova, M. P. & Tarbell, T. D., ‘‘Observation of Shocks in the Chromosphere and Transition Region’’, 2000SPD....31.0141R [ADS](#)
- Tarbell, T. D., Ryutova, M., & Shine, R., ‘‘Electro-Mechanical Coupling Between the Photosphere and Transition Region’’, 2000SoPh..193..195T [ADS](#)
- Tarbell, T., Ryutova, M. P., Covington, J., & Fludra, A., ‘‘Heating and jet formation by colliding shocks in solar atmosphere’’, 1999AIPC..471..419T [ADS](#)
- Ryutova, M. P., Habbal, S. R., Woo, R., & Tarbell, T., ‘‘Magnetic energy avalanche as the source of the fast wind’’, 1999AIPC..471..227R [ADS](#)
- Ryutova, M. & Tarbell, T., ‘‘Plasma Streaming and Explosive Events in the Solar Transition Region: Theory and Observations’’, 1999AA...194.7803R [ADS](#)
- Tarbell, T., Ryutova, M., Covington, J., & Fludra, A., ‘‘Heating and Jet Formation by Hydrodynamic Cumulation in the Solar Atmosphere’’, 1999ApJ...514L..47T [ADS](#)
- Ryutova, M. & Scherrer, P., ‘‘A New Method for Diagnostics of Solar Magnetic Fields and Flows from Time-Distance Analysis’’, 1998ApJ...494..438R [ADS](#)
- Ryutova, M., ‘‘Raman spectroscopy of solar p-modes’’, 1998IAUS..185..213R [ADS](#)
- Ryutova, M., Shine, R., Title, A., & Sakai, J. I., ‘‘A Possible Mechanism for the Origin of Emerging Flux in the Sunspot Moat’’, 1998ApJ...492..402R [ADS](#)
- Ryutova, M., ‘‘Estimate of the Energy Flux from Time-Distance Analysis’’, 1997ApJ...490L.111R [ADS](#)
- Sakai, J. I., Ryutova, M., Schrijver, K., et al., ‘‘On the Dynamics of Magnetic Flux Concentrations in Quiet Photospheric Network.’’, 1997SPD...28.0260S [ADS](#)
- Ryutova, M. & Scherrer, P., ‘‘Convective Flow Patterns in Time-Distance Measurements and ‘‘Magnetic Corrections’’ in Vertically Stratified Atmosphere.’’, 1997SPD...28.0204R [ADS](#)
- Sakai, J. I., Ryutova, M., Schrijver, K., et al., ‘‘On the dynamics of magnetic flux concentrations in quiet photospheric network.’’, 1997BAAS...29T.904S [ADS](#)
- Ryutova, M. P. & Tarbell, T. D., ‘‘On the Acoustic Emission in the Quiet Sun’’, 1997AA...18912001R [ADS](#)
- Ryutova, M., ‘‘A New Method for Diagnostics of Subsurface Magnetic Fields and Flows from Time-Distance Analysis’’, 1996AA...188.7902R [ADS](#)
- Sakai, J.-I., Shine, R., Title, A., & Ryutova, M., ‘‘A Possible Mechanism for the Origin Emerging Flux in the Sunspot Moat’’, 1996AA...188.3502S [ADS](#)
- Ryutova, M. P., Kaisig, M., & Tajima, T., ‘‘The Evolution of Magnetic Structures Due to ‘‘Magnetosonic Streaming’’’’, 1996ApJ...459..744R [ADS](#)
- Ryutova, M., ‘‘The ‘‘Magnetosonic Streaming’’’’, 1996ApL&C..34..71R [ADS](#)
- Ryutova, M. P. & Habbal, S. R., ‘‘The Effects on Mass Flows on the Dissipation of Alfvén Waves in the Upper Layers of the Solar Atmosphere’’, 1995ApJ...451..381R [ADS](#)
- Ryutova, M., ‘‘Effects of highly intermittent magnetic fields and plasma flows on solar wind dynamics’’, 1995sowi.confR..27R [ADS](#)
- Ryutova, M., ‘‘Acoustic Waves in Random Ensembles of Magnetic Fluxes’’, 1995ESASP.376b..83R [ADS](#)
- Ryutova, M., Kaisig, M., & Tajima, T., ‘‘The Evolution of Magnetic Flux Tube Due to Magnetosonic Streaming’’, 1994AA...18512402R [ADS](#)
- Ryutova, M., ‘‘Dynamics of Flux Tube Ensembles’’, 1994ASPC...68..118R [ADS](#)
- Labonte, B. J. & Ryutova, M., ‘‘A Possible Mechanism for Enhanced Absorption of p-Modes in Sunspot and Plage Regions’’, 1993ApJ...419..388L [ADS](#)

- Ryutova, M. P. & Priest, E. R., "The Propagation of Sound Waves in a Randomly Magnetized Medium. II. The Interaction of an Unsteady Wave Packet with an Ensemble of Magnetic Flux Tubes", 1993ApJ...419..371R [ADS](#)
- Ryutova, M. P. & Priest, E. R., "The Propagation of Sound Waves in a Randomly Magnetized Medium. I. General Considerations", 1993ApJ...419..349R [ADS](#)
- Ryutova, M. & Sakai, J. I., "Nonlinear kink oscillations of a magnetic flux tube.", 1993JETPL..58..507R [ADS](#)
- Labonte, B. J. & Ryutova, M., "Enhanced absorption of p -modes in sunspot and plage regions.", 1993ppcn.conf..275L [ADS](#)
- Ryutova, M. & Priest, E., "Unsteady Wave-Packet in the Random Ensemble of Magnetic Flux Tubes: Acoustic Halos", 1993ASPC...46..554R [ADS](#)
- Ryutova, M., "Generation of Plasma Flows and Filamentation of Magnetic Fields in Solar Atmosphere", 1993ASPC...46..549R [ADS](#)
- Ryutova, M., Kaisig, M., & Tajima, T., "Propagation of Magnetoacoustic Waves in the Solar Atmosphere with Random Inhomogeneities of Density and Magnetic Fields", 1991ApJ...380..268R [ADS](#)
- Ryutova, M., Kaisig, M., & Tajima, T., "The Enhanced Dissipation of Sound Waves in Sunspot and Plage Regions", 1991BAAS...23R1050R [ADS](#)
- Ryutova, M., "Explosive Instability in Solar Coronal Loops", 1991mcch.conf..159R [ADS](#)
- Kaisig, M., Tajima, T., & Ryutova, M., "Absorption of Magnetoacoustic Waves in the Solar Atmosphere with Random Inhomogeneities of Density and Magnetic Fields", in Y. Uchida, R. C. Canfield, T. Watanabe, and E. Hiei (Eds.), Flare Physics in Solar Activity Maximum 22, Vol. 387, 287 1991LNP...387..287K [ADS](#)
- Ryutova, M., Kaisig, M., & Tajima, T.: 1990a, *Propagation of magnetoacoustic waves in the solar atmosphere with random inhomogeneities of density and magnetic fields* 1990STIN...9110831R [ADS](#)
- Ryutova, M., Kaisig, M., & Tajima, T., "Nonlinear magnetosonic waves in an inhomogeneous plasma.", 1990ESASP.311..339R [ADS](#)
- Ryutova, M., Kaisig, M., & Tajima, T., "Interaction of Acoustic Waves with Cluster of Solar Magnetic Flux Tubes", 1990BAAS...22..854R [ADS](#)
- Ryutova, M. P., "Waves and Oscillations in Magnetic Fluxtubes", 1990IAUS..138..229R [ADS](#)
- Ryutov, D. D. & Ryutova, M. P., "Magnetic field generation by sound waves in the solar atmosphere.", 1989JETP...69..965R [ADS](#)
- Ryutova, M. P., "MHD-waves and their nonlinear interaction in a plasma with magnetic flux tubes.", 1989plap.work..77R [ADS](#)
- Ryutova, M. P., "Negative-energy waves in a plasma with structured magnetic fields", 1988JETP...67.1594R [ADS](#)
- Ryutova, M. P., "Generation of Plasma Flows by Oscillations of Magnetic Flux Tubes", 1986ESASP.251..71R [ADS](#)
- Ryutov, D. D. & Ryutova, M. P., "The role of "magnetic threads" in the dynamics of the solar chromosphere.", 1979IGAFS..48..118R [ADS](#)
- Ryutov, D. A. & Ryutova, M. P., "Sound oscillations in a plasma with "magnetic filaments""", 1976JETP...43..491R [ADS](#)