

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

- Morton, R. J., Sharma, R., Tajfirouzhe, E., & Miriyala, H., “Alfvénic waves in the inhomogeneous solar atmosphere”, 2022arXiv220805222M ADS
- Yang, Z., Gibson, S., He, J., et al., “Magnetoseismology for the solar corona: from 10 Gauss to coronal magnetograms”, 2022cosp...44.2490Y ADS
- Peter, H., Chitta, L. P., Chen, F., et al., “Parallel Plasma Loops and the Energization of the Solar Corona”, 2022ApJ...933..153P ADS
- Morton, R. J., Tiwari, A. K., Van Doorselaere, T., & McLaughlin, J. A., “Weak Damping of Propagating MHD Kink Waves in the Quiescent Corona”, 2021ApJ...923..225M ADS
- Tajfirouze, E., Morton, R., & Asgari-Targhi, M., “Tracking the Alfvén Waves in Closed Coronal Structure”, 2021AGUFM25A2080T ADS
- Yang, Z., Bethge, C., Tian, H., et al., “Magnetoseismology for the solar corona: from 10 Gauss to coronal magnetograms”, 2021AGUFM12C..07Y ADS
- Morton, R., McLaughlin, J., Tiwari, A., & Van Doorselaere, T., “Is phase mixing important in the quiet Sun?”, 2021AGUFM12B..09M ADS
- Tiwari, A. K., Morton, R. J., & McLaughlin, J. A., “A Statistical Study of Propagating MHD Kink Waves in the Quiescent Corona”, 2021ApJ...919..74T ADS
- Rast, M. P., Bello González, N., Bellot Rubio, L., et al., “Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST)”, 2021SoPh...296...70R ADS
- Yang, Z., Bethge, C., Tian, H., et al., “Mapping the global magnetic field in the solar corona through magnetoseismology”, 2021EGUGA..23..642Y ADS
- Morton, R. J., Moorooogen, K., & Henriques, V. M. J., “Transverse motions in sunspot super-penumbra fibrils”, 2021RSPTA.37900183M ADS
- Jafarzadeh, S., Wedemeyer, S., Fleck, B., et al., “An overall view of temperature oscillations in the solar chromosphere with ALMA”, 2021RSPTA.37900174J ADS
- Yang, Z., Tian, H., Tomczyk, S., et al., “Mapping the magnetic field in the solar corona through magnetoseismology”, 2020ScChE..63.2357Y ADS
- Pagano, P., De Moortel, I., & Morton, R. J., “Effect of coronal loop structure on wave heating through phase mixing”, 2020A&A...643A..73P ADS
- Zouganelis, I., De Groof, A., Walsh, A. P., et al., “The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action”, 2020A&A...642A...3Z ADS
- Yang, Z., Bethge, C., Tian, H., et al., “Global maps of the magnetic field in the solar corona”, 2020Sci...369..694Y ADS
- Warren, H. P., Reep, J. W., Crump, N. A., et al., “Observation and Modeling of High-temperature Solar Active Region Emission during the High-resolution Coronal Imager Flight of 2018 May 29”, 2020ApJ...896...51W ADS
- Brooks, D. H., Winebarger, A. R., Savage, S., et al., “The Drivers of Active Region Outflows into the Slow Solar Wind”, 2020ApJ...894...144B ADS
- Weberg, M. J., Morton, R. J., & McLaughlin, J. A., “Using Transverse Waves to Probe the Plasma Conditions at the Base of the Solar Wind”, 2020ApJ...894...79W ADS
- Williams, T., Walsh, R. W., Winebarger, A. R., et al., “Is the High-Resolution Coronal Imager Resolving Coronal Strands? Results from AR 12712”, 2020ApJ...892...134W ADS
- Jess, D. B., Snow, B., Houston, S. J., et al., “A chromospheric resonance cavity in a sunspot mapped with seismology”, 2020NatAs...4..220J ADS
- Rachmeler, L. A., Winebarger, A. R., Savage, S. L., et al., “The High-Resolution Coronal Imager, Flight 2.1”, 2019SoPh...294..174R ADS
- Panesar, N. K., Sterling, A. C., Moore, R. L., et al., “Hi-C 2.1 Observations of Jetlet-like Events at Edges of Solar Magnetic Network Lanés”, 2019ApJ...887L...8P ADS
- Tiwari, S. K., Panesar, N. K., Moore, R. L., et al., “Fine-scale Explosive Energy Release at Sites of Prospective Magnetic Flux Cancellation in the Core of the Solar Active Region Observed by Hi-C 2.1, IRIS, and SDO”, 2019ApJ...887...56T ADS
- Pant, V., Magyar, N., Van Doorselaere, T., & Morton, R. J., “Investigating textquotedblleftDarktextquotedblright Energy in the Solar Corona Using Forward Modeling of MHD Waves”, 2019ApJ...881...95P ADS
- Weberg, M. J., Morton, R., McLaughlin, J., Laming, M., & Ko, Y.-K., “Exploring the Properties of Transverse Waves at the Base of the Solar Wind”, 2019shin.confE.173W ADS
- Tiwari, A. K., Morton, R. J., Régnier, S., & McLaughlin, J. A., “Damping of Propagating Kink Waves in the Solar Corona”, 2019ApJ...876...106T ADS
- Morton, R. J., Weberg, M. J., & McLaughlin, J. A., “A basal contribution from p-modes to the Alfvénic wave flux in the Sun’s corona”, 2019NatAs...3..223M ADS
- Pant, V., Magyar, N., Van Doorselaere, T., & Morton, R., “Variation of Doppler velocity with non-thermal line width in a gravitationally stratified plasma”, 2018csc...confE...70P ADS
- Keys, P. H., Morton, R. J., Jess, D. B., et al., “Photospheric Observations of Surface and Body Modes in Solar Magnetic Pores”, 2018ApJ...857...28K ADS
- Weberg, M. J., Morton, R. J., & McLaughlin, J. A., “An Automated Algorithm for Identifying and Tracking Transverse Waves in Solar Images”, 2018ApJ...852...57W ADS
- Weberg, M. J., Morton, R. J., & McLaughlin, J. A., “Annual Properties of Transverse Waves in the Corona over most of Solar Cycle 24”, 2017AGUFM42B..07W ADS
- Proserpio, L., Campana, S., Citterio, O., et al., “Design and development by direct polishing of the WFXT thin polynomial mirror shells”, 2017SPIE10565E..2NP ADS
- Long, D. M., Valori, G., Pérez-Suárez, D., Morton, R. J., & Vázquez, A. M., “Measuring the magnetic field of a trans-equatorial loop system using coronal seismology (Corrigendum)”, 2017A&A...607C...3L ADS
- Moorooogen, K., Morton, R. J., & Henriques, V., “Dynamics of internetwork chromospheric fibrils: Basic properties and magnetohydrodynamic kink waves”, 2017A&A...607A..46M ADS
- Krishna Prasad, S., Jess, D. B., Van Doorselaere, T., et al., “The Frequency-dependent Damping of Slow Magnetoacoustic Waves in a Sunspot Umbral Atmosphere”, 2017ApJ...847...5K ADS
- Long, D. M., Valori, G., Pérez-Suárez, D., Morton, R. J., & Vázquez, A. M., “Measuring the magnetic field of a trans-equatorial loop system using coronal seismology”, 2017A&A...603A.101L ADS
- Snow, B., Botha, G. J. J., Régnier, S., et al., “Observational Signatures of a Kink-unstable Coronal Flux Rope Using Hinode/EIS”, 2017ApJ...842...16S ADS
- Alvarez Gonzalez, F., Badilita, A. M., Baker, A., et al., “Project SunbYte: solar astronomy on a budget”, 2017A&G...58d2.24A ADS
- Winebarger, A. R., Cirtain, J. W., Golub, L., et al., “The importance of high-resolution observations of the solar corona”, 2016AGUFM31B2577W ADS
- Weberg, M. J., Morton, R. J., & McLaughlin, J. A., “Automating Direct Observations of Transverse Waves in the Solar Corona”, 2016AGUFM21E2576W ADS
- Morton, R. J., Scullion, E., Bloomfield, D. S., et al., “Exploring Coronal Dynamics: A Next Generation Solar Physics Mission white paper”, 2016arXiv161106149M ADS
- Morton, R. J., Tomczyk, S., & Pinto, R. F., “A Global View of Velocity Fluctuations in the Corona below 1.3 R_⊙ with CoMP”, 2016ApJ...828...89M ADS
- Morton, R. J. & Moorooogen, K., “Model fitting of kink waves in the solar atmosphere: Gaussian damping and time-dependence”, 2016A&A...593A..59M ADS
- Banerjee, D., Chandrashekar, K., Morton, R., Pant, V., & Datta, A., “Tornadoes and Transverse Oscillations during Prominence Eruption”, 2016cosp...41E.141B ADS
- Morton, R. J., Moorooogen, K., & McLaughlin, J. A.: 2016, Nuwt: Northumbria University Wave Tracking (Nuwt) Code, Zenodo 2016zndo....49563M ADS
- Freij, N., Dorotovič, I., Morton, R. J., et al., “On the Properties of Slow MHD Sausage Waves within Small-scale Photospheric Magnetic Structures”, 2016ApJ...817...44F ADS
- Jess, D. B., Morton, R. J., Verth, G., et al., “Multiwavelength Studies of MHD Waves in the Solar Chromosphere. An Overview of Recent Results”, 2015SSRv...190..103J ADS
- Morton, R. J., Tomczyk, S., & Pinto, R., “Investigating Alfvénic wave propagation in coronal open-field regions”, 2015NatCo...6.7813M ADS
- Grant, S. D. T., Jess, D. B., Moreels, M. G., et al., “Wave Damping Observed in Upwardly Propagating Sausage-mode Oscillations Contained within a Magnetic Pore”, 2015ApJ...806..132G ADS
- Thurgood, J. O., Morton, R. J., & McLaughlin, J. A., “First Direct Measurements of Transverse Waves in Solar Polar Plumes Using SDO/AIA”, 2014ApJ...790L...2T ADS
- Morton, R. J. & McLaughlin, J. A., “High-resolution Observations of Active Region Moss and its Dynamics”, 2014ApJ...789..105M ADS
- Alexander, C., Winebarger, A. R., Morton, R., & Savage, S., “Dynamic moss observed with Hi-C”, 2014AAS...22431206A ADS
- Morton, R. J., “Magneto-seismological insights into the penumbra chromosphere and evidence for wave damping in spicules”, 2014A&A...566A..90M ADS
- Morton, R. J., Verth, G., Hillier, A., & Erdélyi, R., “The Generation and Damping of Propagating MHD Kink Waves in the Solar Atmosphere”, 2014ApJ...784...29M ADS
- Chandrashekar, K., Morton, R. J., Banerjee, D., & Gupta, G. R., “The dynamical behaviour of a jet in an on-disk coronal hole observed with AIA/SDO”, 2014A&A...562A..98C ADS
- Morton, R. & McLaughlin, J., “High-resolution observations of active region moss and its dynamics”, 2014cosp...40E2181M ADS

- Morton, R., “Magneto-seismological insights into the penumbral chromosphere and evidence for wave damping in chromospheric wave-guides”, 2014cosp...40E2180M [ADS](#)
- Banerjee, D., Chandrashekar, K., & Morton, R., “Transverse Oscillations observed in a Jet and coronal seismology”, 2014cosp...40E.204B [ADS](#)
- Hillier, A., Morton, R. J., & Erdélyi, R., “A Statistical Study of Transverse Oscillations in a Quiescent Prominence”, 2013ApJ...779L..16H [ADS](#)
- Kuridze, D., Verth, G., Mathioudakis, M., et al., “Characteristics of Transverse Waves in Chromospheric Mottles”, 2013ApJ...779...82K [ADS](#)
- Morton, R. J. & McLaughlin, J. A.: 2013, *Hi-C and AIA observations of transverse magnetohydrodynamic waves in active regions (Corrigendum)*, *Astronomy & Astrophysics*, Volume 556, id.C1, 1 pp. 2013A&A...556C...1M [ADS](#)
- Morton, R. J., Verth, G., Fedun, V., Shelyag, S., & Erdélyi, R., “Evidence for the Photospheric Excitation of Incompressible Chromospheric Waves”, 2013ApJ...768...17M [ADS](#)
- Morton, R. J. & McLaughlin, J. A., “Hi-C and AIA observations of transverse magnetohydrodynamic waves in active regions”, 2013A&A...553L...10M [ADS](#)
- Morton, R., Verth, G., Erdelyi, R., & Srivastava, A., “SDO/AIA observations of periodic and quasi-periodic phenomenon associated with an EUV jet”, 2013EGUGA...15...52M [ADS](#)
- Morton, R. J., Verth, G., Jess, D. B., et al., “Observations of ubiquitous compressive waves in the Sun’s chromosphere”, 2012NatCo...3.1315M [ADS](#)
- Civitani, M. M., Citterio, O., Campana, S., et al., “Thin glass shell oriented to wide field x-ray telescope”, 2012SPIE.8443E..00C [ADS](#)
- Srivastava, A. K., Von Fay-Siebenburgen Erdélyi, R., Fedun, V., Ravindra, B., & Morton, R. J., “Observations of Magneto-acoustic Waves above the Intensity Enhanced Quiet Sun Regions from Hinode/SOT”, 2012cosp...39.1883S [ADS](#)
- Morton, R. J., “Chromospheric jets around the edges of sunspots”, 2012A&A...543A...6M [ADS](#)
- Morton, R. J., Srivastava, A. K., & Erdélyi, R., “Observations of quasi-periodic phenomena associated with a large blowout solar jet”, 2012A&A...542A..70M [ADS](#)
- Kuridze, D., Morton, R. J., Erdélyi, R., et al., “Transverse Oscillations in Chromospheric Mottles”, 2012ApJ...750...51K [ADS](#)
- Morton, R. J., Verth, G., McLaughlin, J. A., & Erdélyi, R., “Determination of Sub-resolution Structure of a Jet by Solar Magnetoseismology”, 2012ApJ...744...5M [ADS](#)
- Morton, R. J., Ruderman, M. S., & Erdélyi, R., “Torsional Alfvén waves: magneto-seismology in static and dynamic coronal plasmas”, 2011A&A...534A..27M [ADS](#)
- Citterio, O., Civitani, M. M., Arnold, J., et al., “Progress on precise grinding and polishing of thin glass monolithic shell (towards WFXT)”, 2011SPIE.8147E..14C [ADS](#)
- Erdélyi, R., Al-Ghafri, K. S., & Morton, R. J., “Damping of Longitudinal Magneto-Acoustic Oscillations in Slowly Varying Coronal Plasma”, 2011SoPh..272...73E [ADS](#)
- Morton, R. J., Erdélyi, R., Jess, D. B., & Mathioudakis, M., “Observations of Sausage Modes in Magnetic Pores”, 2011ApJ...729L..18M [ADS](#)
- Morton, R. J. & Ruderman, M. S., “Kink and fluting modes of stratified coronal magnetic loops with elliptical cross-sections”, 2011A&A...527A..53M [ADS](#)
- Morton, R. J. & Erdélyi, R., “Application of the theory of damping of kink oscillations by radiative cooling of coronal loop plasma”, 2010A&A...519A..43M [ADS](#)
- Proserpio, L., Campana, S., Citterio, O., et al., “Design and development of thin quartz glass WFXT polynomial mirror shells by direct polishing”, 2010SPIE.7732E..0DP [ADS](#)
- Morton, R. J., Hood, A. W., & Erdélyi, R., “Propagating magneto-hydrodynamic waves in a cooling homogenous coronal plasma”, 2010A&A...512A..23M [ADS](#)
- Morton, R. J. & Erdélyi, R., “Transverse Oscillations of a Cooling Coronal Loop”, 2009ApJ...707..750M [ADS](#)
- Morton, R. J. & Erdélyi, R., “The effect of elliptic shape on the period ratio P_1/P_2 of emerging coronal loops”, 2009A&A...502...315M [ADS](#)
- Erdélyi, R. & Morton, R. J., “Magnetohydrodynamic waves in a compressible magnetic flux tube with elliptical cross-section”, 2009A&A...494..295E [ADS](#)
- Beaucamp, A., Freeman, R., Morton, R., Ponudurai, K., & Walker, D. D., “Removal of diamond-turning signatures on x-ray mandrels and metal optics by fluid-jet polishing”, 2008SPIE.7018E..35B [ADS](#)
- Walker, D. D., Beaucamp, A., Dunn, C., et al., “Active control of edges and global microstructure on segmented mirrors”, 2008SPIE.7018E..12W [ADS](#)
- Walker, D. D., Beaucamp, A. T. H., Doubrovski, V., et al., “Automated optical fabrication: first results from the new Precessions 1.2m CNC polishing machine”, 2006SPIE.6273E..09W [ADS](#)
- Walker, D. D., Beaucamp, A. T., Doubrovski, V., et al., “Recent advances in the control of form and texture on free-form surfaces”, 2005SPIE.5965..249W [ADS](#)
- Walker, D. D., Beaucamp, A. T. H., Doubrovski, V., et al., “New results extending the Precessions process to smoothing ground aspheres and producing freeform parts”, 2005SPIE.5869...79W [ADS](#)
- Morton, R. J. & Kaiser, R. I., “Kinetics of suprathermal hydrogen atom reactions with saturated hydrides in planetary and satellite atmospheres”, 2003P&SS...51..365M [ADS](#)
- Jankel, A., Morton, R., & Dearing, A., “Book-Review - Creative Computer Graphics”, 1985Natur.314..688J [ADS](#)
- Cameron, M., Collerson, K. D., Compston, W., & Morton, R., “The statistical analysis and interpretation of imperfectly-fitted Rb-Sr isochrons from polymetamorphic terrains (reply to a comment by H. Austrheim)”, 1983GeCoA..47..659C [ADS](#)
- Cameron, M., Collerson, K. D., Compston, W., & Morton, R., “The statistical analysis and interpretation of imperfectly-fitted Rb-Sr isochrons from polymetamorphic terrains”, 1981GeCoA..45.1087C [ADS](#)