

Bibliography from ADS file: tiwari.bib

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- Peter, H., Chitta, L. P., Chen, F., et al., “Parallel Plasma Loops and the Energization of the Solar Corona”, 2022ApJ...933..153P [ADS](#)
- Moore, R. L., Panesar, N. K., Sterling, A. C., & Tiwari, S. K., “Bipolar Ephemeral Active Regions, Magnetic Flux Cancellation, and Solar Magnetic Explosions”, 2022ApJ...933..12M [ADS](#)
- Tiwari, S. K., Hansteen, V. H., De Pontieu, B., Panesar, N. K., & Berghmans, D., “SolO/EUI Observations of Ubiquitous Fine-scale Bright Dots in an Emerging Flux Region: Comparison with a Bifrost MHD Simulation”, 2022ApJ...929..103T [ADS](#)
- Doran, I., Panesar, N. K., Tiwari, S., et al., “Birth and Evolution of a Jet-Based Topology Solar Magnetic Field with Four Consecutive Major Flare Explosions”, 2021AGUFMSH35B2039D [ADS](#)
- Wilkerson, L., Tiwari, S., Panesar, N. K., & Moore, R., “Characterizing Steady and Bursty Coronal Heating of a Solar Active Region”, 2021AGUFMSH15E2060W [ADS](#)
- Panesar, N. K., Tiwari, S. K., Berghmans, D., et al., “The Magnetic Origin of Solar Campfires”, 2021ApJ...921L..20P [ADS](#)
- Smitha, H. N., Castellanos Durán, J. S., Solanki, S. K., & Tiwari, S. K., “Ti I lines at 2.2 μ m as probes of the cooler regions of sunspots”, 2021A&A...653A..91S [ADS](#)
- Moore, R., Tiwari, S., Panesar, N., & Sterling, A., “On Making Magnetic-flux-rope Omega Loops For Solar Bipolar Magnetic Regions Of All Sizes By Convection Cells”, 2021AAS...23831318M [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](#)
- Tiwari, S. K., Evans, C. L., Panesar, N. K., Prasad, A., & Moore, R. L., “Are the Brightest Coronal Loops Always Rooted in Mixed-polarity Magnetic Flux?”, 2021ApJ...908..151T [ADS](#)
- Panesar, N. K., Tiwari, S. K., Moore, R. L., & Sterling, A. C., “Network Jets as the Driver of Counter-streaming Flows in a Solar Filament”, 2020AGUFMSH0240004P [ADS](#)
- Yalim, M. S., Prasad, A., Pogorelov, N. V., et al., “Effects of Cowling Resistivity in the Weakly-Ionized Chromosphere”, 2020AGUFMSH0010015Y [ADS](#)
- Tiwari, S. K., Panesar, N. K., Moore, R. L., De Pontieu, B., & Winebarger, A. R., “Fine-scale explosive energy release at sites of magnetic flux cancellation in the core of a solar active region: Hi-C 2.1, IRIS and SDO observations”, 2020AGUFMSH0010007T [ADS](#)
- Moore, R. L., Tiwari, S. K., Panesar, N. K., & Sterling, A. C., “On Making Magnetic-flux-rope Ω Loops for Solar Bipolar Magnetic Regions of All Sizes by Convection Cells”, 2020ApJ...902L..35M [ADS](#)
- Panesar, N. K., Tiwari, S. K., Moore, R. L., & Sterling, A. C., “Network Jets as the Driver of Counter-streaming Flows in a Solar Filament/Filament Channel”, 2020ApJ...897L..2P [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](#)
- Srivastava, A. K., Rao, Y. K., Konkol, P., et al., “Velocity Response of the Observed Explosive Events in the Lower Solar Atmosphere. I. Formation of the Flowing Cool-loop System”, 2020ApJ...894..155S [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](#)
- 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](#)
- Kayshap, P., Srivastava, A. K., Tiwari, S. K., Jelínek, P., & Mathioudakis, M., “Propagation of waves above a plage as observed by IRIS and SDO”, 2020A&A...634A..63K [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 Lanes”, 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](#)
- Moore, R. L., Adams, M., Panesar, N. K., Falconer, D. A., & Tiwari, S. K., “A CME-Producing Solar Eruption from the Interior of a Twisted Emerging Bipole”, 2019AGUFMSH43D3355M [ADS](#)
- Evans, C., Tiwari, S. K., Panesar, N. K., Prasad, A., & Moore, R. L., “Are the brightest coronal loops always rooted in mixed-polarity magnetic flux?”, 2019AGUFMSH41F3324E [ADS](#)
- Schragal, N. T., Falconer, D. A., Tiwari, S. K., & Moore, R. L., “CME-Forecasting Performance of MAG4 with its HMI Vector Magnetogram Database”, 2019AGUFMSH33C3354S [ADS](#)
- Tiwari, S. K., Panesar, N. K., Moore, R. L., De Pontieu, B., & Winebarger, A. R., “Fine-scale explosive energy release at sites of magnetic flux cancellation in the core of the solar active region observed by Hi-C 2.1, IRIS and SDO”, 2019AGUFMSH31C3323T [ADS](#)
- Hinode Review Team, Al-Janabi, K., Antolin, P., et al., “Achievements of Hinode in the first eleven years”, 2019PASJ...71R..1H [ADS](#)
- Falconer, D., Tiwari, S., Moore, R., & Fisher, M., “Improving Forecasting of Drivers of Severe Space Weather with the New MAG4 HMI Vector Magnetogram Database”, 2019AAS...23431705F [ADS](#)
- Moore, R. L., Tiwari, S., Thalmann, J., Panesar, N., & Winebarger, A., “Invisibility of Solar Active Region Umbra-to-Umbra Coronal Loops: New Evidence that Magnetoconvection Drives Solar-Stellar Coronal Heating”, 2019AAS...23410603M [ADS](#)
- Tiwari, S. K., Moore, R. L., De Pontieu, B., et al., “Evidence of Twisting and Mixed-polarity Solar Photospheric Magnetic Field in Large Penumbral Jets: IRIS and Hinode Observations”, 2018ApJ...869..147T [ADS](#)
- Panesar, N. K., Sterling, A. C., Moore, R. L., et al., “IRIS and SDO Observations of Solar Jetlets Resulting from Network-edge Flux Cancellation”, 2018ApJ...868L..27P [ADS](#)
- Bethge, C., Winebarger, A., & Tiwari, S., “Combining sparsity DEM inversions with event tracking for AIA data”, 2018csc..confE.108B [ADS](#)
- Avallone, E. A., Tiwari, S. K., Panesar, N. K., Moore, R. L., & Winebarger, A., “Critical Magnetic Field Strengths for Solar Coronal Plumes in Quiet Regions and Coronal Holes?”, 2018ApJ...861..111A [ADS](#)
- Falconer, D. A., Tiwari, S. K., & Moore, R. L., “MAG4’s New Database of HMI Active-Region Vector Magnetograms: Sample Size and Initial Results for Major-Flare Forecasting”, 2018tess.conf41406F [ADS](#)
- Tiwari, S. K., Moore, R. L., De Pontieu, B., et al., “Observations of Large Penumbral Jets from IRIS and Hinode”, 2018tess.conf40807T [ADS](#)
- Zank, G. P., Adhikari, L., Hunana, P., et al., “Theory and Transport of Nearly Incompressible Magnetohydrodynamic Turbulence. IV. Solar Coronal Turbulence”, 2018ApJ...854..32Z [ADS](#)
- Avallone, E. A., Tiwari, S. K., Panesar, N. K., & Moore, R. L., “Critical Magnetic Field Strengths for Unipolar Solar Coronal Plumes in Quiet Regions and Coronal Holes?”, 2017AGUFMSH43A2797A [ADS](#)
- Tiwari, S. K., Thalmann, J. K., Panesar, N. K., Moore, R. L., & Winebarger, A. R., “Invisibility of Solar Active Region Umbra-to-Umbra Coronal Loops: New Evidence that Magnetoconvection Drives Solar-Stellar Coronal Heating”, 2017AGUFMSH43A2789T [ADS](#)
- Tiwari, S. K., Moore, R. L., De Pontieu, B., et al., “Evidence from IRIS that Sunspot Large Penumbral Jets Spin”, 2017SPD...4810506T [ADS](#)
- Tiwari, S. K., Thalmann, J. K., Panesar, N. K., Moore, R. L., & Winebarger, A. R., “New Evidence that Magnetoconvection Drives Solar-Stellar Coronal Heating”, 2017ApJ...843L..20T [ADS](#)
- Winebarger, A. R., Cirtain, J. W., Golub, L., et al., “The importance of high-resolution observations of the solar corona”, 2016AGUFMSH31B2577W [ADS](#)
- Abbott, B. P., Abbott, R., Abbott, T. D., et al., “Supplement: text-quotedblleftLocalization and Broadband Follow-up of the Gravitational-wave Transient GW150914textquotedblright (2016, ApJL, 826, L13)”, 2016ApJS..225..8A [ADS](#)
- Abbott, B. P., Abbott, R., Abbott, T. D., et al., “Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914”, 2016ApJ...826L..13A [ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “Solar Science with the Atacama Large Millimeter/Submillimeter Array-A New View of Our Sun”, 2016SSRv..200....1W [ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network”, 2015AdSpR..56.2679W [ADS](#)
- Tiwari, S. K., Falconer, D. A., Moore, R. L., et al., “Near-Sun speed of CMEs and the magnetic nonpotentiality of their source active regions”, 2015GeoRL..42.5702T [ADS](#)
- Tiwari, S. K., Falconer, D. A., Moore, R. L., & Venkatakrishnan, P., “Speed of CMEs and the magnetic non-potentiality of their source active regions”, 2014AGUFMSH21C4134T [ADS](#)
- Kushwaha, U., Joshi, B., Cho, K.-S., et al., “Impulsive Energy Release and Non-thermal Emission in a Confined M4.0 Flare Triggered by Rapidly Evolving Magnetic Structures”, 2014ApJ...791..23K [ADS](#)
- Tiwari, S. K., “Erratum: “On the Force-free Nature of Photospheric Sunspot Magnetic Fields as Observed from Hinode (SOT/SP)” (2012, ApJ, 744, 65)”, 2012ApJ...759..148T [ADS](#)
- Tiwari, S. K., “On the Force-free Nature of Photospheric Sunspot Magnetic Fields as Observed from Hinode (SOT/SP)”, 2012ApJ...744..65T [ADS](#)

- Joshi, B., Veronig, A. M., Lee, J., et al., “*Pre-flare Activity and Magnetic Reconnection during the Evolutionary Stages of Energy Release in a Solar Eruptive Flare*”, 2011ApJ...743..195J [ADS](#)
- Kumar, B., Venkatakrishnan, P., Mathur, S., Tiwari, S. K., & García, R. A., “*On the Flare-induced Seismicity in the Active Region NOAA 10930 and Related Enhancement of Global Waves in the Sun*”, 2011ApJ...743..29K [ADS](#)
- Ravindra, B., Venkatakrishnan, P., Tiwari, S. K., & Bhattacharyya, R., “*Evolution of Currents of Opposite Signs in the Flare-productive Solar Active Region NOAA 10930*”, 2011ApJ...740..19R [ADS](#)
- Tiwari, S. K., “*Are the photospheric sunspots magnetically force-free in nature?*”, 2011IAUS..273..333T [ADS](#)
- Tiwari, S. K., “*Helicity of the solar magnetic field*”, 2011IAUS..273..21T [ADS](#)
- Ravindra, B., Venkatakrishnan, P., & Tiwari, S. K., “*Evolution of Magnetic Field Twist and Tilt in Active Region NOAA 10930*”, 2011aogs...27..153R [ADS](#)
- Kumar, B., Venkatakrishnan, P., Mathur, S., Tiwari, S. K., & García, R. A., “*Analysis of peculiar penumbral flows observed in the active region NOAA 10930 during a major solar flare*”, 2011JPhCS.271a2020K [ADS](#)
- Tiwari, S. K., Venkatakrishnan, P., & Gosain, S., “*Magnetic Non-potentiality of Solar Active Regions and Peak X-ray Flux of the Associated Flares*”, 2010ApJ...721..622T [ADS](#)
- Gosain, S., Tiwari, S. K., & Venkatakrishnan, P., “*On the Estimate of Magnetic Non-potentiality of Sunspots Derived Using Hinode SOT/SP Observations: Effect of Polarimetric Noise*”, 2010ApJ...720..1281G [ADS](#)
- Venkatakrishnan, P. & Tiwari, S. K., “*Magnetic tension of sunspot fine structures*”, 2010A&A...516L..5V [ADS](#)
- Tiwari, S. K., Venkatakrishnan, P., & Sankarasubramanian, K., “*Helicity at Photospheric and Chromospheric Heights*”, 2010ASSP...19..443T [ADS](#)
- Tiwari, S. K.: 2009, “*Helicity of the Solar Magnetic Field*”, Ph.D. thesis, Physical Research Laboratory, Udaipur Solar Observatory 2009PhDT.....8T [ADS](#)
- Gosain, S., Venkatakrishnan, P., & Tiwari, S. K., “*HINODE Observations of Coherent Lateral Motion of Penumbral Filaments During an X-Class Flare*”, 2009ApJ...706L.240G [ADS](#)
- Tiwari, S. K. & Venkatakrishnan, P., “*Evolution of Fine Structures in an Eruptive Active Region: Hinode (SOT/SP) Observations*”, 2009AGUFMSH51A1268T [ADS](#)
- Venkatakrishnan, P. & Tiwari, S. K., “*On the Absence of Photospheric Net Currents in Vector Magnetograms of Sunspots Obtained from Hinode (Solar Optical Telescope/Spectro-Polarimeter)*”, 2009ApJ...706L.114V [ADS](#)
- Tiwari, S. K., Venkatakrishnan, P., & Sankarasubramanian, K., “*Global Twist of Sunspot Magnetic Fields Obtained from High-Resolution Vector Magnetograms*”, 2009ApJ...702L.133T [ADS](#)
- Tiwari, S. K., Venkatakrishnan, P., Gosain, S., & Joshi, J., “*Effect of Polarimetric Noise on the Estimation of Twist and Magnetic Energy of Force-Free Fields*”, 2009ApJ...700..199T [ADS](#)
- Gosain, S., Tiwari, S., Joshi, J., & Venkatakrishnan, P., “*Software for interactively visualizing solar vector magnetograms of udaipur solar observatory*”, 2008JApA...29..107G [ADS](#)
- Tiwari, S. K., Joshi, J., Gosain, S., & Venkatakrishnan, P., “*Evolution of Magnetic Helicity in NOAA 10923 Over Three Consecutive Solar Rotations*”, 2008ASSP...12..329T [ADS](#)