

Bibliography from ADS file: centeno.bib

September 14, 2022

- Centeno, R., Rempel, M., Casini, R., & del Pino Aleman, T., “Effects of spectral resolution on simple magnetic field diagnostics of the Mg II h & k lines”, 2022arXiv220807507C [ADS](#)
- Centeno, R., Flyer, N., Mukherjee, L., et al., “Convolutional Neural Networks and Stokes Response Functions”, 2022ApJ...925..176C [ADS](#)
- Centeno, R., de la Cruz Rodríguez, J., & del Pino Alemán, T., “On the (Mis)Interpretation of the Scattering Polarization Signatures in the Ca II 8542 Å Line through Spectral Line Inversions”, 2021ApJ...918..15C [ADS](#)
- Judge, P., Rempel, M., Ezzeddine, R., et al., “Measuring the Magnetic Origins of Solar Flares, Coronal Mass Ejections, and Space Weather”, 2021ApJ...917..273 [ADS](#)
- DeRosa, M. L., Leka, K. D., Barnes, G., et al., “Enhancements to Hinode/SOT-SP Vector Magnetic Field Data Products”, 2021AAS...23821305D [ADS](#)
- Egelund, R., Centeno, R., Lacatus, D., et al., “Hinode and IRIS Synoptic Observations of Solar Cycle Transition at Mid-Latitudes”, 2021AAS...23811324E [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](#)
- Grinón-Marín, A. B., Pastor Yabar, A., Centeno, R., & Socas-Navarro, H., “Long-term evolution of three light bridges developed on the same sunspot”, 2021A&A...647A.148G [ADS](#)
- Grinón-Marín, A. B., Pastor Yabar, A., Socas-Navarro, H., & Centeno, R., “Discovery of long-period magnetic field oscillations and motions in isolated sunspots”, 2020A&A...635A..64G [ADS](#)
- Hinode Review Team, Al-Janabi, K., Antolin, P., et al., “Achievements of Hinode in the first eleven years”, 2019PASJ...71R..1H [ADS](#)
- Centeno, R., “On the Weak Field Approximation for Ca 8542 Å”, 2018ApJ...866..89C [ADS](#)
- Lagg, A., Lites, B., Harvey, J., Gosain, S., & Centeno, R., “Measurements of Photospheric and Chromospheric Magnetic Fields”, in A. Balogh, E. Cliver, G. Petrie, S. Solanki, M. Thompson, and R. von Steiger (Eds.), Solar Magnetic Fields. Series: Space Sciences Series of ISSI, Vol. 57, 37–76 2018smf..book...37L [ADS](#)
- Lagg, A., Lites, B., Harvey, J., Gosain, S., & Centeno, R., “Measurements of Photospheric and Chromospheric Magnetic Fields”, 2017SSRv..210..37L [ADS](#)
- Grinón-Marín, A. B., Socas-Navarro, H., & Centeno, R., “Search for torsional oscillations in isolated sunspots”, 2017A&A...604A..36G [ADS](#)
- Centeno, R., Blanco Rodríguez, J., Del Toro Iniesta, J. C., et al., “A Tale of Two Emergences: Sunrise II Observations of Emergence Sites in a Solar Active Region”, 2017ApJS..229....3C [ADS](#)
- Solanki, S. K., Riethmüller, T. L., Barthol, P., et al., “The Second Flight of the Sunrise Balloon-borne Solar Observatory: Overview of Instrument Updates, the Flight, the Data, and First Results”, 2017ApJS..229....2S [ADS](#)
- Grinón, A. B., Pastor Yabar, A., Socas-Navarro, H., & Centeno, R., “Filamentary Oscillations in the Penumbra of Sunspots”, 2017psio.confE.111G [ADS](#)
- Centeno, R., “Sunrise II Observations of emergence sites in a solar active region”, 2017psio.confE..21C [ADS](#)
- Grinón-Marín, A. B., Socas-Navarro, H., & Centeno, R., “Filamentary Oscillations in the Penumbra of Sunspots”, 2016usc..confE..66G [ADS](#)
- López Ariste, A., Centeno, R., & Khomenko, E., “Vortex waves in sunspots”, 2016A&A...591A..63L [ADS](#)
- , “Polarimetry”, 2015IAUS..305....N [ADS](#)
- Lites, B. W., Centeno, R., & McIntosh, S. W., “The solar cycle dependence of the weak internetwork flux”, 2014PASJ...66S..4L [ADS](#)
- Centeno, R., Schou, J., Hayashi, K., et al., “The Helioseismic and Magnetic Imager (HMI) Vector Magnetic Field Pipeline: Optimization of the Spectral Line Inversion Code”, 2014SoPh..289.3531C [ADS](#)
- Hoeksema, J. T., Liu, Y., Hayashi, K., et al., “The Helioseismic and Magnetic Imager (HMI) Vector Magnetic Field Pipeline: Overview and Performance”, 2014SoPh..289.3483H [ADS](#)
- Hayashi, K., Liu, Y., Sun, X., et al., “Making global map of the solar surface B_r from the HMI vector magnetic field observations”, 2013JPhCS.440a2036H [ADS](#)
- Fleck, B., Centeno, R., Cheung, M., et al., “On the Effects of the SDO Orbital Motion on the HMI Vector Magnetic Field Measurements”, 2013enss.confE.145F [ADS](#)
- Centeno, R., “The Naked Emergence of Solar Active Regions Observed with SDO/HMI”, 2012ApJ...759..72C [ADS](#)
- Kuckein, C., Martínez Pillet, V., & Centeno, R., “An active region filament studied simultaneously in the chromosphere and photosphere. II. Doppler velocities”, 2012A&A...542A.112K [ADS](#)
- Liu, Y., Scherrer, P. H., Hoeksema, J. T., et al., “A First Look at Magnetic Field Data Products from SDO/HMI”, 2012ASPC..455..337L [ADS](#)
- Fleck, B., Hayashi, K., Rezaei, R., et al., “On The Magnetic-Field Diagnostics Potential of SDO/HMI”, 2012AAS...22020701F [ADS](#)
- Fleck, B., Hayashi, K., Rezaei, R., et al., “On the Magnetic-Field Diagnostics Potential of SDO/HMI”, 2012decs.confE.104F [ADS](#)
- Hayashi, K., Hoeksema, J. T., Liu, S., et al., “The synoptic maps of Br from HMI observations”, 2012decs.confE..69H [ADS](#)
- Centeno, R., “Active region emergence sites observed with HMI”, 2012decs.confE..60C [ADS](#)
- Kuckein, C., Martínez Pillet, V., & Centeno, R., “Doppler velocities studied simultaneously in the chromosphere and photosphere of an active region filament”, 2012decs.confE..42K [ADS](#)
- Centeno, R., “Opportunities and challenges in determining the chromospheric magnetic field using He I 10830”, 2012decs.confE..33C [ADS](#)
- Kuckein, C., Martínez Pillet, V., & Centeno, R., “An active region filament studied simultaneously in the chromosphere and photosphere. I. Magnetic structure”, 2012A&A...539A.131K [ADS](#)
- Sainz Dalda, A., López Ariste, A., Gelly, B., et al., “Spectropolarimetric Comparison Between SDO/HMI and Hinode-SOT/SP Through THEMIS/MTR”, 2011AGUFMSH31A1986S [ADS](#)
- Centeno, R., Barnes, G., Borrero, J., et al., “HMI vector magnetic field products: the long-awaited release has come! Now what?”, 2011AGUFMSH31A1985C [ADS](#)
- Tan, S., Thompson, M. J., & Centeno, R., “Solar-cycle variation of oscillation frequencies and surface magnetic field”, 2011AGUFMSH13B1933T [ADS](#)
- Kuckein, C., Centeno, R., & Martínez Pillet, V., “Continuous upflow of material in an active region filament from thephotosphere to the corona”, 2011hsa6.conf..636K [ADS](#)
- Kuckein, C., Pillet, M., Valentín, Centeno, & Rebeca, “Evolution of an active region filament as observed in the photosphere and chromosphere simultaneously”, 2011sdmi.confE..99K [ADS](#)
- Fleck, B., Hayashi, K., Rezaei, R., et al., “On the Magnetic-Field Diagnostics Potential of SDO/HMI”, 2011sdmi.confE..74F [ADS](#)
- Kuckein, C., Centeno, R., & Martínez Pillet, V., “Continuous Upflow of Material in an Active Region Filament from the Photosphere to the Corona”, 2011ASPC..437..275K [ADS](#)
- Centeno, R., Tomczyk, S., Borrero, J. M., et al., “HMI: First Results”, 2011ASPC..437..147C [ADS](#)
- Judge, P. G., Centeno, R., Tritschler, A., et al., “Magnetic Field Measurements at the Photosphere and Coronal Base”, 2010AGUFMSH31A1783J [ADS](#)
- Judge, P., Centeno, R., Tritschler, A., et al., “Magnetic field measurements at the photosphere and coronal base”, 2010shin.confE..56J [ADS](#)
- Birch, A., Braun, D. C., Crouch, A., et al., “Developing Physics-Based Procedures for Local Helioseismic Probing of Sunspots and Magnetic Regions”, 2010AAS...21630805B [ADS](#)
- Kuckein, C., Centeno, R., & Martínez Pillet, V., “Spectropolarimetric inversions of the He I 10830 Å multiplet in an active region filament”, 2010MmSAI..81..668K [ADS](#)
- Centeno, R., Trujillo Bueno, J., & Asensio Ramos, A., “On the Magnetic Field of Off-limb Spicules”, 2010ApJ...708.1579C [ADS](#)
- Centeno, R., Trujillo Bueno, J., & Asensio Ramos, A., “The Magnetic Field of Solar Spicules”, 2010ASSP...19..255C [ADS](#)
- Centeno, R., Lites, B., de Wijn, A. G., & Elmore, D., “Hinode’s SP and G-band Co-Alignment”, 2009ASPC..415..323C [ADS](#)
- Fischer, C. E., de Wijn, A. G., Centeno, R., Lites, B. W., & Keller, C. U., “Statistics of Convective Collapse Events in the Photosphere and Chromosphere Observed with the HINODE SOT”, 2009ASPC..415..127F [ADS](#)
- Fischer, C. E., de Wijn, A. G., Centeno, R., Lites, B. W., & Keller, C. U., “Statistics of convective collapse events in the photosphere and chromosphere observed with the Hinode SOT”, 2009A&A...504..583F [ADS](#)
- Kuckein, C., Centeno, R., Martínez Pillet, V., et al., “Magnetic field strength of active region filaments”, 2009A&A...501.1113K [ADS](#)
- Centeno, R., Trujillo Bueno, J., Uitenbroek, H., & Collados, M., “Influence of Coronal EUV Irradiance on the Stokes Profiles of the He I 10830 Å Multipler”, 2009ASPC..405..297C [ADS](#)
- Socas-Navarro, H., McIntosh, S. W., Centeno, R., de Wijn, A. G., & Lites, B. W., “Direct Imaging of Fine Structure in the Chromosphere of a Sunspot Umbra”, 2009ApJ...696.1683S [ADS](#)
- Centeno, R., Collados, M., & Trujillo Bueno, J., “Wave Propagation and Shock Formation in Different Magnetic Structures”, 2009ApJ...692.1211C [ADS](#)
- Judge, P., & Centeno, R., “On the Magnetic Structure of the Solar Transition Region”, 2008ApJ...687.1388J [ADS](#)
- Centeno, R. & Socas-Navarro, H., “A New Approach to the Solar Oxygen Abundance Problem”, 2008ApJ...682L..61C [ADS](#)
- Centeno, R., Trujillo Bueno, J., Uitenbroek, H., & Collados, M., “The Influence of Coronal EUV Irradiance on the Emission in the He I 10830 Å and D_3 Multiplets”, 2008ApJ...677..742C [ADS](#)

- Khomenko, E., Centeno, R., Collados, M., & Trujillo Bueno, J., “*Channeling 5 Minute Photospheric Oscillations into the Solar Outer Atmosphere through Small-Scale Vertical Magnetic Flux Tubes*”, 2008ApJ...676L..85K [ADS](#)
- Lites, B. W., Centeno, R., Kubo, M., et al., “*Hinode Observations of Flux Emergence in Quiet and Active Regions*”, 2008ASPC..383...71L [ADS](#)
- Shimizu, T., Martínez-Pillet, V., Collados, M., et al., “*Supersonic Downflows in the Photosphere Discovered in Sunspot Moat Regions*”, 2007ASPC..369..113S [ADS](#)
- Centeno, R., Socas-Navarro, H., Lites, B., et al., “*Emergence of Small-Scale Magnetic Loops in the Quiet-Sun Internetwork*”, 2007ApJ...666L.137C [ADS](#)
- Sánchez-Andrade Nuño, B., Centeno, R., Puschmann, K. G., et al., “*Spicule emission profiles observed in He I 10 830 Å*”, 2007A&A...472L..51S [ADS](#)
- Centeno, R., Lites, B., Socas-Navarro, H., et al., “*Magnetic Flux Emergence In The Quiet Sun Photosphere*”, 2007AAS...210.9406C [ADS](#)
- Centeno, R., Collados, M., & Trujillo Bueno, J., “*Wave propagation and shock formation in diverse magnetic structures*”, 2007msfa.conf..245C [ADS](#)
- Sánchez-Andrade Nuño, B., Centeno, R., Puschmann, K. G., Trujillo Bueno, J., & Kneer, F., “*Off-limb spectroscopy of the He I 10830 Å multiplet: observations vs. modelling*”, 2007msfa.conf..177S [ADS](#)
- Centeno, R., Collados, M., & Trujillo Bueno, J., “*Oscillations and Wave Propagation in Different Solar Magnetic Features*”, 2006ASPC..358..465C [ADS](#)
- Centeno, R., Collados, M., & Trujillo Bueno, J., “*Spectropolarimetric Investigation of the Propagation of Magnetoacoustic Waves and Shock Formation in Sunspot Atmospheres*”, 2006ApJ...640.1153C [ADS](#)
- Centeno, R., Socas-Navarro, H., Collados, M., & Trujillo Bueno, J., “*Evidence for Fine Structure in the Chromospheric Umbral Oscillation*”, 2005ApJ...635..670C [ADS](#)
- Trujillo Bueno, J., Merenda, L., Centeno, R., Collados, M., & Landi Degl'Innocenti, E., “*The Hanle and Zeeman Effects in Solar Spicules: A Novel Diagnostic Window on Chromospheric Magnetism*”, 2005ApJ...619L.191T [ADS](#)