

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

- Steinhagen, J., Berger, L., Heidrich-Meisner, V., Marsch, E., & Wimmer-Schweingruber, R. F., “Evaluating Electrostatic Analyser measurements of 3D Solar Wind Velocity Distributions: The SIRTH Method”, 2020AGUFMSH013..01S ADS
- SPICE Consortium, Anderson, M., Appourchaux, T., et al., “The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer”, 2020A&A...642A..14S ADS
- Horbury, T. S., O’Brien, H., Carrasco Blazquez, I., et al., “The Solar Orbiter magnetometer”, 2020A&A...642A...9H ADS
- Rochus, P., Auchère, F., Berghmans, D., et al., “The Solar Orbiter EUV instrument: The Extreme Ultraviolet Imager”, 2020A&A...642A...8R ADS
- Müller, D., St. Cyr, O. C., Zouganelis, I., et al., “The Solar Orbiter mission. Science overview”, 2020A&A...642A...1M ADS
- He, J., Peter, H., Vocks, C., et al., “Kinetic Simulation of Slow Magnetosonic Waves and Quasi-Periodic Upflows in the Solar Corona”, 2018cosp...42E1405H ADS
- Marsch, E., “Solar Wind and Kinetic Heliophysics - Hannes Alfvén Medal Lecture at the EGU General Assembly 2018”, 2018EGUGA...20.1790M ADS
- Keilbach, D., Berger, L., Drews, C., Marsch, E., & Wimmer-Schweingruber, R. F., “Numerical study of alfvénic wave activity in the solar wind as a cause for pitch angle scattering with focus on kinetic processes”, 2017AGUFMSH33B2785K ADS
- Keilbach, D., Drews, C., Berger, L., Marsch, E., & Wimmer-Schweingruber, R. F., “Qualitative numerical studies of the modification of the pitch angle distribution of test particles by alfvénic wave activity”, 2017AGUFMSH33B2768K ADS
- Yang, L., He, J., Tu, C., et al., “Influence of Intermittency on the Quasi-perpendicular Scaling in Three-dimensional Magnetohydrodynamic Turbulence”, 2017ApJ...846...49Y ADS
- Yang, L., He, J., Tu, C., et al., “Multiscale Pressure-Balanced Structures in Three-Dimensional Magnetohydrodynamic Turbulence”, 2017ApJ...836...69Y ADS
- He, J., Ruan, W., Zhang, L., et al., “A Form of Nascent Solar Wind Outflow: Beam flow Generated by Slow-Mode Waves Through Landau Resonance in the Weakly Collisional Solar Atmosphere”, 2016AGUFMSH51B2589H ADS
- Liping, Y., He, J., Li, S., et al., “Multi-scale Pressure-balanced Structures and Influence of Intermittency on the Perpendicular Spectrum in Three-dimensional Magnetohydrodynamic Turbulence”, 2016AGUFMSH41A2524L ADS
- Wang, X., Tu, C., He, J., Marsch, E., & Wang, L., “Spectral Anisotropy of Magnetic Field Fluctuations around Ion Scales in the Fast Solar Wind”, 2016AGUFMSH41A2520W ADS
- Wu, H., Wang, X., Tu, C., et al., “The anisotropy of sunward-propagating Alfvénic fluctuations with power-law spectra observed by Wind spacecraft”, 2016AGUFMSH41A2515W ADS
- Ruan, W., He, J., Zhang, L., et al., “Kinetic Simulation of Slow Magnetosonic Waves and Quasi-Periodic Upflows in the Solar Corona”, 2016ApJ...825...58R ADS
- Pei, Z., He, J., Wang, X., et al., “Influence of intermittency on the anisotropy of magnetic structure functions of solar wind turbulence”, 2016JGRA...121...911P ADS
- Yan, L., He, J., Zhang, L., et al., “Spectral Anisotropy of Elsässer Variables in Two-dimensional Wave-vector Space as Observed in the Fast Solar Wind Turbulence”, 2016ApJ...816L...24Y ADS
- Wang, X., Tu, C., Marsch, E., He, J., & Wang, L., “Scale-dependent Normalized Amplitude and Weak Spectral Anisotropy of Magnetic Field Fluctuations in the Solar Wind Turbulence”, 2016ApJ...816...15W ADS
- Yang, L., He, J., Peter, H., et al., “A Numerical Investigation of the Recurrent High-speed Jets as a Possibility of Solar Wind Origin”, 2015arXiv151201868Y ADS
- Wu, H., Wang, X., Wang, L., et al., “Alfvénic fluctuations with power-law spectra propagating sunward within the region from L1 to the Earth’s bow shock”, 2015AGUFMSH33A2449W ADS
- Wang, X., Tu, C. Y., & Marsch, E., “No evidence that solar wind turbulence can be described by the critical balance theory”, 2015AGUFMSH33A2448W ADS
- Wang, X., Tu, C. Y., He, J., et al., “Low-Amplitude Solar Wind Turbulence: Spectral Features”, 2015AGUFMSH33A2447W ADS
- He, J., Tu, C., Marsch, E., et al., “Proton Heating in Solar Wind Compressible Turbulence with Collisions between Counter-propagating Waves”, 2015ApJ...813L...30H ADS
- Wang, X., Tu, C., He, J., et al., “The Spectral Features of Low-amplitude Magnetic Fluctuations in the Solar Wind and Their Comparison with Moderate-amplitude Fluctuations”, 2015ApJ...810L...21W ADS
- Yang, L., Zhang, L., He, J., et al., “The Formation of Rotational Discontinuities in Compressive Three-dimensional MHD Turbulence”, 2015ApJ...809...155Y ADS
- He, J., Wang, L., Tu, C., Marsch, E., & Zong, Q., “Parallel and perpendicular heating of solar wind protons by kinetic waves as observed from the WIND spacecraft”, 2015shin.confE.133H ADS
- He, J., Tu, C., Marsch, E., et al., “Observations of counter-propagating waves and associated proton kinetics in the solar wind turbulence”, 2015shin.confE.111H ADS
- He, J., Pei, Z., Wang, L., et al., “Sunward Propagating Alfvén Waves in Association with Sunward Drifting Proton Beams in the Solar Wind”, 2015ApJ...805...176H ADS
- Wang, X., Tu, C., Wang, L., He, J., & Marsch, E., “The upstream-propagating Alfvénic fluctuations with power law spectra in the upstream region of the Earth’s bow shock”, 2015GeoRL...42.3654W ADS
- Narita, Y. & Marsch, E., “Kinetic Slow Mode in the Solar Wind and Its Possible Role in Turbulence Dissipation and Ion Heating”, 2015ApJ...805...24N ADS
- Zhang, L., He, J., Tu, C., et al., “Occurrence Rates and Heating Effects of Tangential and Rotational Discontinuities as Obtained from Three-dimensional Simulation of Magnetohydrodynamic Turbulence”, 2015ApJ...804L...43Z ADS
- He, J., Wang, L., Tu, C., Marsch, E., & Zong, Q., “Evidence of Landau and Cyclotron Resonance between Protons and Kinetic Waves in Solar Wind Turbulence”, 2015ApJ...800L...31H ADS
- He, J., Pei, Z. T., Wang, L., et al., “Observation of Counter Propagating Alfvén Waves with Perpendicular Polarizations and the Associated Proton Kinetics”, 2014AGUFMSH53C...07H ADS
- Wang, X., Tu, C. Y., He, J., Marsch, E., & Wang, L., “The isotropic nature of the background turbulence spectra in the solar wind”, 2014AGUFMSH51A4149W ADS
- Wang, X., Tu, C. Y., He, J., Marsch, E., & Wang, L., “The anisotropic nature of the intermittent turbulence spectra in the solar wind”, 2014AGUFMSH51A4139W ADS
- Berger, L., Marsch, E., & Wimmer-Schweingruber, R. F., “A Survey of Velocity Distributions of Solar Wind Ions : ACE/SWICS observations”, 2014AGUFMSH33A4135B ADS
- Perrone, D., Bourouaine, S., Valentini, F., Marsch, E., & Veltri, P., “Generation of temperature anisotropy for alpha particle velocity distributions in solar wind at 0.3 AU: Vlasov simulations and Helios observations”, 2014JGRA...119.2400P ADS
- Wang, X., Tu, C., He, J., Marsch, E., & Wang, L., “The Influence of Intermittency on the Spectral Anisotropy of Solar Wind Turbulence”, 2014ApJ...783L...9W ADS
- Maneva, Y. G., Araneda, J. A., & Marsch, E., “Regulation of Ion Drifts and Anisotropies by Parametrically Unstable Finite-amplitude Alfvén-cyclotron Waves in the Fast Solar Wind”, 2014ApJ...783...139M ADS
- Yao, S., He, J. S., Tu, C. Y., Wang, L. H., & Marsch, E., “Small-scale Pressure-balanced Structures Driven by Mirror-mode Waves in the Solar Wind”, 2013ApJ...776...94Y ADS
- Yao, S., He, J. S., Tu, C. Y., Wang, L. H., & Marsch, E., “Small-scale Pressure-balanced Structures Driven by Oblique Slow Mode Waves Measured in the Solar Wind”, 2013ApJ...774...59Y ADS
- He, J., Tu, C., Marsch, E., Bourouaine, S., & Pei, Z., “Radial Evolution of the Wavevector Anisotropy of Solar Wind Turbulence between 0.3 and 1 AU”, 2013ApJ...773...72H ADS
- Wang, X., Tu, C., He, J., Marsch, E., & Wang, L., “On Intermittent Turbulence Heating of the Solar Wind: Differences between Tangential and Rotational Discontinuities”, 2013ApJ...772L...14W ADS
- Yang, L., He, J., Peter, H., et al., “Injection of Plasma into the Nascent Solar Wind via Reconnection Driven by Supergranular Advection”, 2013ApJ...770...6Y ADS
- Marsch, E. & Tu, C., “Diffusion in velocity space of solar wind protons exposed to parallel and oblique plasma waves”, 2013AIPC.1539...243M ADS
- “SOLAR WIND 13: Proceedings of the Thirteenth International Solar Wind Conference”, 2013AIPC.1539...Z ADS
- Araneda, J. A., Astudillo, H., & Marsch, E., “Interactions of Alfvén-Cyclotron Waves with Ions in the Solar Wind”, in D. Burgess, J. Drake, E. Marsch, R. von Steiger, M. Velli, and T. Zurbuchen (Eds.), Multi-scale Physics in Coronal Heating and Solar Wind Acceleration. Series: Space Sciences Series of ISSI, Vol. 38, 361–372 2013mspc.book...361A ADS
- Marsch, E., “Helios: Evolution of Distribution Functions 0.3textendash1 AU”, in D. Burgess, J. Drake, E. Marsch, R. von Steiger, M. Velli, and T. Zurbuchen (Eds.), Multi-scale Physics in Coronal Heating and Solar Wind Acceleration. Series: Space Sciences Series of ISSI, Vol. 38, 23–39 2013mspc.book...23M ADS
- Burgess, D., Drake, J., Marsch, E., et al., “Foreword”, in D. Burgess, J. Drake, E. Marsch, R. von Steiger, M. Velli, and T. Zurbuchen (Eds.), Multi-scale Physics in Coronal Heating and Solar Wind Acceleration. Series: Space Sciences Series of ISSI, Vol. 38, 1–3 2013mspc.book...1B ADS

- Burgess, D., Drake, J., Marsch, E., et al.: 2013b, *Multi-scale Physics in Coronal Heating and Solar Wind Acceleration* 2013mspc.book...B ADS
- Yao, S., Tu, C., He, J., & Marsch, E., “The angle distribution of the small scale pressure-balanced structures in the solar wind”, 2012AGUFMSH51B2234Y ADS
- Ruiz, M. E., Dasso, S., Matthaeus, W. H., Weygand, J. M., & Marsch, E., “Magnetic Correlation Lengths in the Turbulent Solar Wind”, 2012AGUFMSH51B2233R ADS
- Araneda, J. A., Astudillo, H., & Marsch, E., “Interactions of Alfvén-Cyclotron Waves with Ions in the Solar Wind”, 2012SSRv...172...361A ADS
- Marsch, E., “Helios: Evolution of Distribution Functions 0.3-1 AU”, 2012SSRv...172...23M ADS
- Burgess, D., Drake, J., Marsch, E., et al., “Foreword”, 2012SSRv...172...1B ADS
- Gupta, G. R., Teriaca, L., Marsch, E., Solanki, S. K., & Banerjee, D., “Spectroscopic observations of propagating disturbances in a polar coronal hole: evidence of slow magneto-acoustic waves”, 2012A&A...546A...93G ADS
- Verscharen, D., Marsch, E., Motschmann, U., & Müller, J., “Parametric decay of oblique Alfvén waves in two-dimensional hybrid simulations”, 2012PhRvE...86b7401V ADS
- Gupta, G. R., Marsch, E., Solanki, S. K., Banerjee, D., & Teriaca, L., “Spectroscopic Observations of Propagating Disturbances in Polar Coronal Hole”, 2012cosp...39...689G ADS
- Ruiz, M. E., Dasso, S., Matthaeus, W. H., Marsch, E., & Weygand, J. M., “Dynamical evolution of anisotropies of the solar wind magnetic turbulent outer scale”, 2012IAUS...286...164R ADS
- Smith, H. M., Marsch, E., & Helander, P., “Electron Transport in the Fast Solar Wind”, 2012ApJ...753...31S ADS
- Hellinger, P., Matteini, L., Travnicek, P. M., Stverak, S., & Marsch, E., “Proton energetics in the solar wind between 0.3 and 1 AU: Helios reloaded”, 2012EGUGA...14.2879H ADS
- Bourouaine, S., Alexandrova, O., Marsch, E., & Maksimovic, M., “On Spectral Breaks in the Power Spectra of Magnetic Fluctuations in Fast Solar Wind between 0.3 and 0.9 AU”, 2012ApJ...749...102B ADS
- He, J., Tu, C., Marsch, E., & Yao, S., “Reproduction of the Observed Two-component Magnetic Helicity in Solar Wind Turbulence by a Superposition of Parallel and Oblique Alfvén Waves”, 2012ApJ...749...86H ADS
- Verscharen, D., Marsch, E., Motschmann, U., & Müller, J., “Kinetic cascade beyond magnetohydrodynamics of solar wind turbulence in two-dimensional hybrid simulations”, 2012PhPl...19b2305V ADS
- Wang, X., He, J., Tu, C., et al., “Large-amplitude Alfvén Wave in Interplanetary Space: The Wind Spacecraft Observations”, 2012ApJ...746...147W ADS
- He, J., Tu, C., Marsch, E., & Yao, S., “Do Oblique Alfvén/Ion-cyclotron or Fast-mode/Whistler Waves Dominate the Dissipation of Solar Wind Turbulence near the Proton Inertial Length?”, 2012ApJ...745L...8H ADS
- Verscharen, D., Marsch, E., Motschmann, U. M., & Müller, J., “Hybrid simulations of the two-dimensional cascade of weak solar wind turbulence beyond MHD scales”, 2011AGUFMSH52A...01V ADS
- Hellinger, P., Matteini, L., Stverak, S., Travnicek, P. M., & Marsch, E., “Heating and Cooling of Protons in the Fast Solar Wind Between 0.3 and 1 AU: Helios Reloaded”, 2011AGUFMSH44B...01H ADS
- Bourouaine, S., Alexandrova, O., Marsch, E., & Maksimovic, M., “Radial evolution of the power spectral density of the magnetic field from 0.3 to 0.9 AU”, 2011AGUFMSH43C1958B ADS
- Wang, X., Chao, J. K., He, J., et al., “On the Nature of a Large-Amplitude Alfvén Wave Measured by the WIND Spacecraft”, 2011AGUFMSH43C1957W ADS
- He, J., Marsch, E., Tu, C., et al., “Does the Kinetic Alfvén Wave or Oblique Whistler Wave dominate the Dissipation Range of Solar Wind Turbulence?”, 2011AGUFMSH42B...04H ADS
- Stverak, S., Hellinger, P., Travnicek, P. M., & Marsch, E., “Energetics of solar wind electrons from Helios observations”, 2011AGUFMSH33B2056S ADS
- Bourouaine, S., Marsch, E., & Neubauer, F. M., “Temperature anisotropy and differential streaming of solar wind ions. Correlations with transverse fluctuations”, 2011A&A...536A...39B ADS
- Marsch, E. & Bourouaine, S., “Velocity-space diffusion of solar wind protons in oblique waves and weak turbulence”, 2011AnGeo...29.2089M ADS
- Verscharen, D. & Marsch, E., “Compressive high-frequency waves riding on an Alfvén/ion-cyclotron wave in a multi-fluid plasma”, 2011JPLPh...77...693V ADS
- Ruiz, M. E., Dasso, S., Matthaeus, W. H., Marsch, E., & Weygand, J. M., “Aging of anisotropy of solar wind magnetic fluctuations in the inner heliosphere”, 2011JGRA...11610102R ADS
- Hellinger, P., Matteini, L., Štverák, Š., Travníček, P. M., & Marsch, E., “Heating and cooling of protons in the fast solar wind between 0.3 and 1 AU: Helios revisited”, 2011JGRA...116.9105H ADS
- Marsch, E. & Verscharen, D., “On nonlinear Alfvén-cyclotron waves in multi-species plasma”, 2011JPLPh...77...385M ADS
- He, J. S., Marsch, E., Tu, C. Y., et al., “Two-dimensional correlation functions for density and magnetic field fluctuations in magnetosheath turbulence measured by the Cluster spacecraft”, 2011JGRA...116.6207H ADS
- de Lucas, A., Schwenn, R., dal Lago, A., Marsch, E., & Clúa de Gonzalez, A. L., “Interplanetary shock wave extent in the inner heliosphere as observed by multiple spacecraft”, 2011JASTP...73.1281D ADS
- Verscharen, D. & Marsch, E., “Apparent temperature anisotropies due to wave activity in the solar wind”, 2011AnGeo...29...909V ADS
- He, J., Marsch, E., Tu, C., Yao, S., & Tian, H., “Possible Evidence of Alfvén-cyclotron Waves in the Angle Distribution of Magnetic Helicity of Solar Wind Turbulence”, 2011ApJ...728L...85H ADS
- Bourouaine, S., Marsch, E., & Neubauer, F. M., “On the Relative Speed and Temperature Ratio of Solar Wind Alpha Particles and Protons: Collisions Versus Wave Effects”, 2011ApJ...728L...3B ADS
- Yao, S., He, J. S., Marsch, E., et al., “Multi-scale Anti-correlation Between Electron Density and Magnetic Field Strength in the Solar Wind”, 2011ApJ...728...146Y ADS
- Stenborg, G., Marsch, E., Vourlidas, A., Howard, R., & Baldwin, K., “A novel technique to measure intensity fluctuations in EUV images and to detect coronal sound waves nearby active regions”, 2011A&A...526A...58S ADS
- Curdt, W., Tian, H., & Marsch, E., “The coronal convection”, 2011CEAB...35...187C ADS
- He, J., Marsch, E., Tu, C., Yao, S., & Tian, H., “Existence of Alfvén-cyclotron waves in solar wind turbulence as identified from the angular distribution of magnetic helicity”, 2010AGUFMSH43D...07H ADS
- Bourouaine, S., Marsch, E., & Neubauer, F. M., “On the interactions of transverse ion-cyclotron waves with ions in solar wind plasma”, 2010AGUFMSH43D...05B ADS
- Ruiz, M. E., Dasso, S., Matthaeus, W. H., Weygand, J. M., & Marsch, E., “Aging of solar wind magnetic and velocity fluctuations from observations in the inner heliosphere”, 2010AGUFMSH41B1783R ADS
- Stverak, S., Travnicek, P. M., Hellinger, P., & Marsch, E., “Evolution of the electron heat flux in the expanding solar wind: Helios observations”, 2010AGUFMSH11B1665S ADS
- Petrosyan, A., Balogh, A., Goldstein, M. L., et al., “Turbulence in the Solar Atmosphere and Solar Wind”, 2010SSRv...156...135P ADS
- Tian, H., Potts, H. E., Marsch, E., Attie, R., & He, J. S., “Horizontal supergranule-scale motions inferred from TRACE ultraviolet observations of the chromosphere”, 2010A&A...519A...58T ADS
- He, J. S., Marsch, E., Curdt, W., et al., “Magnetic and spectroscopic properties of supergranular-scale coronal jets and erupting loops in a polar coronal hole”, 2010A&A...519A...49H ADS
- Bourouaine, S., Marsch, E., & Neubauer, F. M., “On the interactions of transverse ion-cyclotron waves with ions in solar wind plasma”, 2010arXiv1008.2893B ADS
- Bourouaine, S., Marsch, E., & Neubauer, F. M., “Correlations between the proton temperature anisotropy and transverse high-frequency waves in the solar wind”, 2010GeoRL...3714104B ADS
- He, J. S., Marsch, E., Tu, C. Y., Guo, L. J., & Tian, H., “Intermittent outflows at the edge of an active region - a possible source of the solar wind?”, 2010A&A...516A...14H ADS
- Yao, S., Marsch, E., Tu, C.-Y., & Schwenn, R., “Identification of prominence ejecta by the proton distribution function and magnetic fine structure in interplanetary coronal mass ejections in the inner heliosphere”, 2010JGRA...115.5103Y ADS
- Tian, H., Marsch, E., Tu, C., Curdt, W., & He, J.: 2010, “New views on the emission and structure of the solar transition region”, Ph.D. thesis, 2010PhDT...178T ADS
- Guo, J. N., Büchner, J., Otto, A., et al., “Is the 3-D magnetic null point with a convective electric field an efficient particle accelerator?”, 2010A&A...513A...73G ADS
- Gulisano, A. M., Démoulin, P., Dasso, S., Ruiz, M. E., & Marsch, E., “Evolution of magnetic clouds in the inner heliosphere”, 2010AIPC.1216...391G ADS
- Yao, S., Marsch, E., & Tu, C. Y., “Prominence material identified in magnetic cloud”, 2010AIPC.1216...235Y ADS
- Maneva, Y. G., Araneda, J. A., & Marsch, E., “Ion distributions in coronal holes and fast solar wind”, 2010AIPC.1216...227M ADS
- Ruiz, M. E., Dasso, S., Matthaeus, W. H., Marsch, E., & Weygand, J. M., “Anisotropy of the magnetic correlation function in the inner heliosphere”, 2010AIPC.1216...160R ADS
- Guo, L. J., He, J. S., Tu, C. Y., & Marsch, E., “Longitudinal oscillation of intensity fronts in a strand at the edge of an active region”, 2010AIPC.1216...76G ADS
- Tian, H., Tu, C. Y., Marsch, E., et al., “Upflows in the upper transition region of the quiet Sun”, 2010AIPC.1216...36T ADS
- He, J. S., Marsch, E., Tu, C. Y., & Tian, H., “Upward and downward propagation of transverse waves due to small-scale magnetic reconnection in the chromosphere”, 2010AIPC.1216...32H ADS

- He, J. S., Marsch, E., Tu, C. Y., Tian, H., & Guo, L. J., "Reconfiguration of the coronal magnetic field by means of reconnection driven by photospheric magnetic flux convergence", 2010A&A...510A...40H ADS
- He, J., Marsch, E., Tu, C., et al., "A new view of solar wind origin near active regions and in polar coronal holes on the basis of Hinode observations", 2010cosp...38.2938H ADS
- Curdt, W., Tian, H., & Marsch, E., "The coronal convection", 2010cosp...38.2927C ADS
- Bourouaine, S. & Marsch, E., "Multi-strand Coronal Loop Model", 2010cosp...38.2846B ADS
- He, J., Marsch, E., Tu, C., et al., "Reconstruction of reconnecting magnetic field in both solar corona and geo-magnetosphere and its application to reconnection diagnosis", 2010cosp...38.1942H ADS
- Dasso, S., Gulisano, A. M., Demoulin, P., & Marsch, E., "Analysis of Magnetic Clouds Evolution from 0.3 to 5 Astronomical Units", 2010cosp...38.1922D ADS
- de Lucas, A., Dal Lago, A., Schwenn, R., et al., "Multi-spacecraft observation of a magnetic cloud", 2010cosp...38.1921D ADS
- Araneda, J., Maneva, Y., & Marsch, E., "Ion heating and acceleration by trapping in parametrically unstable Alfvén-cyclotron waves in the solar wind", 2010cosp...38.1893A ADS
- Smith, H., Marsch, E., & Helander, P., "Electron transport in the solar wind -results from numerical simulations", 2010cosp...38.1889S ADS
- Marsch, E., Yao, S., Tu, C., & Schwenn, R., "Identification of prominence ejecta by the proton distribution function and magnetic fine structure in ICMEs in the inner heliosphere", 2010cosp...38.1876M ADS
- Maneva, Y., Araneda, J., & Marsch, E., "Non-thermal features in ion distributions caused by large-amplitude Alfvén-cyclotron waves", 2010cosp...38.1817M ADS
- Stenborg, G., Marsch, E., Vourlidas, A., Howard, R., & Baldwin, K., "Coronal sound waves on open magnetic field lines originating near solar active regions", 2010cosp...38.1814S ADS
- He, J., Marsch, E., Tu, C., & Tian, H., "Upward propagation and subsequent steepening of transverse waves launched by small-scale magnetic reconnection in the chromosphere", 2010cosp...38.1805H ADS
- Tian, H., Marsch, E., Tu, C., Curdt, W., & He, J., "New views on the emission and structure of the solar transition region", 2010NewAR...54...13T ADS
- Tian, H., Tu, C., Marsch, E., He, J., & Kamio, S., "The Nascent Fast Solar Wind Observed by the EUV Imaging Spectrometer on Board Hinode", 2010ApJ...709L...88T ADS
- Bourouaine, S. & Marsch, E., "Multi-strand Coronal Loop Model and Filter-ratio Analysis", 2010ApJ...708.1281B ADS
- He, J. S., Tu, C. Y., Tian, H., & Marsch, E., "Solar wind origins in coronal holes and in the quiet Sun", 2010AdSpR...45...303H ADS
- Gulisano, A. M., Démoulin, P., Dasso, S., Ruiz, M. E., & Marsch, E., "Global and local expansion of magnetic clouds in the inner heliosphere", 2010A&A...509A...39G ADS
- Marsch, E., Araneda, J. A., & Maneva, Y., "Decay of Alfvén-cyclotron waves and kinetic effects on ions in the solar wind", 2009AGUFM51C...04M ADS
- de Lucas, A., Dal Lago, A., Schwenn, R., et al., "Multi-spacecraft observation of a magnetic cloud", 2009AGUFM51B1515D ADS
- He, J., Marsch, E., Tu, C., & Tian, H., "Excitation of Kink Waves Due to Small-Scale Magnetic Reconnection in the Chromosphere?", 2009ApJ...705L.217H ADS
- Tian, H., Marsch, E., Curdt, W., & He, J., "Upflows in Funnel-like Legs of Coronal Magnetic Loops", 2009ApJ...704...883T ADS
- Tian, H., Curdt, W., Teriaca, L., Landi, E., & Marsch, E., "Solar transition region above sunspots", 2009A&A...505...307T ADS
- Tian, H., Curdt, W., Marsch, E., & Schühle, U., "Hydrogen Lyman- $\alpha$  and Lyman- $\beta$  spectral radiance profiles in the quiet Sun", 2009A&A...504...239T ADS
- Mecheri, R. & Marsch, E., "Drift instabilities in the solar corona within the multi-fluid description", 2009A&A...503...589M ADS
- Araneda, J. A., Maneva, Y., & Marsch, E., "Preferential Heating and Acceleration of  $\alpha$  Particles by Alfvén-Cyclotron Waves", 2009PhRvL.102q5001A ADS
- Štverák, Š., Maksimovic, M., Trávníček, P. M., et al., "Radial evolution of non-thermal electron populations in the low-latitude solar wind: Helios, Cluster, and Ulysses Observations", 2009JGRA...114.5104S ADS
- Tu, C., He, J., Marsch, E., et al., "Upward Propagating Alfvén Wave and its Connection With Magnetic Reconnection in the Chromosphere as Observed by SOT", 2009AGUSM5H31B...02T ADS
- Stverak, S., Travnicek, P. M., Maksimovic, M., et al., "Radial Evolution of Non-thermal Electron populations in the Low-latitude Solar Wind: Helios, Cluster and Ulysses observations", 2009EGUGA...1111960S ADS
- Marsch, E., Yao, S., & Tu, C. Y., "Proton beam velocity distributions and prominence material in ICME", 2009EGUGA...11.1465M ADS
- Maneva, Y. G., Araneda, J. A., & Marsch, E., "Parametrically Unstable Alfvén-cyclotron Waves and Wave-Particle Interactions in the Solar Corona and Solar Wind", 2009AIPC.1121...122M ADS
- He, J. S., Tu, C. Y., Marsch, E., et al., "Upward propagating high-frequency Alfvén waves as identified from dynamic wave-like spicules observed by SOT on Hinode", 2009A&A...497...525H ADS
- de Lucas, A., Schwenn, R., Marsch, E., et al., "Multi-spacecraft observations to study the shock extension in the inner heliosphere", 2009IAUS...257...481D ADS
- Ruan, P., Korth, A., Marsch, E., et al., "Multiple-spacecraft study of an extended magnetic structure in the solar wind", 2009JGRA...114.2108R ADS
- Marsch, E., Yao, S., & Tu, C. Y., "Proton beam velocity distributions in an interplanetary coronal mass ejection", 2009AnGeo...27...869M ADS
- Solanki, S. K. & Marsch, E., "Solar Space Missions: present and future", 2009RvMA...21...229S ADS
- Livi, S. A., Allegrini, F., Collier, M., et al., "Solar Wind Measurements on Solar Orbiter: Discovering the Links Between the Solar Wind and the Atmosphere of our Sun", 2008AGUFM51A1597L ADS
- Woch, J., Solanki, S. K., & Marsch, E., "Future high-latitude observations anticipated from the Solar Orbiter mission", 2008AGUFM5H44A...08W ADS
- Stverak, S., Travnicek, P., Maksimovic, M., et al., "Radial Evolution of Non-thermal Electrons in the Low-latitude Solar Wind: Helios, Cluster and Ulysses Observations", 2008AGUFM5H21A1581S ADS
- Curdt, W., Tian, H., Dwivedi, B. N., & Marsch, E., "The redshifted network contrast of transition region emission", 2008A&A...491L...13C ADS
- Marsch, E., Tian, H., Sun, J., Curdt, W., & Wiegelmann, T., "Plasma Flows Guided by Strong Magnetic Fields in the Solar Corona", 2008ApJ...685.1262M ADS
- Tian, H., Curdt, W., Marsch, E., & He, J. S., "Cool and Hot Components of a Coronal Bright Point", 2008ESPM...122.113T ADS
- Curdt, W., Tian, H., Dwivedi, B. N., & Marsch, E., "The Redshifted Network Contrast - Signature of Coronal Convection", 2008ESPM...12.2.92C ADS
- Bourouaine, S., Marsch, E., & Vocks, C., "On the Efficiency of Nonresonant Ion Heating by Coronal Alfvén Waves", 2008ApJ...684L.119B ADS
- He, J. S., Tu, C. Y., & Marsch, E., "Modeling of Solar Wind in the Coronal Funnel With Mass and Energy Supplied at 5 Mm", 2008SoPh...250...147H ADS
- Tian, H., Curdt, W., Marsch, E., & He, J., "Cool and Hot Components of a Coronal Bright Point", 2008ApJ...681L.121T ADS
- Bourouaine, S., Vocks, C., & Marsch, E., "Multi-Ion Kinetic Model for Coronal Loop", 2008ApJ...680L...77B ADS
- Bourouaine, S., Vocks, C., & Marsch, E., "Coronal Loop Model Including Ion Kinetics", 2008ApJ...676.1346B ADS
- Tian, H., Marsch, E., Tu, C. Y., Xia, L. D., & He, J. S., "Sizes of transition-region structures in coronal holes and in the quiet Sun", 2008A&A...482...267T ADS
- Mecheri, R. & Marsch, E., "Drift instabilities in the solar corona within the multi-fluid description", 2008A&A...481...853M ADS
- Araneda, J. A., Marsch, E., & F. -Viñas, A., "Proton Core Heating and Beam Formation via Parametrically Unstable Alfvén-Cyclotron Waves", 2008PhRvL.10015003A ADS
- Štverák, Š., Trávníček, P., Maksimovic, M., et al., "Electron temperature anisotropy constraints in the solar wind", 2008JGRA...113.3103S ADS
- Tian, H., Tu, C. Y., Marsch, E., He, J. S., & Zhou, G. Q., "Signature of mass supply to quiet coronal loops", 2008A&A...478...915T ADS
- Tu, C., Tian, H., He, J., & Marsch, E., "A model of the solar wind driven by supergranular circulation", 2008cosp...37.3238T ADS
- Marsch, E., Araneda, J., & -Vinas, A. F., "Proton heating and beam formation via parametrically unstable Alfvén-cyclotron waves", 2008cosp...37.1923M ADS
- Marsch, E., Tian, H., Tu, C., et al., "Sizes and heights of magnetic structures in the solar transition region as observed in ultraviolet emission lines at different temperatures", 2008cosp...37.1922M ADS
- de Lucas, A., Schwenn, R., Marsch, E., et al., "A Statistical Analysis of Shock Wave Extension in the Inner Heliosphere as observed by the two Helios probes", 2008cosp...37...661D ADS
- Ruiz, M. E., Dasso, S., Matthaeus, W. H., Marsch, E., & Wey-gand, J. M., "Propiedades turbulentas de la heliosfera interna", 2008BAAA...51...35R ADS
- Schwenn, R., Donovan, E., Marsch, E., et al., "Space weather explorer The KuaFu mission", 2008AdSpR...41...190S ADS
- Wilhelm, K., Marsch, E., Dwivedi, B. N., & Feldman, U., "Observations of the Sun at Vacuum-Ultraviolet Wavelengths from Space. Part II: Results and Interpretations", 2007SSRv...133...103W ADS
- Stverak, S., Maksimovic, M., Travnicek, P., et al., "Strahl properties in the solar wind: Observations", 2007AGUFM5H21A0293S ADS
- Matteini, L., Hellinger, P., Landi, S., et al., "The evolution of the solar wind proton temperature anisotropy from 0.3 to 2.5 AU", 2007AGUFM5H21A0287M ADS

- Mecheri, R. & Marsch, E., "Coronal ion-cyclotron beam instabilities within the multi-fluid description", 2007A&A...474..609M ADS
- Matteini, L., Landi, S., Hellinger, P., et al., "Evolution of the solar wind proton temperature anisotropy from 0.3 to 2.5 AU", 2007GeoRL...3420105M ADS
- He, J. S., Tu, C. Y., & Marsch, E., "Can the solar wind originate from a quiet Sun region?", 2007A&A...468..307H ADS
- Araneda, J. A., Marsch, E., & ViñAs, A. F., "Collisionless damping of parametrically unstable Alfvén waves", 2007JGRA...112.4104A ADS
- Zhou, G.-q., He, J.-s., Tu, C.-y., & Marsch, E., "Correlation Height of the Source Region of Si II Emission Lines in Coronal Hole Regions", 2007ChA&A...31..137Z ADS
- Heuer, M. & Marsch, E., "Diffusion plateaus in the velocity distributions of fast solar wind protons", 2007JGRA...112.3102H ADS
- Mecheri, R. & Marsch, E., "Ray tracing of ion-cyclotron waves in a coronal funnel", 2007msfa.conf...355M ADS
- Teriaca, L., Schühle, U., Solanki, S. K., Curdt, W., & Marsch, E., "The Lower Transition Region As Seen In The H I Lyman- $\alpha$  Line", 2007ESASP.641E..84T ADS
- Hilchenbach, M., Orsini, S., Hsieh, K. C., et al., "Solar Orbiter Neutral Solar Wind Detector", 2007ESASP.641E..46H ADS
- McComas, D. J., Desai, M. I., Allegrini, F., et al., "The Solar Wind Proton And Alpha Sensor For The Solar Orbiter", 2007ESASP.641E..40M ADS
- Teriaca, L., Schühle, U., Solanki, S. K., Curdt, W., & Marsch, E., "The Lower Transition Region As Seen In The H I Lyman- $\alpha$  Line", 2007ESASP.641E..36T ADS
- Hochedez, J. F., Appourchaux, T., Defise, J. M., et al., "EUI, The Ultraviolet Imaging Telescopes Of Solar Orbiter", 2007ESASP.641E..33H ADS
- Marsch, E., "Status Of Knowledge After Helios, Ulysses And SOHO Of The Microstate Of The Coronal And Solar-Wind Plasma", 2007ESASP.641E..4M ADS
- , "Proceedings of The Second Solar Orbiter Workshop", 2007ESASP.641E...M ADS
- Tian, H., Tu, C. Y., He, J. S., & Marsch, E., "Emission heights of coronal bright points on Fe XII radiance map", 2007AdSpR...39.1853T ADS
- Stverak, S., Travnicek, P., Maksimovic, M., et al., "Electron Anisotropy Constraint in the Solar Wind", 2006AGUFM53A1482S ADS
- Marsch, E., Zhou, G. Q., He, J. S., & Tu, C. Y., "Magnetic structure of the solar transition region as observed in various ultraviolet lines emitted at different temperatures", 2006A&A...457..699M ADS
- Marsch, E., "Kinetic Physics of the Solar Corona and Solar Wind", 2006LRSP...3...1M ADS
- Mecheri, R. & Marsch, E., "Drift-Instabilities in a Coronal Funnel Within the Multi-Fluid Description", 2006ESASP.617E.103M ADS
- Matteini, L., Landi, S., Hellinger, P., et al., "On the Role of the Parallel Proton Fire Hose Instability in the Expanding Solar Wind: Simulations and Observations", 2006ESASP.617E.101M ADS
- Marsch, E., Zhou, G. Q., He, J. S., & Tu, C. Y., "On the Structure of the Solar Transition Region", 2006ESASP.617E.100M ADS
- Tu, C. Y., He, J. S., & Marsch, E., "Plasma Outflows and Open Magnetic Fields in a Quiet-Sun Region", 2006ESASP.617E..99T ADS
- Teriaca, L., Schühle, U., Solanki, S. K., Curdt, W., & Marsch, E., "The Dynamic Nature of the Lower Transition Region as Revealed by Spectroscopy of the Hydrogen Lyman- $\alpha$  Line", 2006ESASP.617E..77T ADS
- Solanki, S. K. & Marsch, E., "Solar Microscopy: Unveiling the Sun's Basic Physical Processes at their Intrinsic Scales", 2006ESASP.617E..34S ADS
- Boswell, R. W., Marsch, E., & Charles, C., "The Current-Free Electric Double Layer in a Coronal Magnetic Funnel", 2006ApJ...640L.199B ADS
- Mecheri, R. & Marsch, E., "Coronal waves: propagation in the multi-fluid description", 2006RSPTA.364..537M ADS
- Marsch, E., "Coronal origins of the solar wind - sources of steady streams and transient flows caused by solar magnetic eruptions", 2006ilws.conf...111M ADS
- Tian, H., Tu, C. Y., He, J. S., & Marsch, E., "A Study on the Height of the Corona Bright Points on FeXII Radiance Map", 2006cosp...36.1952T ADS
- He, J. S., Tu, C. Y., & Marsch, E., "Emission height of a dark region in the radiance map of the Fe XII 19.5 nm line as observed in a quiet-Sun region", 2006cosp...36.1930H ADS
- Marsch, E., "KuaFu A observations of mass supply to and loss from the solar corona", 2006cosp...36..939M ADS
- Marsch, E., Zhou, G. Q., He, J. S., & Tu, C. Y., "Magnetic structure of the solar transition region as observed in various ultraviolet lines emitted at different temperatures", 2006cosp...36..936M ADS
- Marsch, E., Zhao, L., & Tu, C. Y., "Limits on the proton temperature anisotropy in the solar wind", 2006cosp...36..930M ADS
- Heuer, M. & Marsch, E., "Diffusion plateaus in the velocity distributions of fast solar wind protons", 2006cosp...36..926H ADS
- Tu, C. Y., He, J. S., & Marsch, E., "Can the solar wind originate in the quiet-Sun region?", 2006cosp...36..594T ADS
- Marsch, E., "Origin and evolution of the solar wind", 2006IAUS...233..259M ADS
- Marsch, E., "Solar wind responses to the solar activity cycle", 2006AdSpR...38..921M ADS
- Teriaca, L., Schühle, U., Solanki, S. K., Curdt, W., & Marsch, E., "The Dynamics of the Lower Transition Region as Inferred from Spectroscopy of the Hydrogen LYMAN- $\alpha$  Line", 2005ESASP.600E.100T ADS
- Mecheri, R. & Marsch, E., "Beam-Instabilities in a Coronal Funnel Within the Multi-Fluid Description", 2005ESASP.600E..90M ADS
- Teriaca, L., Schühle, U., Solanki, S. K., Curdt, W., & Marsch, E., "The Structure of the Lower Transition Region as Inferred from the Hydrogen LYMAN- $\alpha$  Line Radiance", 2005ESASP.596E..66T ADS
- Maksimovic, M., Zouganelis, I., Chaufray, J. Y., et al., "Radial evolution of the electron distribution functions in the fast solar wind between 0.3 and 1.5 AU", 2005JGRA...110.9104M ADS
- Marsch, E., "Importance of Kinetic Effects in Heating the Open and Closed Corona (Invited)", 2005ESASP.592..191M ADS
- Tu, C. Y., Zhou, C., Marsch, E., et al., "The Height of Solar Wind Origin in Coronal Funnels and a 3-D Scenario for Solar Wind Formation", 2005ESASP.592..131T ADS
- Wilhelm, K., Schühle, U., Curdt, W., et al., "On the nature of the unidentified solar emission near 117 nm", 2005A&A...439..701W ADS
- Tu, C.-Y., Zhou, C., Marsch, E., et al., "Correlation Heights of the Sources of Solar Ultraviolet Emission Lines in a Quiet-Sun Region", 2005ApJ...624L.133T ADS
- Tu, C.-Y., Zhou, C., Marsch, E., et al., "Solar Wind Origin in Coronal Funnels", 2005Sci...308..519T ADS
- Wiegmann, T., Xia, L. D., & Marsch, E., "Links between magnetic fields and plasma flows in a coronal hole", 2005A&A...432L...1W ADS
- Marsch, E., Marsden, R., Harrison, R., Wimmer-Schweingruber, R., & Fleck, B., "Solar Orbiter-mission profile, main goals and present status", 2005AdSpR...36.1360M ADS
- Marsch, E., "Kinetic Aspects of Coronal Heating", 2004ESASP.575..186M ADS
- Marsch, E., Wiegmann, T., & Xia, L. D., "Coronal plasma flows and magnetic fields in solar active regions. Combined observations from SOHO and NSO/Kitt Peak", 2004A&A...428..629M ADS
- Marsch, E., "Waves and Turbulence in the Solar Corona", 2004ASSL...317..283M ADS
- Xia, L. D., Marsch, E., & Wilhelm, K., "On the network structures in solar equatorial coronal holes. Observations of SUMER and MDI on SOHO", 2004A&A...424.1025X ADS
- Tu, C. Y., Marsch, E., & Qin, Z. R., "Dependence of the proton beam drift velocity on the proton core plasma beta in the solar wind", 2004JGRA...109.5101T ADS
- Zouganelis, I., Maksimovic, M., Issautier, K., et al., "Radial Evolution of the Electron Distribution Functions of the Fast Solar Wind Combining Measurements From the HELIOS, WIND and ULYSSES Spacecraft", 2004AGUSM5H21A..08Z ADS
- Wilhelm, K., Dwivedi, B. N., Marsch, E., & Feldman, U., "Observations of the Sun at Vacuum- Ultraviolet Wavelengths from Space. Part I: Concepts and Instrumentation", 2004SSRv...111.415W ADS
- Marsch, E., Ao, X. Z., & Tu, C. Y., "On the temperature anisotropy of the core part of the proton velocity distribution function in the solar wind", 2004JGRA...109.4102M ADS
- Marsch, E., "Solar Orbiter - main goals and present status", 2004cosp...35.1681M ADS
- Marsch, E., "Turbulence and waves in the solar wind", 2004cosp...35..383M ADS
- Marsch, E., "Solar wind responses to the solar activity cycle", 2004cosp...35..381M ADS
- Marsch, E., "Waves in the Solar Corona", 2004IAUS...219..449M ADS
- Xia, L. & Marsch, E., "Observational Constraints on Ion Acceleration by Waves in Coronal Holes", 2004ESASP.547..387X ADS
- Xia, L. D., Marsch, E., & Wilhelm, K., "Topological Changes of the Magnetic Network as Seen in Different UV/EUV Emission Lines", 2004ESASP.547..169X ADS
- Maksimovic, M., Zouganelis, I., Chaufray, J., et al., "Radial Evolution of the Non-thermal Character of Electron Distribution Functions in the Solar Wind", 2003AGUFM5H21B0159M ADS
- Marsch, E., "The Microscopic State of the Solar Wind", 2003AIPC...679..399M ADS
- Tu, C. Y., Marsch, E., & Wang, L. H., "Cyclotron-resonant diffusion regulating the core and beam of solar wind proton distributions", 2003AIPC...679..389T ADS
- Xia, L. & Marsch, E., "Equatorial Coronal Holes and Their Relation to High-Speed Solar Wind Streams", 2003AIPC...679..319X ADS
- Xia, L. D. & Marsch, E., "Observational Constraints on Ion Acceleration by Waves in Coronal Holes", 2003ANS...324R.100X ADS

- Marsch, E., "Wave-particle Interactions and Ion Kinetics in the Solar Corona and Solar Wind", 2003ANS...324R..12M ADS
- Xia, L. D., Marsch, E., & Wilhelm, K., "Topological Changes of the Magnetic Network as Seen in different UV/EUV Emission Lines", 2003ANS...324Q.100X ADS
- Wang, T. J., Solanki, S. K., Innes, D. E., Curdt, W., & Marsch, E., "Slow-mode standing waves observed by SUMER in hot coronal loops", 2003A&A...402L..17W ADS
- Tu, C. Y., Wang, L. H., & Marsch, E., "A possible way of understanding the differential motion of minor ions in the solar wind", 2003JGRA...108.1161T ADS
- Xia, L. D., Marsch, E., & Curdt, W., "On the outflow in an equatorial coronal hole", 2003A&A...399L...5X ADS
- Marsch, E., Axford, W. I., & McKenzie, J. F., "Solar wind", in B. N. Dwivedi and F. b. E. N. Parker (Eds.), *Dynamic Sun*, 374–402 2003dysu.book...374M ADS
- Marsch, E., "Novel Solar and Heliospheric Research with Solar Orbiter", 2003IAUJD...7E...8M ADS
- Tu, C., Wang, L., & Marsch, E., "Mechanism for Generating Differential Motion of Minor Ions in the Solar Wind", 2002AGUFM12A0389T ADS
- Tu, C. Y., Wang, L. H., & Marsch, E., "Formation of the proton beam distribution in high-speed solar wind", 2002JGRA...107.1291T ADS
- Tu, C. Y. & Marsch, E., "Anisotropy regulation and plateau formation through pitch angle diffusion of solar wind protons in resonance with cyclotron waves", 2002JGRA...107.1249T ADS
- Vocks, C. & Marsch, E., "Kinetic Results for Ions in the Solar Corona with Wave-Particle Interactions and Coulomb Collisions", 2002ApJ...568.1030V ADS
- Marsch, E., Tu, C., & Whang, L., "Pitch-angle diffusion of solar wind protons in resonance with waves - beam formation and anisotropy regulation", 2002cosp...34E1682M ADS
- Marsch, E., "Solar Orbiter - A high-resolution mission to the Sun and inner heliosphere", 2002cosp...34E1453M ADS
- Marsch, E., Antonucci, E., Bochsler, P., et al., "Solar orbiter, a high-resolution mission to the sun and inner heliosphere", 2002AdSpR...29.2027M ADS
- Damé, L. & Marsch, E., "Preface", 2002AdSpR...29.1997D ADS
- Fleck, B., Marsch, E., Antonucci, E., et al., "Solar Orbiter: a high-resolution mission to the sun and inner heliosphere", 2001SPIE.4498...1F ADS
- Vocks, C. & Marsch, E., "Kinetics of Ions in the Solar Corona With Wave-Particle Interaction and Coulomb Collisions", 2001AGUFM42B...04V ADS
- Tu, C. & Marsch, E., "Formation of Proton Beams in High-Speed Solar Wind", 2001AGUFM32A0734T ADS
- Marsch, E., Harrison, R., Pace, O., et al., "Solar Orbiter, a high-resolution mission to the Sun and inner heliosphere", 2001ESASP.493D...11M ADS
- Marsch, E., "Foreward", 2001ESASP.493D...9M ADS
- Voitenko, Y., Goossens, M., & Marsch, E., "On the role of ion-cyclotron kinetic Alfvén waves in the solar wind: results from HELIOS and expectations for Solar Orbiter", 2001ESASP.493...411V ADS
- , "Solar encounter", 2001ESASP.493...B ADS
- Marsch, E. & Tu, C. Y., "Evidence for pitch angle diffusion of solar wind protons in resonance with cyclotron waves", 2001JGR...106.8357M ADS
- Tu, C. Y. & Marsch, E., "On cyclotron wave heating and acceleration of solar wind ions in the outer corona", 2001JGR...106.8233T ADS
- Vocks, C. & Marsch, E., "A semi-kinetic model of wave-ion interaction in the solar corona", 2001GeoRL...28.1917V ADS
- Tu, C. & Marsch, E., "Evidence for the Resonance Between Solar Wind Protons and Parallel Propagating Cyclotron Waves", 2001AGUSM...SH22E03T ADS
- Tu, C. Y. & Marsch, E., "Wave dissipation by ion cyclotron resonance in the solar corona", 2001A&A...368.1071T ADS
- Marsch, E., Fleck, B., & Schwenn, R., "Solar Orbiter - A high resolution mission to the Sun and the inner heliosphere (Oral papers and posters which were given at the conference, but for which no manuscripts were submitted)", 2001ohnf.conf...445M ADS
- Marsch, E. & Tu, C. Y., "Heating and acceleration of ions by cyclotron- and Landau-resonances (Oral papers and posters which were given at the conference, but for which no manuscripts were submitted)", 2001ohnf.conf...394M ADS
- , "The Outer Heliosphere: The Next Frontiers", 2001ohnf.conf...S ADS
- Marsch, E. & Tu, C. Y., "Heating and acceleration of coronal ions interacting with plasma waves through cyclotron and Landau resonance", 2001JGR...106...227M ADS
- Marsch, E., Antonucci, E., Bochsler, P., et al., "Solar Orbiter, a High-Resolution Mission to the Sun and Inner Heliosphere", 2001IAUS...203...565M ADS
- Marsch, E., "Observations and Models of the Fast and Slow Solar Wind", 2001IAUS...203...447M ADS
- Lanzafame, A. C., Spadaro, D., Consoli, L., Marsch, E., & Brooks, D. H., "Velocity Fields in an Active Region Loop System Observed on the Solar Disc with SUMER/SOHO (CD-ROM Directory: contribs/lanzafam)", 2001ASPC...223...691L ADS
- Scherer, K., Marsch, E., Schwenn, R., & Rosenbauer, H., "Long-term variations of the flow direction and angular momentum of the solar wind observed by Helios", 2001A&A...366...331S ADS
- Marsch, E., "Solar Wind: Kinetic Properties", in P. Murdin (Ed.), *Encyclopedia of Astronomy and Astrophysics*, 2304 2000eaa...bookE2304M ADS
- Hackenberg, P., Marsch, E., & Mann, G., "On the origin of the fast solar wind in polar coronal funnels", 2000A&A...360.1139H ADS
- Spadaro, D., Lanzafame, A. C., Consoli, L., et al., "Structure and dynamics of an active region loop system observed on the solar disc with SUMER on SOHO", 2000A&A...359...716S ADS
- Marsch, E., Tu, C. Y., & Wilhelm, K., "Hydrogen temperature gradient in the transition region of a solar coronal hole", 2000A&A...359...381M ADS
- Scherer, K., Fichtner, H., & Marsch, E., "Preface (The outer heliosphere: beyond the planets)", 2000ohbp.conf...5S ADS
- Marsch, E., "Dynamical processes in interplanetary space", 2000ohbp.conf...41M ADS
- , "The outer heliosphere: beyond the planets", 2000ohbp.conf...S ADS
- Fleck, B., Marsch, E., Schwenn, R., et al., "Solar Orbiter — A High Resolution Mission to the Sun and Inner Heliosphere", 2000SPD...31.0296F ADS
- Wilhelm, K., Dammasch, I. E., Marsch, E., & Hassler, D. M., "On the source regions of the fast solar wind in polar coronal holes", 2000A&A...353...749W ADS
- Lanzafame, A. C., Spadaro, D., Consoli, L., Marsch, E., & Brooks, D. H., "Dynamical Properties Of An Active Region Loop System Observed On The Solar Disc With SUMER/SOHO", 1999ESASP.446...429L ADS
- Hackenberg, P., Mann, G., & Marsch, E., "On the origin of the fast solar wind in coronal funnels", 1999ESASP.446...341H ADS
- Crooker, N. U., Gosling, J. T., Bothmer, V., et al., "CIR Morphology, Turbulence, Discontinuities, and Energetic Particles", 1999SSRv...89...179C ADS
- Balogh, A., Bothmer, V., Crooker, N. U., et al., "The Solar Origin of Corotating Interaction Regions and Their Formation in the Inner Heliosphere", 1999SSRv...89...141B ADS
- Forsyth, R. J. & Marsch, E., "Solar Origin and Interplanetary Evolution of Stream Interfaces", 1999SSRv...89...7F ADS
- Marsch, E., Tu, C. Y., Heinzl, P., Wilhelm, K., & Curdt, W., "Proton and hydrogen temperatures at the base of the solar polar corona", 1999A&A...347...676M ADS
- Marsch, E. & Tu, C. Y., "Closure of multi-fluid equations for cyclotron-resonant interactions of ions with Alfvén waves in the solar corona", 1999AIPC...471...393M ADS
- Tu, C. Y. & Marsch, E., "Study of the heating mechanism of solar wind ions in coronal holes", 1999AIPC...471...373T ADS
- Crooker, N. U., Gosling, J. T., Bothmer, V., et al., "CIR Morphology, Turbulence, Discontinuities, and Energetic Particles", in A. Balogh, J. T. Gosling, J. R. Jokipii, R. Kallenbach, and H. Kunow (Eds.), *Corotating Interaction Regions*. Series: Space Sciences Series of ISSI, Vol. 7, 179–220 1999cir...book...179C ADS
- Balogh, A., Bothmer, V., Crooker, N. U., et al., "The Solar Origin of Corotating Interaction Regions and their Formation in the Inner Heliosphere", in A. Balogh, J. T. Gosling, J. R. Jokipii, R. Kallenbach, and H. Kunow (Eds.), *Corotating Interaction Regions*. Series: Space Sciences Series of ISSI, Vol. 7, 141–178 1999cir...book...141B ADS
- Forsyth, R. J. & Marsch, E., "Solar Origin and Interplanetary Evolution of Stream Interfaces", in A. Balogh, J. T. Gosling, J. R. Jokipii, R. Kallenbach, and H. Kunow (Eds.), *Corotating Interaction Regions*. Series: Space Sciences Series of ISSI, Vol. 7, 7–20 1999cir...book...7F ADS
- Tu, C. Y., Marsch, E., & Wilhelm, K., "Ion Temperatures as Observed in a Solar Coronal Hole", 1999SSRv...87...331T ADS
- Hackenberg, P., Mann, G., & Marsch, E., "Plasma Properties in Coronal Funnels", 1999SSRv...87...207H ADS
- Leer, E. & Marsch, E., "Working Group I Report: Solar Wind Models from the Sun to 1 AU: Constraints by "in situ" and Remote Sensing Measurements", 1999SSRv...87...67L ADS
- Marsch, E., "Solar Wind Models from the Sun to 1 AU: Constraints by in Situ and Remote Sensing Measurements", 1999SSRv...87...1M ADS
- Marsch, E., "Cyclotron Heating of the Solar Corona", 1999Ap&SS.264...63M ADS
- Büchner, J., Axford, I., Marsch, E., & Vasylunas, V., "Plasma astrophysics and space physics. Proceedings. 7th International Conference on Plasma Astrophysics, Katlenburg-Lindau (Germany), 4 - 8 May 1998.", 1999Ap&SS.264...B ADS
- Marsch, E., "The ESA Solar Orbiter Mission", 1999AGAB...15...13M ADS
- Hackenberg, P., Mann, G., & Marsch, E., "Solitons in multi-ion plasmas", 1998JPlPh...60...845H ADS

- Hefti, S., Grünwaldt, H., Ipavich, F. M., et al., "Kinetic properties of solar wind minor ions and protons measured with SOHO/CELIAS", 1998JGR...10329697H ADS
- Kucharek, H., Ipavich, F. M., Kallenbach, R., et al., "Magnesium isotopic composition as observed with the CELIAS/MTOF experiment on the SOHO spacecraft", 1998JGR...10326805K ADS
- Aellig, M. R., Grünwaldt, H., Bochsler, P., et al., "Iron freeze-in temperatures measured by SOHO/CELIAS/CTOF", 1998JGR...10317215A ADS
- Ipavich, F. M., Galvin, A. B., Lasley, S. E., et al., "Solar wind measurements with SOHO: The CELIAS/MTOF proton monitor", 1998JGR...10317205I ADS
- Hilchenbach, M., Hsieh, K. C., Hovestadt, D., et al., "Detection of 55-80 keV Hydrogen Atoms of Heliospheric Origin by CELIAS/HSTOF on SOHO", 1998ApJ...503...916H ADS
- Tu, C. Y., Marsch, E., Wilhelm, K., & Curdt, W., "Ion Temperatures in a Solar Polar Coronal Hole Observed by SUMER on SOHO", 1998ApJ...503...475T ADS
- Wurz, P., Ipavich, F. M., Galvin, A. B., et al., "Elemental composition of the January 6, 1997, CME", 1998GeoRL...25.2557W ADS
- Wilhelm, K., Marsch, E., Dwivedi, B. N., et al., "The Solar Corona Above Polar Coronal Holes as Seen by SUMER on SOHO", 1998ApJ...500.1023W ADS
- Peter, H. & Marsch, E., "Hydrogen and helium in the solar chromosphere: a background model for fractionation", 1998A&A...333.1069P ADS
- Hackenberg, P., Mann, G., & Marsch, E., "Plasma Properties in Coronal Funnel", 1998cee.workE...41H ADS
- Marsch, E., "Solar Wind", in J. C. Vial, K. Bocchialini, and P. Boumier (Eds.), Space Solar Physics: Theoretical and Observational Issues in the Context of the SOHO Mission, Vol. 507, 107 1998LNP...507...107M ADS
- Schühle, U., Antonchov, S. K., Barbee, T. W., J., et al., "The Magnetic Reconnection Explorer (MAGREX)", 1998ESASP.417...289S ADS
- Marsch, E., Kogan, A., Axford, W. I., et al., "INTERHELIOS - Sun and Heliosphere Observer", 1998ESASP.417...91M ADS
- Axford, W. I., Marsch, E., Oraevsky, V. N., et al., "Space mission for exploration of the sun, mercury and inner heliosphere ("InterHelios")", 1998AdSpR...21...275A ADS
- Kallenbach, R., Ipavich, F. M., Bochsler, P., et al., "Isotopic composition of solar wind neon measured by CELIAS/MTOF on board SOHO", 1997JGR...10226895K ADS
- Wurz, P., Ipavich, F. M., Galvin, A. B., et al., "Elemental Composition Before, During, and After the January 6, 1997 CME Event Measured by CELIAS/SOHO", 1997ESASP.415...395W ADS
- Marsch, E., "Observations and Models of the Fast and Slow Solar Wind", 1997ESASP.415...7M ADS
- Marsch, E. & Tu, C. Y., "Solar Wind and Chromospheric Network", 1997SoPh...176...87M ADS
- Mann, G., Hackenberg, P., & Marsch, E., "Linear mode analysis in multi-ion plasmas", 1997JPlPh...58...205M ADS
- Grünwaldt, H., Neugebauer, M., Hilchenbach, M., et al., "Venus tail ray observation near Earth", 1997GeoRL...24.1163G ADS
- Tu, C. Y. & Marsch, E., "Two-Fluid Model for Heating of the Solar Corona and Acceleration of the Solar Wind by High-Frequency ALFVÉN Waves", 1997SoPh...171...363T ADS
- Marsch, E. & Tu, C. Y., "The effects of high-frequency Alfvén waves on coronal heating and solar wind acceleration.", 1997A&A...319L...17M ADS
- Tu, C. Y., Marsch, E., Ivory, K., & Schwenn, R., "Pressure enhancement associated with meridional flow in high-speed solar wind: possible evidence for an interplanetary magnetic flux rope", 1997AnGeo...15...137T ADS
- Feldman, W. C. & Marsch, E., "Kinetic Phenomena in the Solar Wind", 1997cwh...conf...617F ADS
- Lemaire, P., Wilhelm, K., Curdt, W., et al., "First Results of the SUMER Telescope and Spectrometer on SOHO - II. Imagery and Data Management", 1997SoPh...170...105L ADS
- Wilhelm, K., Lemaire, P., Curdt, W., et al., "First Results of the SUMER Telescope and Spectrometer on SOHO - I. Spectra and Spectroradiometry", 1997SoPh...170...75W ADS
- Peter, H. & Marsch, E., "Ionization Layer of Hydrogen in the Solar Chromosphere and the Solar Wind Mass Flux", 1997ESASP.404...591P ADS
- Marsch, E., Tu, C. Y., Wilhelm, K., et al., "Bright Plumes and Dark Lanes as Observed in MgX 625 Å and NV 1239 Å in the Solar Polar Corona", 1997ESASP.404...555M ADS
- Kucharek, H., Ipavich, F. M., Kallenbach, R., et al., "Magnesium Isotope Composition in the Solar Wind as Observed with the MTOF Sensor on the CELIAS Experiment On Board the SOHO Spacecraft", 1997ESASP.404...473K ADS
- Marsch, E., "Working Group 3: Coronal Hole Structure and High Speed Solar Wind", 1997ESASP.404...135M ADS
- Boschler, P., Hovestadt, D., Grünwaldt, H., et al., "The Sun at Minimum Activity: Results from the CELIAS Experiment on SOHO", 1997ESASP.404...37B ADS
- Astudillo, H. F., Livi, S., Marsch, E., & Rosenbauer, H., "Evidence for nongyro-tropic alpha particle and proton distribution functions: TAUS solar wind measurements", 1996JGR...10124423A ADS
- Liu, S., Marsch, E., Schwenn, R., & Rosenbauer, H., "A method for shock determination and classification", 1996AIPC...382...376L ADS
- Astudillo, H. F., Marsch, E., Livi, S., & Rosenbauer, H., "TAUS measurements of non-gyrotropic distribution functions of solar wind alpha particles", 1996AIPC...382...289A ADS
- Tu, C. Y. & Marsch, E., "Energy spectrum transfer equations of solar wind turbulence", 1996AIPC...382...233T ADS
- Marsch, E., "The microscopic state of the solar wind-links between composition, velocity distributions and waves", 1996AIPC...382...187M ADS
- Marsch, E. & Tu, C. Y., "Spatial evolution of the magnetic field spectral exponent in the solar wind: Helios and Ulysses comparison", 1996JGR...10111149M ADS
- Galvin, A. B., Ipavich, F. M., Gloeckler, G., et al., "Solar Wind Composition: First Results from SOHO and Future Expectations", 1996AAS...188.4905G ADS
- Tu, A. Y., Marsch, E., & Rosenbauer, H., "An extended structure-function model and its application to the analysis of solar wind intermittency properties", 1996AnGeo...14...270T ADS
- Marsch, E., Tu, C. Y., & Rosenbauer, H., "Multifractal scaling of the kinetic energy flux in solar wind turbulence", 1996AnGeo...14...259M ADS
- Peter, H. & Marsch, E., "First Steps to a Multi-fluid Model of the Solar Transition Region", 1996ApL&C...34...83P ADS
- Marsch, E. & Roux, A., "Payload requirements for the Solar Probe", 1996AdSpR...17c...31M ADS
- Aellig, M. R., Gruenwaldt, H., Hefti, S., et al., "Solar corona diagnostic with solar wind ion charge spectra.", 1996AchPh...69...49A ADS
- Hovestadt, D., Hilchenbach, M., Bürgi, A., et al., "CELIAS - Charge, Element and Isotope Analysis System for SOHO", 1995SoPh...162...441H ADS
- Wilhelm, K., Curdt, W., Marsch, E., et al., "SUMER - Solar Ultraviolet Measurements of Emitted Radiation", 1995SoPh...162...189W ADS
- Liu, S., Marsch, E., Livi, S., et al., "Radial gradients of ion densities and temperatures derived from SWICS/Ulysses observations", 1995GeoRL...22.2445L ADS
- Marsch, E., "Analysis of MHD Turbulence: Spectra of Ideal Invariants, Structure Functions and Intermittency Scalings", 1995ESASP.371...107M ADS
- Marsch, E., von Steiger, R., & Bochsler, P., "Element fractionation by diffusion in the solar chromosphere.", 1995A&A...301...261M ADS
- Tu, C. Y. & Marsch, E., "Book-Received - MHD Structures Waves and Turbulence in the Solar Wind - Observations and Theories", 1995Sci...269.1124T ADS
- Tu, C. Y. & Marsch, E., "Magnetohydrodynamic Structures Waves and Turbulence in the Solar Wind - Observations and Theories", 1995SSRv...73...1T ADS
- Tu, C. Y. & Marsch, E., "Comment on "Evolution of energy-containing turbulent eddies in the solar wind" by W. H. Matthaeus, S. Oughton, D. H. Pontius, Jr., and Y. Zhou", 1995JGR...10012323T ADS
- Liu, S., Marsch, E., Livi, S., et al., "Radial gradients of ion densities and temperatures observed by SWICS/Ulysses", 1995sowi.conf...96L ADS
- Tu, C. Y., Marsch, E., & Rosenbauer, H., "An extended structure-function model and its application to the analysis of solar wind intermittency", 1995sowi.conf...81T ADS
- Marsch, E., Rosenbauer, H., & Tu, C. Y., "Multifractal scaling of the kinetic energy flux in solar wind turbulence", 1995sowi.conf...81M ADS
- Astudillo, H. F., Marsch, E., Livi, S., & Rosenbauer, H., "Non-gyrotropic proton and alpha-particle velocity distributions in the solar wind: TAUS observations and stability analysis", 1995sowi.conf...74A ADS
- Marsch, E., "The microscopic state of the solar wind: Links between composition, velocity distributions, waves and turbulence", 1995sowi.conf...35M ADS
- Schmidt, J. M. & Marsch, E., "Spatial transport and spectral transfer of solar wind turbulence composed of Alfvén waves and convective structures 1: The theoretical model", 1995AnGeo...13...459S ADS
- Tu, C. Y. & Marsch, E.: 1995a, MHD structures, waves and turbulence in the solar wind: observations and theories 1995mswt.book...T ADS
- Tu, C. Y. & Marsch, E.: 1995b, MHD structures, waves and turbulence in the solar wind: observations and theories 1995mhd.book...T ADS
- Hovestadt, D., Bochsler, P., Grünwaldt, H., et al., "The Charge, Element, and Isotope Analysis System CELIAS on SOHO", in A. O. Benz and A. Krüger (Eds.), Coronal Magnetic Energy Releases, Vol. 444, 271 1995LNP...444...271H ADS
- Hackenberg, P., Mann, G., & Marsch, E., "Linear mode analysis in multi-ion plasmas.", 1995AGAb...11...315H ADS

- Tu, C. Y. & Marsch, E., "Erratum: "On the nature of compressive fluctuations in the solar wind" [*Journal of Geophysical Research*, 99, 21481-21510 (1994)]", 1994JGR...9923525T ADS
- Marsch, E. & Tu, C. Y., "Non-Gaussian probability distributions of solar wind fluctuations", 1994AnGeo...12.1127M ADS
- Tu, C. Y. & Marsch, E., "On the nature of compressive fluctuations in the solar wind", 1994JGR...9921481T ADS
- von Steiger, R. & Marsch, E., "Diffusive fractionation in the chromosphere", 1994SSRv...70...341V ADS
- Marsch, E., "Theoretical models for the solar wind", 1994AdSpR...14d.103M ADS
- Wilhelm, K., Curdt, W., Gabriel, A. H., et al., "'SUMER' - Solar Ultraviolet Measurements of Emitted Radiation", 1994scs.conf..619W ADS
- Labelle, J., Treumann, R. A., & Marsch, E., "Elsässer variable analysis of fluctuations in the ion foreshock and undisturbed solar wind", 1994JGR...99...65L ADS
- Marsch, E. & Tu, C. Y., "Modeling results on spatial transport and spectral transfer of solar wind Alfvénic turbulence", 1993JGR...9821045M ADS
- Schwenn, R., Marsch, E., & Schwartz, S. J., "Book-Review - Physics of the Inner Heliosphere - V2 - Particles Waves and Turbulence", 1993SSRv...64...371S ADS
- Marsch, E. & Tu, C. Y., "Correlations between the fluctuations of pressure, density, temperature and magnetic field in the solar wind.", 1993AnGeo...11...659M ADS
- Schwenn, R., Marsch, E., & Jackson, B. V., "Book-Review - Physics of the Inner Heliosphere - Part Two - Particles Waves and Turbulence", 1993SoPh...145R.405S ADS
- Schwenn, R., Marsch, E., & Jackson, B. V., "Book-Review - Physics of the Inner Heliosphere - Part One - Large-scale Phenomena", 1993SoPh...145Q.405S ADS
- Marsch, E., Schwenn, R., & Woan, G., "Book-Review - Solar Wind Seven", 1993Obs...113...151M ADS
- Wilhelm, K., Curdt, W., Marsch, E., et al., "SUMER - Solar Ultraviolet Measurements of Emitted Radiation", 1993BAAS...25.1192W ADS
- McKenzie, J. F., Marsch, E., Baumgaertel, K., & Sauer, K., "Wave and stability properties of multi-ion plasmas with applications to winds and flows", 1993AnGeo...11...341M ADS
- Marsch, E. & Liu, S., "Structure functions and intermittency of velocity fluctuations in the inner solar wind.", 1993AnGeo...11...227M ADS
- Marsch, E. & Schwenn, R., "Books-Received - Solar Wind Seven", 1993Sci...259.1634M ADS
- Tu, C. Y. & Marsch, E., "A model of solar wind fluctuations with two components: Alfvén waves and convective structures", 1993JGR...98.1257T ADS
- Marsch, E. & Tu, C. Y., "MHD Turbulence in the Solar Wind and Interplanetary Dynamo Effects", 1993IAUS...157...51M ADS
- Lemaire, P., Wilhelm, K., Axford, W. I., et al., "SUMER: temperatures, densities, and velocities in the outer solar atmosphere.", 1992ESASP.348...13L ADS
- Hovestadt, D., Geiss, J., Gloeckler, G., et al., "CELIAS: charge, element and isotope analysis system for the SOHO mission.", 1992ESASP.346...343H ADS
- Marsch, E., Liu, S., Rosenbauer, H., & Tu, C. Y., "Spectra and structure functions of temperature fluctuations in the inner solar wind.", 1992ESASP.346...315M ADS
- Wilhelm, K., Axford, W. I., Curdt, W., et al.: 1992, "SUMER" - Solar Ultraviolet Measurements of Emitted Radiation., In ESA, Environment Observation and Climate Modelling Through International Space Projects. Space Sciences with Particular Emphasis on High-Energy Astrophysics p 225-226 (SEE N93-23878 08-88) 1992eocm.rept..225W ADS
- Lemaire, P. & Marsch, E., "Planned observations at high resolution from space.", 1992ESASP.344...15L ADS
- Damé, L., Acton, L., Bruner, M. E., et al., "Design Rationale of the Solar Ultraviolet Network / Sun", 1992ESOC...39...995D ADS
- Tu, C. Y., Marsch, E., & Rosenbauer, H., "Correlations between the level of MHD fluctuations and the bulk speed and mass flux in the solar wind", 1992sws.coll..555T ADS
- Tu, C. Y. & Marsch, E., "The evolution of MHD turbulence in the solar wind", 1992sws.coll..549T ADS
- Marsch, E. & Tu, C. Y., "Electric field fluctuations and possible dynamo effects in the solar wind", 1992sws.coll..505M ADS
- Marsch, E., "Introduction to kinetic physics, waves and turbulence in the solar wind", 1992sws.coll..499M ADS
- Mann, G., Marsch, E., & Roberts, B., "Surface and body waves in solar wind flow tubes", 1992sws.coll..495M ADS
- Wilhelm, K., Axford, W. I., Gurd, W., et al., "SUMER - Solar ultraviolet measurements of emitted radiation", 1992sws.coll..129W ADS
- Marsch, E., "On the possible role of plasma waves in the heating of chromosphere and corona", 1992sws.coll...65M ADS
- "Solar Wind Seven; Proceedings of the 3rd COSPAR Colloquium, Goslar, Germany, Sept. 16-20, 1991", 1992sws.coll...M ADS
- Tu, C. Y., Marsch, E., & Rosenbauer, H., "Temperature fluctuation spectra in the inner solar wind.", 1991AnGeo...9...748T ADS
- Tu, C. Y. & Marsch, E., "A case study of very low cross-helicity fluctuations in the solar wind.", 1991AnGeo...9...319T ADS
- Belcher, J. W., Slavin, J. A., Armstrong, T. P., et al.: 1991, Mercury Orbiter: report of the Science Working Team. 1991mors.book...B ADS
- Schwenn, R. & Marsch, E., "Book-Review - Physics of the Inner Heliosphere - Part One - Large-scale Phenomena", 1991Sci...251...578S ADS
- Marsch, E., "MHD Turbulence in the Solar Wind", in Physics of the Inner Heliosphere II, Vol. 21, 159-241 1991pihp.book..159M ADS
- Marsch, E., "Kinetic Physics of the Solar Wind Plasma", in Physics of the Inner Heliosphere II, Vol. 21, 45-133 1991pihp.book...45M ADS
- Schwenn, R. & Marsch, E.: 1991, Physics of the Inner Heliosphere II. Particles, Waves and Turbulence 1991pihp.book...S ADS
- Marsch, E., "Signatures of Coronal Structures and Turbulence in the Solar Wind (With 1 Figure)", 1991mcch.conf..162M ADS
- Marsch, E., "Turbulence in the Solar Wind.", 1991RvMA...4...145M ADS
- Thieme, K. M., Marsch, E., & Schwenn, R., "Spatial structures in high-speed streams as signatures of fine structures in coronal holes.", 1990AnGeo...8...713T ADS
- Tu, C. Y. & Marsch, E., "Transfer equations for spectral densities of inhomogeneous MHD turbulence", 1990JPlPh...44...103T ADS
- Marsch, E. & Tu, C. Y., "Spectral and spatial evolution of compressible turbulence in the inner solar wind", 1990JGR...9511945M ADS
- Marsch, E. & Tu, C. Y., "On the radial evolution of MHD turbulence in the Inner heliosphere", 1990JGR...95.8211M ADS
- Grappin, R., Mangeney, A., & Marsch, E., "On the origin of solar wind MHD turbulence: Helios data revisited", 1990JGR...95.8197G ADS
- Rosenbauer, H., Shutte, N., Apathy, I., et al., "First Measurements of Ions of Martian Origin and Observation of a Plasma Layer in the Magnetosphere of Mars - the TAUS Experiment on the Spacecraft PHOBOS-2", 1990SvAL...16...156R ADS
- Rosenbauer, H., Shutte, N., Apathy, I., et al., "First results of measurements of ions of Martian origin and the discovery of a plasma sheet in the Martian magnetosphere in the TAUS experiment on Phobos-2", 1990PAZh...16...368R ADS
- Tu, C. Y. & Marsch, E., "Evidence for a "background" spectrum of solar wind turbulence in the inner heliosphere", 1990JGR...95.4337T ADS
- Tu, C. Y., Marsch, E., & Rosenbauer, H., "The dependence of MHD turbulence spectra on the inner solar wind stream structure near solar minimum", 1990GeoRL...17...283T ADS
- Marsch, E., "Introduction to MHD turbulence.", 1990ppst.conf...93M ADS
- Marsch, E. & Schwenn, R., "Introduction", in R. Schwenn and E. Marsch (Eds.), Physics of the Inner Heliosphere I, 1 1990pihl.book...1M ADS
- Schwenn, R. & Marsch, E.: 1990, Physics of the Inner Heliosphere I. Large-Scale Phenomena. 1990pihl.book...S ADS
- Rosenbauer, H., Shutte, N., Apathy, I., et al., "Ions of martian origin and plasma sheet in the martian magnetosphere: initial results of the TAUS experiment", 1989Natur.341...612R ADS
- Tu, C. Y., Marsch, E., & Thieme, K. M., "Basic properties of solar wind MHD turbulence near 0.3 AU analyzed by means of Elsässer variables", 1989JGR...9411739T ADS
- Marsch, E. & Tu, C. Y., "Dynamics of correlation functions with Elsässer variables for inhomogeneous MHD turbulence", 1989JPlPh...41...479M ADS
- Marsch, E., Pilipp, W. G., Thieme, K. M., & Rosenbauer, H., "Cooling of solar wind electrons inside 0.3 AU", 1989JGR...94.6893M ADS
- Thieme, K. M., Marsch, E., & Rosenbauer, H., "Estimates of Alpha particle heating in the solar wind inside 0.3 AU", 1989JGR...94.2673T ADS
- Grappin, R., Mangeney, A., & Marsch, E., "On the origin of solar wind turbulence. Helios data revisited.", 1989tndm.conf...81G ADS
- Marsch, E., "Wave-Particle Interactions in the Solar Wind. (invited paper)", 1989npvp.conf..145M ADS
- Kikuchi, H., Gunnett, D. A., Anderson, R. R., et al., "Type II Interplanetary Radio Bursts and Electron Plasma Oscillations Associated with Interplanetary Shocks, Superthermal Electrons, and Low/Medium Energy Protons", 1989sp.conf..415K ADS
- Thieme, K. M., Schwenn, R., & Marsch, E., "Are structures in high-speed streams signatures of coronal fine structures?", 1989AdSpR...9d.127T ADS
- Curdt, W., Wilhelm, K., Axford, W. I., et al., "SUMER - Solar ultraviolet measurements of emitted radiation.", 1989AGAb...2...14C ADS
- Wilhelm, K., Axford, W. I., Curdt, W., et al.: 1988, SUMER: Solar Ultraviolet Measurements of Emitted Radiation, In ESA, The SOHO Mission. Scientific and Technical Aspects of the Instruments p 31-37 (SEE N90-13302 04-92) 1988sohi.rept...31W ADS

- Richter, A. K. & Marsch, E., "HELIOS observational constraints on the development of interplanetary shock.", 1988AnGeo...6...319R ADS
- Hernandez, R., Livi, S., & Marsch, E., "On the He<sup>2</sup> to H temperature ratio in slow solar wind", 1987JGR...92.7723H ADS
- Marsch, E. & Mangeney, A., "Ideal MHD equations in terms of compressible Elsässer variables", 1987JGR...92.7363M ADS
- Marsch, E. & Livi, S., "Observational evidence for marginal stability of solar wind ion beams", 1987JGR...92.7263M ADS
- Livi, S. & Marsch, E., "Generation of solar wind proton tails and double beams by Coulomb collisions", 1987JGR...92.7255L ADS
- Thieme, K. M., Marsch, E., & Schwenn, R., "Relationship between Structures in the Solar Wind and Their Source Regions in the Corona", 1987sowi.conf..317T ADS
- Marsch, E. & Richter, A. K., "On the equation of state and collision time for a multicomponent, anisotropic solar wind.", 1987AnGeo...5...71M ADS
- Livi, S. & Marsch, E., "On the collisional relaxation of solar wind velocity distributions.", 1986AnGeo...4...333L ADS
- Marsch, E., "Acceleration potential and angular momentum of undamped MHD-waves in stellar winds", 1986A&A...164...77M ADS
- Livi, S., Marsch, E., & Rosenbauer, H., "Coulomb collisional domains in solar wind", 1986JGR...91.8045L ADS
- Hernandez, R. & Marsch, E., "Collisional transfer of energy and momentum between drifting tri-Maxwellians", 1986JP1Ph..35..473H ADS
- Hernandez, R. & Marsch, E., "Collisional time scales for temperature and velocity exchange between drifting Maxwellians", 1985JGR...9011062H ADS
- Marsch, E. & Livi, S., "Coulomb self-collision frequencies for non-thermal velocity distributions in the solar wind.", 1985AnGeo...3...545M ADS
- Marsch, E., "Beam-driven electron acoustic waves upstream of the earth's bow shock", 1985JGR...90.6327M ADS
- Marsch, E., "Energy Input Into the Solar Wind", 1985ESASP.235...11M ADS
- Marsch, E. & Livi, S., "Coulomb collision rates for self-similar and kappa distributions", 1985PhFl...28.1379M ADS
- Richter, A. K., Hsieh, K. C., Luttrell, A. H., Marsch, E., & Schwenn, R., "Review of interplanetary shock phenomena near and within 1 AU", 1985GMS...35...33R ADS
- Marsch, E., "Velocity Distributions of Solar Wind Ions & ELECTRONS", 1984ESASP.207...33M ADS
- Marsch, E. & Richter, A. K., "Helios observational constraints on solar wind expansion", 1984JGR...89.6599M ADS
- Marsch, E. & Richter, A. K., "Distribution of solar wind angular momentum between particles and magnetic field: Inferences about the Alfvén critical point from helios observations", 1984JGR...89.5386M ADS
- Marsch, E. & Goldstein, H., "The effects of Coulomb collisions on solar wind ion velocity distributions", 1983JGR...88.9933M ADS
- Schwartz, S. J. & Marsch, E., "The radial evolution of a single solar wind plasma parcel", 1983JGR...88.9919S ADS
- Marsch, E., "Radial evolution of ion distribution functions.", 1983NASCP.2280.355M ADS
- Marsch, E. & Chang, T., "Electromagnetic lower hybrid waves in the solar wind", 1983JGR...88.6869M ADS
- Pizzo, V., Schwenn, R., Marsch, E., et al., "Determination of the solar wind angular momentum flux from the HELIOS data - an observational test of the Weber and Davis theory", 1983ApJ...271..335P ADS
- Marsch, E., Muehlhaeuser, K. H., Rosenbauer, H., & Schwenn, R., "On the equation of state of solar wind ions derived from Helios measurements", 1983JGR...88.2982M ADS
- Marsch, E. & Chang, T., "Lower hybrid waves in the solar wind", 1982GeoRL...9.1155M ADS
- Marsch, E., Goertz, C. K., & Richter, K., "Wave heating and acceleration of solar wind ions by cyclotron resonance", 1982JGR...87.5030M ADS
- Marsch, E., Schwenn, R., Rosenbauer, H., et al., "Solar wind protons: Three-dimensional velocity distributions and derived plasma parameters measured between 0.3 and 1 AU", 1982JGR...87...52M ADS
- Marsch, E., Rosenbauer, H., Schwenn, R., Muehlhaeuser, K. H., & Neubauer, F. M., "Solar wind helium ions: observations of the Helios solar probes between 0.3 and 1 AU", 1982JGR...87...35M ADS
- McKenzie, J. F. & Marsch, E., "Resonant Wave Acceleration of Minor Ions in the Solar Wind", 1982Ap&SS..81..295M ADS
- Marsch, E.: 1981a, Wave heating and acceleration of solar wind ions by cyclotron resonance, In ESA Plasma Astrophys. p 405-406 (SEE N82-20030 10-88) 1981plap.rept..405M ADS
- Marsch, E., "Wave heating and acceleration of solar wind ions by cyclotron resonance", 1981ESASP.161..405M ADS
- Marsch, E., Rosenbauer, H., Schwenn, R., Muehlhaeuser, K. H., & Denskat, K. U., "Pronounced proton core temperature anisotropy, ion differential speed, and simultaneous Alfvén wave activity in slow solar wind at 0.3 AU", 1981JGR...86.9199M ADS
- Marsch, E., Muehlhaeuser, K. H., Pilipp, W., Schwenn, R., & Rosenbauer, H., "Initial Results on Solar Wind Alpha Particle Distributions as Measured by HELIOS Between 0.3AU and 1AU", 1981sowi.conf..443M ADS
- Rosenbauer, H., Marsch, E., Muehlhaeuser, K. H., Pilipp, W., & Schwenn, R., "HELIOS - Indications of Resonant Wave-Particle Interaction in Fast Stream Solar Wind Ion Distributions", 1981sowi.conf..353R ADS
- Dum, C. T., Marsch, E., Pilipp, W., & Gurnett, D. A., "Ion Sound Turbulence in the Solar Wind", 1981sowi.conf..299D ADS
- Marsch, E., Pilipp, W. G., Schwenn, R., Muehlhaeuser, K. H., & Rosenbauer, H., "Some Characteristics of Proton Velocity Distributions in the Solar Wind as Observed by the HELIOS Solar Probes", 1981sowi.conf..273M ADS
- Pilipp, W. G., Schwenn, R., Marsch, E., Muehlhaeuser, K. H., & Rosenbauer, H., "Electron Characteristics in the Solar Wind as Deduced from HELIOS Observations", 1981sowi.conf..241P ADS
- Schwenn, R., Muehlhaeuser, K. H., Marsch, E., & Rosenbauer, H., "Two States of the Solar Wind at the Time of Solar Activity Minimum - Part Two - Radial Gradients of Plasma Parameters in Fast and Slow Streams", 1981sowi.conf..126S ADS
- Dum, C. T., Marsch, E., & Pilipp, W., "Determination of wave growth from measured distribution functions and transport theory", 1980JP1Ph..23...91D ADS
- Gurnett, D. A., Marsch, E., Pilipp, W., Schwenn, R., & Rosenbauer, H., "Ion acoustic waves and related plasma observations in the solar wind", 1979JGR...84.2029G ADS
- Rosenbauer, H., Schwenn, R., Marsch, E., et al., "A survey on initial results of the HELIOS plasma experiment", 1977JGZG...42..561R ADS
- Marsch, E.: 1976, Ph.D. thesis, Christian Albrechts University of Kiel, Germany 1976PhDT.....272M ADS