

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

- Ramsey, B., Verwichte, E., & Morgan, H., “An automated method to detect, track and characterise bright points in multi-instrument solar imagery”, [2022cosp...44.2515R ADS](#)
- Erdélyi, R., Damé, L., Fludra, A., et al., “HiRISE - High-Resolution Imaging and Spectroscopy Explorer - Ultrahigh resolution, interferometric and external occulting coronagraphic science”, [2022ExA...tmp...21E ADS](#)
- Shetye, J., Verwichte, E., Stangalini, M., & Doyle, J. G., “The Nature of High-frequency Oscillations Associated with Short-lived Spicule-type Events”, [2021arXiv211214486S ADS](#)
- Shetye, J., Verwichte, E., Stangalini, M., & Doyle, J. G., “The Nature of High-frequency Oscillations Associated with Short-lived Spicule-type Events”, [2021ApJ...921...30S ADS](#)
- White, S. J. & Verwichte, E., “Acoustic response to transverse oscillations in a solar coronal loop”, [2021A&A...654A..33W ADS](#)
- Dafydd Humphries, L., Verwichte, E., Kuridze, D., & Morgan, H., “Multiwavelength Imaging and Spectral Analysis of Jet-like Phenomena in a Solar Active Region Using IRIS and AIA”, [2020arXiv201004042D ADS](#)
- Humphries, L. D., Verwichte, E., Kuridze, D., & Morgan, H., “Multiwavelength Imaging and Spectral Analysis of Jet-like Phenomena in a Solar Active Region Using IRIS and AIA”, [2020ApJ...898...17H ADS](#)
- Murabito, M., Shetye, J., Stangalini, M., et al., “Unveiling the magnetic nature of chromospheric vortices”, [2020A&A...639A..59M ADS](#)
- Kohutova, P., Verwichte, E., & Froment, C., “First direct observation of a torsional Alfvén oscillation at coronal heights”, [2020A&A...633L..6K ADS](#)
- Kohutova, P., Verwichte, E., & Froment, C., “First direct observation of a torsional Alfvén oscillation at coronal heights”, [2019arXiv191203954K ADS](#)
- Kohutova, P., Verwichte, E., & Froment, C., “Formation of coronal rain triggered by impulsive heating associated with magnetic reconnection”, [2019A&A...630A.123K ADS](#)
- Shetye, J., Verwichte, E., Stangalini, M., et al., “Multiwavelength High-resolution Observations of Chromospheric Swirls in the Quiet Sun”, [2019ApJ...881...83S ADS](#)
- Verwichte, E., Kohutova, P., Antolin, P., Rowlands, G., & Neukirch, T., “Excitation and Evolution of Transverse Loop Oscillations by Coronal Rain”, [2018IAUS..335...36V ADS](#)
- Kohutova, P. & Verwichte, E., “Simulating the Dynamics of Coronal Plasma Condensations”, [2018IAUS..335...23K ADS](#)
- Verwichte, E. & Kohutova, P., “Excitation and evolution of transverse loop oscillations by coronal rain”, [2018cosp...42E3542V ADS](#)
- Tarr, L., Linton, M., Reardon, K., Shetye, J., & Verwichte, E., “Modeling wave energy transport using a 3D MHD simulation of AR12683”, [2018tess.conf2054T ADS](#)
- Kohutova, P. & Verwichte, E., “Excitation of vertical coronal loop oscillations by impulsively driven flows”, [2018A&A...613L..3K ADS](#)
- Kohutova, P. & Verwichte, E., “Excitation of vertical coronal loop oscillations by plasma condensations”, [2017A&A...606A.120K 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](#)
- Kohutova, P. & Verwichte, E., “Dynamics of plasma condensations in a gravitationally stratified coronal loop”, [2017A&A...602A..23K ADS](#)
- Verwichte, E. & Kohutova, P., “Excitation and evolution of vertically polarised transverse loop oscillations by coronal rain”, [2017A&A...601L..2V ADS](#)
- Verwichte, E., Antolin, P., Rowlands, G., Kohutova, P., & Neukirch, T., “Kinematics of coronal rain in a transversely oscillating loop: Ponderomotive force and rain-excited oscillations”, [2017A&A...598A..57V ADS](#)
- Kohutova, P. & Verwichte, E., “Analysis of Coronal Rain Observed by IRIS, HINODE/SOT, and SDO/AIA: Transverse Oscillations, Kinematics, and Thermal Evolution”, [2016ApJ...827...39K ADS](#)
- Van Doorsselaere, T., Verwichte, E., & Terradas, J., “Erratum: The Effect of Loop Curvature on Coronal Loop Kink Oscillations”, [2014SSRv..184..275V ADS](#)
- Nisticò, G., Verwichte, E., & Nakariakov, V., “3D Reconstruction of Coronal Loops by the Principal Component Analysis”, [2013Entrp..15.4520N ADS](#)
- White, R. S., Verwichte, E., & Foullon, C., “Anti-phase Signature of Flare Generated Transverse Loop Oscillations”, [2013ApJ...774..104W ADS](#)
- Foullon, C., Verwichte, E., Nykyri, K., Aschwanden, M. J., & Hannah, I. G., “Kelvin-Helmholtz Instability of the CME Reconnection Outflow Layer in the Low Corona”, [2013ApJ...767..170F ADS](#)
- Verwichte, E., Van Doorsselaere, T., Foullon, C., & White, R. S., “Coronal Alfvén Speed Determination: Consistency between Seismology Using AIA/SDO Transverse Loop Oscillations and Magnetic Extrapolation”, [2013ApJ...767...16V ADS](#)
- Verwichte, E., Van Doorsselaere, T., White, R. S., & Antolin, P., “Statistical seismology of transverse waves in the solar corona”, [2013A&A...552A.138V ADS](#)
- Nisticò, G., Nakariakov, V. M., & Verwichte, E., “Decaying and decayless transverse oscillations of a coronal loop”, [2013A&A...552A..57N ADS](#)
- White, R. S., Verwichte, E., & Foullon, C., “First observation of a transverse vertical oscillation during the formation of a hot post-flare loop”, [2012A&A...545A.129W ADS](#)
- Vasheghani Farahani, S., Nakariakov, V. M., Verwichte, E., & Van Doorsselaere, T., “Nonlinear evolution of torsional Alfvén waves”, [2012A&A...544A.127V ADS](#)
- Antolin, P., Carlsson, M., Rouppe van der Voort, L., Verwichte, E., & Vissers, G., “A Sharp Look at Coronal Rain with Hinode/SOT and SST/CRISP”, [2012ASPC..455..253A ADS](#)
- Matthews, S. A., Williams, D. R., Klein, K.-L., et al., “Solar Particle Acceleration Radiation and Kinetics (SPARK). A mission to understand the nature of particle acceleration”, [2012ExA...33...237M ADS](#)
- White, R., Verwichte, E., Soler, R., et al., “Transverse coronal loop oscillations seen in unprecedented detail by AIA/SDO”, [2012decs.confE..18W ADS](#)
- White, R. S. & Verwichte, E., “Transverse coronal loop oscillations seen in unprecedented detail by AIA/SDO”, [2012A&A...537A..49W ADS](#)
- Antolin, P. & Verwichte, E., “Transverse Oscillations of Loops with Coronal Rain Observed by Hinode/Solar Optical Telescope”, [2011ApJ...736..121A ADS](#)
- Hershaw, J., Foullon, C., Nakariakov, V. M., & Verwichte, E., “Damped large amplitude transverse oscillations in an EUV solar prominence, triggered by large-scale transient coronal waves”, [2011A&A...531A..53H ADS](#)
- Foullon, C., Verwichte, E., Nakariakov, V. M., Nykyri, K., & Farrugia, C. J., “Magnetic Kelvin-Helmholtz Instability at the Sun”, [2011ApJ...729L..8F ADS](#)
- Terradas, J., Andries, J., & Verwichte, E., “Linear coupling between fast and slow MHD waves due to line-tying effects”, [2011A&A...527A.132T ADS](#)
- Van Doorsselaere, T., Wardle, N., Del Zanna, G., et al., “The First Measurement of the Adiabatic Index in the Solar Corona Using Time-dependent Spectroscopy of Hinode/EIS Observations”, [2011ApJ...727L..32V ADS](#)
- Vasheghani Farahani, S., Nakariakov, V. M., van Doorsselaere, T., & Verwichte, E., “Nonlinear long-wavelength torsional Alfvén waves”, [2011A&A...526A..80V ADS](#)
- Nakariakov, V. M., Inglis, A. R., Zimovets, I. V., et al., “Oscillatory processes in solar flares”, [2010PPCF...5214009N ADS](#)
- Verwichte, E., Marsh, M., Foullon, C., et al., “Periodic Spectral Line Asymmetries in Solar Coronal Structures from Slow Magnetoacoustic Waves”, [2010ApJ...724L.194V ADS](#)
- Foullon, C., Fletcher, L., Hannah, I. G., et al., “From Large-scale Loops to the Sites of Dense Flaring Loops: Preferential Conditions for Long-period Pulsations in Solar Flares”, [2010ApJ...719..151F ADS](#)
- Verwichte, E., Foullon, C., & Van Doorsselaere, T., “Spatial Seismology of a Large Coronal Loop Arcade from TRACE and EIT Observations of its Transverse Oscillations”, [2010ApJ...717..458V ADS](#)
- van Doorsselaere, T., Verwichte, E., & Terradas, J., “The Effect of Loop Curvature on Coronal Loop Kink Oscillations”, [2009SSRv..149..299V ADS](#)
- Andries, J., van Doorsselaere, T., Roberts, B., et al., “Coronal Seismology by Means of Kink Oscillation Overtones”, [2009SSRv..149...3A ADS](#)
- Foullon, C., Verwichte, E., & Nakariakov, V. M., “Ultra-long-period Oscillations in EUV Filaments Near to Eruption: Two-wavelength Correlation and Seismology”, [2009ApJ...700..1658F ADS](#)
- Verwichte, E., Aschwanden, M. J., Van Doorsselaere, T., Foullon, C., & Nakariakov, V. M., “Seismology of a Large Solar Coronal Loop from EUVI/STEREO Observations of its Transverse Oscillation”, [2009ApJ...698..397V ADS](#)
- Vasheghani Farahani, S., Van Doorsselaere, T., Verwichte, E., & Nakariakov, V. M., “Propagating transverse waves in soft X-ray coronal jets”, [2009A&A...498L..29V ADS](#)
- Van Doorsselaere, T., Brady, C. S., Verwichte, E., & Nakariakov, V. M., “Seismological demonstration of perpendicular density structuring in the solar corona”, [2008A&A...491L..9V ADS](#)
- Verwichte, E., Haynes, M., Arber, T. D., & Brady, C. S., “Damping of Slow MHD Coronal Loop Oscillations by Shocks”, [2008ApJ...685.1286V ADS](#)
- Verwichte, E., Haynes, M., Arber, T., & Brady, C., “Damping of Slow MHD Coronal Loop Oscillations by Shocks”, [2008ESPM...12.3.58V ADS](#)
- van Doorsselaere, T., Nakariakov, V. M., Verwichte, E., & Young, P. R., “Detection of Waves in the Solar Corona: Kink or Alfvén?”, [2008ESPM...12.2.81V ADS](#)

- Van Doorsselaere, T., Nakariakov, V. M., Young, P. R., & Verwichte, E., “*Coronal magnetic field measurement using loop oscillations observed by Hinode/EIS*”, 2008A&A...487L..17V [ADS](#)
- Van Doorsselaere, T., Nakariakov, V. M., & Verwichte, E., “*Coronal loop seismology using multiple transverse loop oscillation harmonics*”, 2008IAUS..247..140V [ADS](#)
- Van Doorsselaere, T., Nakariakov, V. M., & Verwichte, E., “*Detection of Waves in the Solar Corona: Kink or Alfvén?*”, 2008ApJ...676L..73V [ADS](#)
- Haynes, M., Arber, T. D., & Verwichte, E., “*Coronal loop slow mode oscillations driven by the kink instability*”, 2008A&A...479..235H [ADS](#)
- Van Doorsselaere, T., Nakariakov, V. M., & Verwichte, E., “*Coronal loop seismology using multiple transverse loop oscillation harmonics*”, 2007A&A...473..959V [ADS](#)
- Verwichte, E., Foullon, C., & Nakariakov, V. M., “*Seismology of curved coronal loops with vertically polarised transverse oscillations*”, 2006A&A...452..615V [ADS](#)
- Nakariakov, V. M., Foullon, C., Verwichte, E., & Young, N. P., “*Quasi-periodic modulation of solar and stellar flaring emission by magnetohydrodynamic oscillations in a nearby loop*”, 2006A&A...452..343N [ADS](#)
- Verwichte, E., Foullon, C., & Nakariakov, V. M., “*Fast magnetoacoustic waves in curved coronal loops. II. Tunneling modes*”, 2006A&A...449..769V [ADS](#)
- Brady, C. S., Verwichte, E., & Arber, T. D., “*Leakage of waves from coronal loops by wave tunneling*”, 2006A&A...449..389B [ADS](#)
- Foullon, C. & Verwichte, E., “*Automated Detection of EUV Prominences*”, 2006SoPh..234..135F [ADS](#)
- Verwichte, E., Foullon, C., & Nakariakov, V. M., “*Fast magnetoacoustic waves in curved coronal loops*”, 2006A&A...446..1139V [ADS](#)
- Verwichte, E., Nakariakov, V. M., & Cooper, F. C., “*Transverse Waves in a Post-Flare Supra-Arcade*”, 2005ESASP.600E.101V [ADS](#)
- Foullon, C., Verwichte, E., Nakariakov, V. M., & Fletcher, L., “*X-Ray Quasi-Periodic Pulsations in Solar Flares as Magnetohydrodynamic Oscillations*”, 2005ESASP.600E..33F [ADS](#)
- Foullon, C., Verwichte, E., Nakariakov, V. M., & Fletcher, L., “*X-Ray Quasi-Periodic Pulsations in Solar Flares as Magnetohydrodynamic Oscillations*”, 2005ESASP.596E..46F [ADS](#)
- Verwichte, E., Nakariakov, V. M., & Cooper, F. C., “*Transverse Waves in a Post-Flare Supra-Arcade*”, 2005ESASP.596E..38V [ADS](#)
- Foullon, C., Verwichte, E., Nakariakov, V. M., & Fletcher, L., “*X-ray quasi-periodic pulsations in solar flares as magnetohydrodynamic oscillations*”, 2005A&A...440L..59F [ADS](#)
- Nakariakov, V. M. & Verwichte, E., “*Coronal Waves and Oscillations*”, 2005LRSP....2...3N [ADS](#)
- Verwichte, E., Nakariakov, V. M., & Cooper, F. C., “*Transverse waves in a post-flare supra-arcade*”, 2005A&A...430L..65V [ADS](#)
- Verwichte, E., Nakariakov, V. M., Ofman, L., & Deluca, E. E., “*Transverse Oscillations in a Coronal Loop Arcade*”, 2004ESASP.575..460V [ADS](#)
- Foullon, C., Verwichte, E., & Nakariakov, V. M., “*Detection of Ultra-Long Oscillations in an EUV Filament*”, 2004ESASP.575..394F [ADS](#)
- Verwichte, E., Nakariakov, V. M., & Cooper, F. C., “*Transverse Waves in a Post-Flare Supra-Arcade*”, 2004ESASP.575..126V [ADS](#)
- Foullon, C., Verwichte, E., & Nakariakov, V. M., “*Detection of ultra-long-period oscillations in an EUV filament*”, 2004A&A...427L..5F [ADS](#)
- Verwichte, E., Nakariakov, V. M., Ofman, L., & Deluca, E. E., “*Characteristics of transverse oscillations in a coronal loop arcade*”, 2004SoPh..223..77V [ADS](#)
- Nakariakov, V. M. & Verwichte, E., “*Coronal seismology: Seismology of the corona of the Sun*”, 2004A&G....45d..26N [ADS](#)
- Verwichte, E., “*The automated analysis of solar active regions*”, 2003ESASP.535..169V [ADS](#)
- Clette, F., van der Linden, R., Cugnon, P., et al., “*The Solar Influences Data Analysis Center: current status of expanding activities*”, 2002ESASP.506..125C [ADS](#)
- Foullon, C. & Verwichte, E., “*La météo de l'espace d'hier et d'aujourd'hui*”, 2002C&T...118..119F [ADS](#)
- Berghmans, D., Clette, F., Cugnon, P., et al., “*The solar influences data analysis centre*”, 2002JASTP..64..757B [ADS](#)
- Hochedez, J. F., Jacques, L., Verwichte, E., et al., “*Multiscale activity observed by EIT/SoHO*”, 2002ESASP.477..115H [ADS](#)
- Verwichte, E., Nakariakov, V. M., Berghmans, D., & Hochedez, J. F., “*Slow magneto-acoustic waves in coronal loops*”, 2001ESASP.493..395V [ADS](#)
- Hochedez, J.-F., Lemaire, P., Pace, E., Schühle, U., & Verwichte, E., “*Wide bandgap EUV and VUV imagers for the Solar Orbiter*”, 2001ESASP.493..245H [ADS](#)
- Robbrecht, E., Verwichte, E., Berghmans, D., et al., “*Slow magnetoacoustic waves in coronal loops: EIT and TRACE*”, 2001A&A...370..591R [ADS](#)
- Hochedez, J. F., Clette, F., Verwichte, E., Berghmans, D., & Cugnon, P., “*Long Term Variations in the Extreme UV Corona: the EIT/SoHO perspective*”, 2001IAUS..203..501H [ADS](#)