

Bibliography from ADS file: wang-haimin.bib
September 14, 2022

- Lee, J., Yurchyshyn, V., Wang, H., et al., “Solar Chromospheric Network as a Source for Solar Wind Switchbacks”, 2022ApJ...935L..27L ADS
- Yamasaki, D., Wang, H., & Inoue, S., “A Data-based Magnetohydrodynamic Simulation of the X1.0 Solar Flare of 2021 October 28”, 2022cosp...44.2420Y ADS
- Abduallah, Y., Jordanova, V. K., Liu, H., et al., “Predicting Solar Energetic Particles Using SDO/HMI Vector Magnetic Data Products and a Bidirectional LSTM Network”, 2022ApJS...260...16A ADS
- Liu, N., Jing, J., Xu, Y., & Wang, H., “Multi-instrument Comparative Study of Temperature, Number Density, and Emission Measure during the Precursor Phase of a Solar Flare”, 2022ApJ...930...154L ADS
- Nita, G., Ahmadzadeh, A., Criscuolo, S., et al., “Revisiting the Solar Research Cyberinfrastructure Needs: A White Paper of Findings and Recommendations”, 2022arXiv220309544N ADS
- Lozitsky, V., Yurchyshyn, V., Ahn, K., & Wang, H., “Observations of Extremely Strong Magnetic Fields in Active Region NOAA 12673 Using GST Magnetic Field Measurement”, 2022ApJ...928...41L ADS
- Xu, Y., Yang, X., Kerr, G. S., et al., “Multi-passband Observations of a Solar Flare over the He I 10830 Å line”, 2022ApJ...924L..18X ADS
- Wang, J., Lee, J., Liu, C., Cao, W., & Wang, H., “A High-resolution Study of Magnetic Field Evolution and Spicular Activity around the Boundary of a Coronal Hole”, 2022ApJ...924...137W ADS
- Liu, D., Song, W., Lin, G., & Wang, H., “Solar Filament Segmentation Based on Improved U-Nets”, 2021SoPh...296...176L ADS
- Wei, Y., Chen, B., Yu, S., et al., “Coronal Magnetic Field Measurements along a Partially Erupting Filament in a Solar Flare”, 2021ApJ...923...213W ADS
- Deng, J., Song, W., Liu, D., et al., “Improving the Spatial Resolution of Solar Images Using Generative Adversarial Network and Self-attention Mechanism”, 2021ApJ...923...76D ADS
- Jing, J., Inoue, S., Lee, J., et al., “Understanding the Initiation of the M2.4 Flare on 2017 July 14”, 2021ApJ...922...108J ADS
- Shin, Y., Noh, S., Huang, N., et al., “Geospace Response to Small-scale Magnetic Flux Ropes in the Solar Wind”, 2021AGUFMSM15D1996S ADS
- Dikpati, M., Braun, D., Featherstone, N., et al., “Global solar flows and their impact on magnetic activity”, 2021AGUFMSH5D1872D ADS
- Lee, J., Yang, X., Yurchyshyn, V., & Wang, H., “Solar Chromospheric Ejections and Solar Wind Switchbacks”, 2021AGUFMSH33B...01L ADS
- Jiang, H., Li, Q., Xu, Y., et al., “Stokes Inversion with Stacked Deep Neural Networks”, 2021AGUFMNG45B0583J ADS
- Raheem, A.-u., Cavus, H., Coban, G. C., et al., “An investigation of the causal relationship between sunspot groups and coronal mass ejections by determining source active regions”, 2021MNRAS.506.1916R ADS
- Jiang, H., Jing, J., Wang, J., et al., “Tracing H α Fibrils through Bayesian Deep Learning”, 2021ApJS...256...20J ADS
- Abduallah, Y., Wang, J. T. L., Nie, Y., Liu, C., & Wang, H., “DeepSun: machine-learning-as-a-service for solar flare prediction”, 2021RAA...21...160A ADS
- Abduallah, Y., Wang, J. T. L., Shen, Y., et al., “Deep Learning Based Reconstruction of Total Solar Irradiance”, 2021arXiv210711042A ADS
- Kerr, G. S., Xu, Y., Allred, J. C., et al., “He I 10830 Å Dimming during Solar Flares. I. The Crucial Role of Nonthermal Collisional Ionizations”, 2021ApJ...912...153K 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
- Xu, Y., Banerjee, D., Chatterjee, S., et al., “Migration of Solar Polar Crown Filaments in the Past 100 Years”, 2021ApJ...909...86X ADS
- Jiang, H., Wang, J., Liu, C., et al., “Identifying and Tracking Solar Magnetic Flux Elements with Deep Learning”, 2020ApJS...250...5J ADS
- Wang, J., Liu, C., Cao, W., & Wang, H., “High-resolution Observations of Small-scale Flux Emergence by GST”, 2020ApJ...900...84W ADS
- Liu, C., Prasad, A., Lee, J., & Wang, H., “An Eruptive Circular-ribbon Flare with Extended Remote Brightenings”, 2020ApJ...899...34L ADS
- Lin, G., Zhu, G., Yang, X., et al., “A New Comprehensive Data Set of Solar Filaments of 100 yr Interval. I.”, 2020ApJS...249...11L ADS
- Huang, N., Sadykov, V. M., Xu, Y., Jing, J., & Wang, H., “Comparison of Enhanced Absorption in He I 10830 Å Observations and Modeling during the Early Phase of a Solar Flare”, 2020ApJ...897L...6H ADS
- Nita, G., Georgoulis, M., Kitiashvili, I., et al., “Machine Learning in Helio- physics and Space Weather Forecasting: A White Paper of Findings and Recommendations”, 2020arXiv200612224N ADS
- Wang, H., “Three-Dimensional Magnetic and Velocity Structures of Active Region 12673”, 2020EGUGA...22.2234W ADS
- Liu, H., Xu, Y., Wang, J., et al., “Inferring Vector Magnetic Fields from Stokes Profiles of GST/NIRIS Using a Convolutional Neural Network”, 2020ApJ...894...70L ADS
- Lee, J., Karpen, J. T., Liu, C., & Wang, H., “Heating and Eruption of a Solar Circular-ribbon Flare”, 2020ApJ...893...158L ADS
- Liu, H., Liu, C., Wang, J. T. L., & Wang, H., “Predicting Coronal Mass Ejections Using SDO/HMI Vector Magnetic Data Products and Recurrent Neural Networks”, 2020ApJ...890...12L ADS
- Liu, C., Lee, J., & Wang, H., “The Eruption of Outer Spine-like Loops Leading to a Double-stage Circular-ribbon Flare”, 2019ApJ...883...47L ADS
- Jing, J., Li, Q., Liu, C., et al., “High-resolution Observations of Dynamics of Superpenumbral H α Fibrils”, 2019ApJ...880...143J ADS
- Zhang, J., Lin, G., Zeng, S., et al., “Intelligent Recognition of Time Stamp Characters in Solar Scanned Images from Film”, 2019AdAst2019E...28Z ADS
- Huang, N., Xu, Y., Sadykov, V. M., Jing, J., & Wang, H., “Spectral Diagnosis of Mg II and H α Lines during the Initial Stage of an M6.5 Solar Flare”, 2019ApJ...878L..15H ADS
- Liu, H., Liu, C., Wang, J. T. L., & Wang, H., “Predicting Solar Flares Using a Long Short-term Memory Network”, 2019ApJ...877...121L ADS
- Wang, H., Chen, B., Jing, J., et al., “Multi-wavelength Multi-height Study of Super Strong Surface and Coronal Magnetic Fields in Active Region 12673”, 2019AAS...23440205W ADS
- Xu, Y., Huang, N., Jing, J., & Wang, H., “Chromospheric Evaporation Observed in an Isolated Magnetic Flux Tube”, 2019AAS...23431101X ADS
- Lee, J., Liu, C., White, S. M., & Wang, H., “Thermal and Nonthermal Evolutions of a Circular Ribbon Flare”, 2019AAS...23431003L ADS
- Jing, J., Li, Q., Liu, C., et al., “High-resolution Observations of Dynamics of Superpenumbral H α Fibrils”, 2019AAS...23430502J ADS
- Wang, J., Liu, C., & Wang, H., “GST high-resolution observations of small-scale flux emergence in multiwavelengths”, 2019AAS...23421701W ADS
- Wei, Y., Chen, B., Yu, S., & Wang, H., “Joint GST and EOVS Observation of an M1.4 Flare on 2017 September 6”, 2019AAS...23421004W ADS
- Huang, N., Xu, Y., Jing, J., & Wang, H., “High Resolution Post-flare Loop Observations by GST and IRIS”, 2019AAS...23420603H ADS
- Liu, N., Jing, J., Wang, H., et al., “Multi-instrument Comparative Study of Temperature, Number Density and Emission Measure during the Precursor Phase of a Solar Flare”, 2019AAS...23420407L ADS
- Liu, C., Lee, J., & Wang, H., “The Eruption of Outer Spine-like Loops Leading to a Double-Stage Circular-Ribbon Flare”, 2019AAS...23420405L ADS
- Wang, J., Liu, H., Xu, Y., et al., “Innovative Deep Learning Methods for Analysis and Prediction of Solar Activity”, 2019shin.confE...31W ADS
- Toriumi, S. & Wang, H., “Flare-productive active regions”, 2019LRSP...16...3T ADS
- Li, Q., Deng, N., Jing, J., Liu, C., & Wang, H., “High-resolution Observation of Moving Magnetic Features”, 2019ApJ...876...129L ADS
- Wang, H. & Liu, C., “Signatures of Magnetic Flux Ropes in the Low Solar Atmosphere Observed in High Resolution”, 2019FrASS...6...18W ADS
- Chen, Y., Tian, H., Peter, H., et al., “Flame-like Ellerman Bombs and Their Connection to Solar Ultraviolet Bursts”, 2019ApJ...875L..30C ADS
- Liu, C., Cao, W., Chae, J., et al., “Evolution of Photospheric Vector Magnetic Field Associated with Moving Flare Ribbons as Seen by GST”, 2018ApJ...869...21L ADS
- Zhang, J., Tian, H., Solanki, S. K., et al., “Dark Structures in Sunspot Light Bridges”, 2018ApJ...865...29Z ADS
- Jing, J., Liu, C., Lee, J., et al., “Statistical Analysis of Torus and Kink Instabilities in Solar Eruptions”, 2018ApJ...864...138J ADS
- Xu, Y., Pötzi, W., Zhang, H., et al., “Collective Study of Polar Crown Filaments in the Past Four Solar Cycles”, 2018ApJ...862L..23X ADS
- Kocharov, L., Pohjolainen, S., Reiner, M. J., et al., “Spatial Organization of Seven Extreme Solar Energetic Particle Events”, 2018ApJ...862L..20K ADS
- Branca, W. L., Liu, C., Jing, J., Li, Q., & Wang, H., “Predicting the Flare Index of Active Regions Using the Random Forest Algorithm”, 2018shin.confE.149B ADS
- Awasthi, A. K., Wang, Y., Shen, C., Liu, R., & Wang, H., “Magnetic reconnection within a multi-flux-rope system during the precursor phase of a confined flare”, 2018cosp...42E.146A ADS
- Du, G., Chen, Y., Zhu, C., et al., “Formation of Large-scale Coronal Loops Interconnecting Two Active Regions through Gradual Magnetic Reconnection and an Associated Heating Process”, 2018ApJ...860...40D ADS
- Liu, C., Cao, W., Xu, Y., Ahn, K., & Wang, H., “Evolution of Photospheric Magnetic Field Associated with Flare Ribbons as Seen by GST”, 2018tess.conf40803L ADS
- Wang, H., Yurchyshyn, V., Liu, C., et al., “Study of 3D magnetic Structure Corresponding to Extremely Strong Photospheric Magnetic Fields in Active Region 12673”, 2018tess.conf31902W ADS
- Xu, Y., Zhang, H., Huang, N., Jing, J., & Wang, H., “Statistical Study of Polar Crown Filaments in the Past Four Solar Cycles”, 2018tess.conf22408X ADS

- Branca, W., Liu, C., Jing, J., Li, Q., & Wang, H., “Using Random Forest Algorithm to Predict Flare Index of Active Regions”, 2018tess.conf22406B ADS
- Li, Q., Liu, C., Jing, J., & Wang, H., “High-resolution Observation of Moving Magnetic Features in Active Regions”, 2018tess.conf21705L ADS
- Wang, J., Liu, C., & Wang, H., “Fine-scale Emerging Flux Elements Observed by 1.6m Telescope at BBSO”, 2018tess.conf21703W ADS
- Jing, J., Ji, H., Liu, N., et al., “Statistical analysis of Torus and Kink Instability Effects on Solar Eruptions”, 2018tess.conf21161J ADS
- Huang, N., Xu, Y., Jing, J., et al., “Observation and Modeling of Mg II lines during an M6.5 Flare”, 2018tess.conf11403H ADS
- Awasthi, A. K., Liu, R., Wang, H., Wang, Y., & Shen, C., “Pre-eruptive Magnetic Reconnection within a Multi-flux-rope System in the Solar Corona”, 2018ApJ...857...124A ADS
- Cui, Y., Wang, H., Xu, Y., & Liu, S., “Statistical Study of Magnetic Topology for Eruptive and Confined Solar Flares”, 2018JGRA...123.1704C ADS
- Wang, J., Liu, C., Deng, N., & Wang, H., “Evolution of Photospheric Flow and Magnetic Fields Associated with the 2015 June 22 M6.5 Flare”, 2018ApJ...853...143W ADS
- Wang, H., Yurchyshyn, V., Liu, C., et al., “Strong Transverse Photosphere Magnetic Fields and Twist in Light Bridge Dividing Delta Sunspot of Active Region 12673”, 2018RNAAS...2...8W ADS
- Huang, N., Xu, Y., & Wang, H., “Relationship between Intensity of White-light Flares and Proton Flux of Solar Energetic Particles”, 2018RNAAS...2...7H ADS
- Xu, Y., Cao, W., Ahn, K., et al., “Transient rotation of photospheric vector magnetic fields associated with a solar flare”, 2018NatCo...9...46X ADS
- Wang, H., Liu, R., Li, Q., et al., “Extending Counter-streaming Motion from an Active Region Filament to a Sunspot Light Bridge”, 2018ApJ...852L..18W ADS
- Kuroda, N., Gary, D. E., Wang, H., et al., “Three-dimensional Forward-fit Modeling of the Hard X-Ray and Microwave Emissions of the 2015 June 22 M6.5 Flare”, 2018ApJ...852...32K ADS
- Chen, X., Liu, R., Deng, N., & Wang, H., “Thermodynamics of supra-arcade downflows in solar flares”, 2017A&A...606A..84C ADS
- Jing, J., Liu, R., Cheung, M., et al., “Witnessing a Large-scale Slipping Magnetic Reconnection along a Dimming Channel during a Solar Flare”, 2017SPD...4840601J ADS
- Kuroda, N., Wang, H., & Gary, D. E., “The analysis and the three-dimensional, forward-fit modeling of the X-ray and the microwave emissions of major solar flares”, 2017SPD...4840003K ADS
- Deng, N., Liu, C., Xu, Y., et al., “1.56 Micron Spectropolarimetry of Umbral Dots and Their Evolution Associated with a Major Flare”, 2017SPD...4830003D ADS
- Liu, C., Deng, N., Wang, J., & Wang, H., “Predicting Solar Flares Using SDO/HMI Vector Magnetic Data Product and Random Forest Algorithm”, 2017SPD...4810814L ADS
- Wang, H., Liu, R., Deng, N., et al., “Extending Counter-Streaming Motion from an Active Region Filament to Sunspot Light Bridge”, 2017SPD...4810405W ADS
- Li, Q., Deng, N., Jing, J., & Wang, H., “High-resolution Observation of Moving Magnetic Features in Active Regions”, 2017SPD...4810103L ADS
- Wang, J., Liu, C., Deng, N., & Wang, H., “Evolution of Photospheric Flow and Magnetic Fields Associated with the 2015 June 22 M6.5 Flare”, 2017SPD...4810102W ADS
- Liu, C., Xu, Y., Ahn, K., et al., “High-resolution Observations of Photospheric Structural Evolution Associated with a Flare”, 2017SPD...4810101L ADS
- Xu, Y., Cao, W., Kwangsu, A., et al., “Magnetic vector rotation in response to the energetic electron beam during a flare”, 2017SPD...4810001X ADS
- Huang, N., Xu, Y., Wang, H., & Jing, J., “Spectral Analysis Flare ribbons by NST and IRIS”, 2017SPD...48.0301H ADS
- Masson, S., Pariat, É., Valori, G., et al., “Flux rope, hyperbolic flux tube, and late extreme ultraviolet phases in a non-eruptive circular-ribbon flare”, 2017A&A...604A..76M ADS
- Liu, C., Deng, N., Wang, J. T. L., & Wang, H., “Predicting Solar Flares Using SDO/HMI Vector Magnetic Data Products and the Random Forest Algorithm”, 2017ApJ...843...104L ADS
- Kumar, P., Yurchyshyn, V., Cho, K.-S., & Wang, H., “Multiwavelength observations of a flux rope formation by series of magnetic reconnection in the chromosphere”, 2017A&A...603A..36K ADS
- Lin, G., Wang, X. F., Yang, X., et al., “Construction of a century solar chromosphere data set for solar activity related research”, 2017STP...3b...5L ADS
- Jing, J., Liu, R., Cheung, M. C. M., et al., “Witnessing a Large-scale Slipping Magnetic Reconnection along a Dimming Channel during a Solar Flare”, 2017ApJ...842L..18J ADS
- Li, Q., Deng, N., Jing, J., & Wang, H., “High-resolution Observations of Downflows at One End of a Pre-eruption Filament”, 2017ApJ...841..112L ADS
- Wang, H., Liu, C., Ahn, K., et al., “High-resolution observations of flare precursors in the low solar atmosphere”, 2017NatAs...1E..85W ADS
- Huang, N.-Y., Xu, Y., & Wang, H., “The Energetics of White-light Flares Observed by SDO/HMI and RHESST”, 2016RAA...16...177H ADS
- Cho, K., Lee, J., Chae, J., et al., “Strong Blue Asymmetry in H α Line as a Preflare Activity”, 2016SoPh...291.2391C ADS
- Liu, C., Xu, Y., Cao, W., et al., “Flare differentially rotates sunspot on Sun’s surface”, 2016NatCo...713104L ADS
- Deng, N., Yurchyshyn, V., Tian, H., et al., “Multi-wavelength Study of Transition Region Penumbra Subarcsecond Bright Dots Using IRIS and NST”, 2016ApJ...829...103D ADS
- Zheng, J., Yang, Z., Guo, K., Wang, H., & Wang, S., “On the Rotation of Sunspots and Their Magnetic Polarity”, 2016ApJ...826...6Z ADS
- Ye, D.-D., Liu, C., & Wang, H., “Irreversible rapid changes of magnetic field associated with the 2012 October 23 circular near-limb X1.8 Flare”, 2016RAA...16...95Y ADS
- Huang, N., Xu, Y., & Wang, H., “The Energetics of Wight-light Flares Observed in Visible Continuum and Hard X-ray”, 2016SPD...4740601H ADS
- Wang, H., Xu, Y., Ahn, K., et al., “High-Resolution Observations of Flare Precursors and Their Relationship with Magnetic Channels”, 2016SPD...4720501W ADS
- Xu, Y., Cao, W., Ding, M., et al., “Ultra-Narrow Negative Flare Front Observed in Helium-10830 Å Using the 1.6m New Solar Telescope”, 2016SPD...47.0633X ADS
- Liu, C., Xu, Y., Deng, N., et al., “BBSO/NST Observations of the Sudden Differential Rotation of a Sunspot Caused by a Major Flare”, 2016SPD...47.0615L ADS
- Kuroda, N., Wang, H., Gary, D. E., et al., “Hard X-ray and Microwave Simulation of 2015-06-22 M6.6 flare”, 2016SPD...47.0614K ADS
- Jing, J., Xu, Y., Cao, W., et al., “Unprecedented Fine Structure of a Solar Flare Revealed by the 1.6 m New Solar Telescope”, 2016SPD...47.0601J ADS
- Deng, N., Yurchyshyn, V. B., Tian, H., et al., “Multi-wavelength Study of Transition Region Penumbra Bright Dots Using Interface Region Imaging Spectrograph and New Solar Telescope”, 2016SPD...47.0101D ADS
- Jing, J., Xu, Y., Cao, W., et al., “Unprecedented Fine Structure of a Solar Flare Revealed by the 1.6 m New Solar Telescope”, 2016NatSR...624319J ADS
- Xu, Y., Cao, W., Ding, M., et al., “Ultra-narrow Negative Flare Front Observed in Helium-10830 Å Using the 1.6 m New Solar Telescope”, 2016ApJ...819...89X ADS
- Liu, R., Kliem, B., Titov, V. S., et al., “Structure, Stability, and Evolution of Magnetic Flux Ropes from the Perspective of Magnetic Twist”, 2016ApJ...818...148L ADS
- Liu, R., Kliem, B., Török, T., et al., “Erratum: “Slow Rise and Partial Eruption of a Double-decker Filament. I Observations and Interpretation”(2012, ApJ, 756, 59)”, 2015ApJ...814...164L ADS
- Liu, C., Deng, N., Liu, R., et al., “A Circular-ribbon Solar Flare Following an Asymmetric Filament Eruption”, 2015ApJ...812L..19L ADS
- Ruan, G., Chen, Y., & Wang, H., “Gradual Magnetic Evolution of Sunspot Structure and Filament-Corona Dynamics Associated with the X1.8 Flare in ARI1283”, 2015ApJ...812...120R ADS
- Joshi, N. C., Liu, C., Sun, X., et al., “The Role of Erupting Sigmoid in Triggering a Flare with Parallel and Large-scale Quasi-circular Ribbons”, 2015ApJ...812...50J ADS
- Jing, J., Xu, Y., Lee, J., et al., “Comparison between the eruptive X2.2 flare on 2011 February 15 and confined X3.1 flare on 2014 October 24”, 2015RAA...15.1537J ADS
- Kumar, P., Yurchyshyn, V., Wang, H., & Cho, K.-S., “Formation and Eruption of a Small Flux Rope in the Chromosphere Observed by NST, IRIS, and SDO”, 2015ApJ...809...83K ADS
- Chen, X., Deng, N., Lamb, D. A., et al., “Development of technique to detect and classify small-scale magnetic flux cancellation and rapid blue-shifted excursions”, 2015RAA...15.1012C ADS
- Kuroda, N., Wang, H., & Gary, D. E., “Observation of the 2011-02-15 X2.2 Flare in the Hard X-Ray and Microwave”, 2015ApJ...807...124K ADS
- Chen, X., Liu, R., Deng, N., & Wang, H., “Dynamic Thermal Structure of Super-arcade Downflows in Solar Flares”, 2015TESS...140704C ADS
- Xu, Y., Liu, C., Jing, J., & Wang, H., “Multi-stage filament eruption and the decay index distribution, A case study”, 2015TESS...130403X ADS
- Wang, H. & Liu, C., “Structure and evolution of magnetic fields associated with solar eruptions”, 2015RAA...15...145W ADS
- Deng, N., Chen, X., Liu, C., et al., “Chromospheric Rapid Blueshifted Excursions Observed with IBIS and their Association with Photospheric Magnetic Field Evolution”, 2015ApJ...799..219D ADS

- Liu, C., Deng, N., Lee, J., et al., "Three-dimensional Magnetic Restructuring in Two Homologous Solar Flares in the Seismically Active NOAA AR 11283", 2014ApJ...795...128L ADS
- Jiang, Y., Yang, J., Wang, H., et al., "Interaction and Merging of two Sinistral Filaments", 2014ApJ...793...14J ADS
- Kliem, B., Török, T., Titov, V. S., et al., "Slow Rise and Partial Eruption of a Double-decker Filament. II. A Double Flux Rope Model", 2014ApJ...792...107K ADS
- Liu, R., Titov, V. S., Gou, T., et al., "An Unorthodox X-Class Long-duration Confined Flare", 2014ApJ...790...8L ADS
- Xu, Y., Xu, Z., Liu, Z., et al., "Confined Eruption of a Multi-thread Filament", 2014AAS...22441401X ADS
- Kuroda, N., Wang, H., & Gary, D. E., "Observation of 2011-02-15 X2.2 solar flare in Hard X-ray and microwave", 2014AAS...22412332K ADS
- Wang, H., Liu, C., Deng, N., et al., "Study of Two Successive Three-ribbon Solar Flares Using BBSO/NST Observations", 2014AAS...22412304W ADS
- Liu, R., Titov, V., Gou, T., et al., "Investigating An X-Class Long-Duration Confined Flare", 2014AAS...22411104L ADS
- Xu, Y., Jing, J., Wang, S., & Wang, H., "Comparison of Emission Properties of Two Homologous Flares in AR 11283", 2014ApJ...787...7X ADS
- Ruan, G., Chen, Y., Wang, S., et al., "A Solar Eruption Driven by Rapid Sunspot Rotation", 2014ApJ...784...165R ADS
- Jing, J., Liu, C., Lee, J., et al., "Evolution of a Magnetic Flux Rope and its Overlying Arcade Based on Nonlinear Force-free Field Extrapolations", 2014ApJ...784L...13J ADS
- Wang, S., Liu, C., Deng, N., & Wang, H., "Sudden Photospheric Motion and Sunspot Rotation Associated with the X2.2 Flare on 2011 February 15", 2014ApJ...782L...31W ADS
- Titov, V., Wang, Y., Liu, K., et al., "Emerging Magnetic Flux as a Trigger of a Confined Flare", 2014cosp...40E3349T ADS
- Wang, H., Liu, C., Deng, N., et al., "Study of Two Successive Three-ribbon Solar Flares on 2012 July 6", 2014ApJ...781L...23W ADS
- Liu, C., Deng, N., Lee, J., et al., "Evidence for Solar Tether-cutting Magnetic Reconnection from Coronal Field Extrapolations", 2013ApJ...778L...36L ADS
- Wang, H., Liu, C., Wang, S., et al., "Study of Rapid Formation of a δ Sunspot Associated with the 2012 July 2 C7.4 Flare Using High-resolution Observations of the New Solar Telescope", 2013ApJ...774L...24W ADS
- Liu, C., Xu, Y., Deng, N., et al., "He I D3 Observations of the 1984 May 22 M6.3 Solar Flare", 2013ApJ...774...60L ADS
- Liu, R., Liu, C., Xu, Y., et al., "Observation of a Moreton Wave and Wave-Filament Interactions Associated with the Renowned X9 Flare on 1990 May 24", 2013ApJ...773...166L ADS
- Wang, H., Liu, R., Liu, C., Xu, Y., & Liu, W., "Observation of a Moreton Wave and Wave-Filament Interactions Using Digitized Film Data at BBSO", 2013SPD...4410402W ADS
- Xie, W., Zhang, H., Lin, J., & Wang, H., "Study of ribbon separation and magnetic reconnection rates", 2013IAUS...294...585X ADS
- Deng, N., Tritschler, A., Jing, J., et al., "High-cadence and High-resolution Ha Imaging Spectroscopy of a Circular Flare's Remote Ribbon with IBIS", 2013ApJ...769...112D ADS
- Chen, X., Deng, N., Jing, J., et al., "Coordinated Observations of On-Disk Type II Spicules with IBIS and Hinode", 2013enss.confE.147C ADS
- Wang, S., Liu, C., Deng, N., & Wang, H., "Sharp Acceleration of Sunspot Rotation Associated with Flares in NOAA AR 11158", 2013enss.confE.137W ADS
- Jing, J., Chen, X., Lee, J., et al., "Properties of Reversed Helicity Injection in Active Region 11158", 2013enss.confE.135J ADS
- Kuroda, N., Wang, H., & Gary, D., "Time delays between radio and HXR observed during the 2011-02-15 X2.2 solar flare", 2013enss.confE...86K ADS
- Xu, Y., Jing, J., & Wang, H., "Fe I Spectra of Core-Halo Structures in a White-Light Flare", 2013enss.confE...52X ADS
- Wang, H., Liu, C., Xu, Y., & Deng, N., "Study of Black-Light Flares", 2013AAS...22131601W ADS
- Xu, Y., Liu, C., Jing, J., & Wang, H., "On the Relationship between the Coronal Magnetic Decay Index and Coronal Mass Ejection Speed", 2012ApJ...761...52X ADS
- Wang, H. & Liu, C., "Circular Ribbon Flares and Homologous Jets", 2012ApJ...760...101W ADS
- Liu, R., Liu, C., Török, T., Wang, Y., & Wang, H., "Contracting and Erupting Components of Sigmoidal Active Regions", 2012ApJ...757...150L ADS
- Wang, S., Liu, C., & Wang, H., "The Relationship between the Sudden Change of the Lorentz Force and the Magnitude of Associated Flares", 2012ApJ...757L...5W ADS
- Liu, R., Kliem, B., Török, T., et al., "Slow Rise and Partial Eruption of a Double-decker Filament. I. Observations and Interpretation", 2012ApJ...756...59L ADS
- Ren, D., Zhang, X., Penn, M., et al., "Recent progress on the portable solar adaptive optics", 2012SPIE.8447E...3KR ADS
- Jing, J., Park, S.-H., Liu, C., et al., "Evolution of Relative Magnetic Helicity and Current Helicity in NOAA Active Region 11158", 2012ApJ...752L...9J ADS
- Xu, Y., Cao, W., Jing, J., & Wang, H., "Characteristic Size of Flare Kernels in the Visible and Near-infrared Continua", 2012ApJ...750L...7X ADS
- Park, S.-H., Cho, K.-S., Bong, S.-C., et al., "The Occurrence and Speed of CMEs Related to Two Characteristic Evolution Patterns of Helicity Injection in Their Solar Source Regions", 2012ApJ...750...48P ADS
- Wang, H. & Liu, C., "Evidence of 3-D Reconnection at Null Point from the Observations of Circular Flares and Homologous Jets", 2012AAS...22050906W ADS
- Wang, H., Deng, N., & Liu, C., "Rapid Transition of Uncombed Penumbrae to Faculae during Large Flares", 2012ApJ...748...76W ADS
- Wang, H., "Response of the Photospheric Magnetic Field to Flares", 2012decs.confE.106W ADS
- Wang, S., Liu, C., Liu, R., et al., "Response of the Photospheric Magnetic Field to the X2.2 Flare on 2011 February 15", 2012ApJ...745L...17W ADS
- Liu, C., Deng, N., Liu, R., et al., "Rapid Changes of Photospheric Magnetic Field after Tether-cutting Reconnection and Magnetic Implosion", 2012ApJ...745L...4L ADS
- Wang, P., Li, Y., Ding, M., Ji, H., & Wang, H., "Evidence of two-stage magnetic reconnection in the 2005 January 15 X2.6 flare", 2011NewA...16...470W ADS
- Jing, J., Yuan, Y., Reardon, K., et al., "Nonpotentiality of Chromospheric Fibrils in NOAA Active Regions 11092 and 9661", 2011ApJ...739...67J ADS
- Yuan, Y., Shih, F. Y., Jing, J., & Wang, H., "Solar flare forecasting using sunspot-groups classification and photospheric magnetic parameters", 2011IAUS...273...446Y ADS
- Li, Y., Jing, J., Fan, Y., & Wang, H., "Study of the change of surface magnetic field associated with flares", 2011IAUS...273...417L ADS
- Wang, S., Liu, C., & Wang, H., "Study of sunspot motion and flow fields associated with solar flares", 2011IAUS...273...412W ADS
- Deng, N., Shimizu, T., Choudhary, D. P., & Wang, H., "What determines the penumbral size and Evershed flow speed?", 2011IAUS...273...216D ADS
- Wang, H. & Liu, C., "Rapid changes of sunspot structure associated with solar eruptions", 2011IAUS...273...15W ADS
- Nita, G. M., Fleishman, G. D., Jing, J., et al., "Three-dimensional Structure of Microwave Sources from Solar Rotation Stereoscopy Versus Magnetic Extrapolations", 2011ApJ...737...82N ADS
- Liu, C., Deng, N., Liu, R., et al., "A Standard-to-blowout Jet", 2011ApJ...735L...18L ADS
- Wang, H., Liu, C., & Deng, N., "Uncombed Sunspot Penumbrae Are Combed by Large Flares", 2011SPD...42.2206W ADS
- Deng, N., Liu, C., Prasad Choudhary, D., & Wang, H., "Rapid Enhancement of Sheared Evershed Flow Along the Neutral Line Associated with an X6.5 Flare Observed by Hinode", 2011ApJ...733L...14D ADS
- Liu, R., Xu, Y., & Wang, H., "A Revisit of the Masuda Flare", 2011SoPh...269...67L ADS
- Wang, S., Liu, C., Liu, R., et al., "First Flare-related Rapid Change of Photospheric Magnetic Field Observed by Solar Dynamics Observatory", 2011arXiv1103.0027W ADS
- Li, Y., Jing, J., Fan, Y., & Wang, H., "Comparison Between Observation and Simulation of Magnetic Field Changes Associated with Flares", 2011ApJ...727L...19L ADS
- Liu, R., Liu, C., Wang, S., Deng, N., & Wang, H., "Sigmoid-to-flux-rope Transition Leading to a Loop-like Coronal Mass Ejection", 2010ApJ...725L...84L ADS
- Liu, R., Lee, J., Wang, T., et al., "A Reconnecting Current Sheet Imaged in a Solar Flare", 2010ApJ...723L...28L ADS
- Liu, R., Liu, C., Park, S.-H., & Wang, H., "Gradual Inflation of Active-region Coronal Arcades Building up to Coronal Mass Ejections", 2010ApJ...723...229L ADS
- Liu, C., Lee, J., Jing, J., et al., "Motions of Hard X-ray Sources During an Asymmetric Eruption", 2010ApJ...721L.193L ADS
- Park, S.-H., Chae, J., Jing, J., Tan, C., & Wang, H., "Time Evolution of Coronal Magnetic Helicity in the Flaring Active Region NOAA 10930", 2010ApJ...720.1102P ADS
- Jing, J., Yuan, Y., Wiegelmann, T., et al., "Nonlinear Force-free Modeling of Magnetic Fields in a Solar Filament", 2010ApJ...719L...56J ADS
- Lim, E.-K., Chae, J., Jing, J., Wang, H., & Wiegelmann, T., "The Formation of a Magnetic Channel by the Emergence of Current-carrying Magnetic Fields", 2010ApJ...719...403L ADS
- Liu, R., Lee, J., Wang, T., et al., "Direct Observation of a Y-Type Current Sheet during a Solar Flare", 2010shin.confE.160L ADS
- Ren, D., Penn, M., Plymate, C., et al., "A portable solar adaptive optics system: software and laboratory developments", 2010SPIE.7736E...3PR ADS

- Park, S.-h., Chae, J., & Wang, H., "Productivity of Solar Flares and Magnetic Helicity Injection in Active Regions", 2010ApJ...718...43P ADS
- Xu, Y., Jing, J., & Wang, H., "Measurements of Filament Height in H α and EUV 304 Å", 2010SoPh...264...81X ADS
- Wang, H. & Liu, C., "Observational Evidence of Back Reaction on the Solar Surface Associated with Coronal Magnetic Restructuring in Solar Eruptions", 2010ApJ...716L.195W ADS
- Liu, R. & Wang, H., "Fast Contraction of Coronal Loops at the Flare Peak", 2010ApJ...714L..41L ADS
- Wang, H. & Liu, C., "Back-reaction on the Solar Surface Associated with Coronal Magnetic Restructuring in Solar Eruptions", 2010AAS...21640414W ADS
- Jing, J., Tan, C., Yuan, Y., et al., "Free Magnetic Energy and Flare Productivity of Active Regions", 2010ApJ...713...440J ADS
- Xu, Y., Jing, J., Cao, W., & Wang, H., "Dual-Stage Reconnection During Solar Flares Observed in Hard X-ray", 2010ApJ...709L.142X ADS
- Wiegelmann, T., Thalmann, J., Jing, J., & Wang, H., "Monitoring free magnetic energy in erupting active regions", 2010cosp...38.2960W ADS
- Ji, H. & Wang, H., "The contraction of flare loops", 2010cosp...38.1802J ADS
- Xie, W., Wang, H., Jing, J., Bao, X., & Zhang, H., "The correlation between expansion speed and magnetic field in solar flare ribbons", 2009ScChG...52.1754X ADS
- Li, Y., Jing, J., Tan, C., & Wang, H., "The change of magnetic inclination angles associated with the X3.4 flare on December 13, 2006", 2009ScChG...52.1702L ADS
- Liu, R. & Wang, H., "Coronal Implosion and Particle Acceleration in the Wake of a Filament Eruption", 2009ApJ...703L..23L ADS
- Liu, C., Lee, J., Karlický, M., et al., "Successful Solar Flares and Coronal Mass Ejections on 2005 September 13 from NOAA AR 10808", 2009ApJ...703...757L ADS
- Ren, D., Penn, M., Wang, H., Chapman, G., & Plymate, C., "A portable solar adaptive optics system", 2009SPIE.7438E..0PR ADS
- Wang, H., Liu, C., Jing, J., & Li, Y., "Study of the X2.6 Flare on 2005 January 15", 2009SPD...40.1915W ADS
- Liu, C. & Wang, H., "Reconnection Electric Field and Hardness of X-Ray Emission of Solar Flares", 2009ApJ...696L..27L ADS
- Liu, R., Wang, H., & Alexander, D., "Implosion in a Coronal Eruption", 2009ApJ...696...121L ADS
- Jing, J., Chen, P. F., Wiegelmann, T., et al., "Temporal Evolution of Free Magnetic Energy Associated with Four X-Class Flares", 2009ApJ...696...84J ADS
- Song, H., Tan, C., Jing, J., et al., "Statistical Assessment of Photospheric Magnetic Features in Imminent Solar Flare Predictions", 2009SoPh...254...101S ADS
- Tan, C., Chen, P. F., Abramenko, V., & Wang, H., "Evolution of Optical Penumbral and Shear Flows Associated with the X3.4 Flare of 2006 December 13", 2009ApJ...690.1820T ADS
- Fu, G., Shih, F. Y., & Wang, H., "Automatic Detection of Magnetic Flux Emergences in the Solar Atmosphere From Full-Disk Magnetogram Sequences", 2008ITIP...17.2174F ADS
- Wang, H., Jing, J., Tan, C., Wiegelmann, T., & Kubo, M., "Study of Magnetic Channel Structure in Active Region 10930", 2008ApJ...687...658W ADS
- Shen, J., Zhou, T., Ji, H., et al., "Early Abnormal Temperature Structure of X-Ray Loop-Top Source of Solar Flares", 2008ApJ...686L..37S ADS
- Park, S.-H., Lee, J., Choe, G. S., et al., "The Variation of Relative Magnetic Helicity around Major Flares", 2008ApJ...686.1397P ADS
- Choi, S., Nah, J., Moon, Y.-J., Wang, H., & Coulter, R., "Development of a correlation tracker system for the New Solar Telescope", 2008SPIE.7015E..53C ADS
- Abramenko, V., Yurchyshyn, V., & Wang, H., "Intermittency in the Photosphere and Corona above an Active Region", 2008ApJ...681.1669A ADS
- Ji, H., Wang, H., Liu, C., & Dennis, B. R., "A Hard X-Ray Sigmoidal Structure during the Initial Phase of the 2003 October 29 X10 Flare", 2008ApJ...680...734J ADS
- Wang, S., Deng, Y., Jain, R., et al., "The evolution of vector magnetic field associated with major flares in NOAA AR10656", 2008JApA...29...57W ADS
- Jing, J., Wiegelmann, T., Suematsu, Y., Kubo, M., & Wang, H., "Changes of Magnetic Structure in Three Dimensions Associated with the X3.4 Flare of 2006 December 13", 2008ApJ...676L..81J ADS
- Jing, J., Chae, J., & Wang, H., "Spatial Distribution of Magnetic Reconnection in the 2006 December 13 Solar Flare as Observed by Hinode", 2008ApJ...672L..73J ADS
- Liu, C., Lee, J., Jing, J., Gary, D. E., & Wang, H., "The Spatial Distribution of the Hard X-Ray Spectral Index and the Local Magnetic Reconnection Rate", 2008ApJ...672L..69L ADS
- Deng, N., Choudhary, D. P., Tritschler, A., et al., "Flow Field Evolution of a Decaying Sunspot", 2007ApJ...671.1013D ADS
- Wang, H., Liu, C., Jing, J., & Yurchyshyn, V., "Successive Flaring during the 2005 September 13 Eruption", 2007ApJ...671...973W ADS
- Liu, C., Lee, J., Yurchyshyn, V., et al., "The Eruption from a Sigmoidal Solar Active Region on 2005 May 13", 2007ApJ...669.1372L ADS
- Tan, C., Jing, J., Abramenko, V. I., et al., "Statistical Correlations between Parameters of Photospheric Magnetic Fields and Coronal Soft X-Ray Brightness", 2007ApJ...665.1460T ADS
- Jing, J., Lee, J., Liu, C., Gary, D. E., & Wang, H., "Hard X-Ray Intensity Distribution along H α Ribbons", 2007ApJ...664L.127J ADS
- Su, J., Liu, Y., Kurokawa, H., et al., "Observation of Interactions and Eruptions of Two Filaments", 2007SoPh...242...53S ADS
- Ji, H., Huang, G., & Wang, H., "The Relaxation of Sheared Magnetic Fields: A Contracting Process", 2007ApJ...660...893J ADS
- Wang, H., Liu, C., Jing, J., & Yurchyshyn, V., "Filament Eruption after the Onset of the X1.5 Flare on 2005 September 13", 2007AAS...210.9321W ADS
- Liu, C., Lee, J., Gary, D. E., & Wang, H., "The Ribbon-like Hard X-Ray Emission in a Sigmoidal Solar Active Region", 2007ApJ...658L.127L ADS
- Zhang, J., Zhou, G., Wang, J., & Wang, H., "Magnetic Evolution and Temperature Variation in a Coronal Hole", 2007ApJ...655L.113Z ADS
- Jing, J., Song, H., Abramenko, V., Tan, C., & Wang, H., "Erratum: 'The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions' (ApJ, 644, 1273 [2006])", 2006ApJ...652.1796J ADS
- Cao, W., Hartorn, K., Ma, J., et al., "First Light of the Near-Infrared Narrow-Band Tunable Birefringent Filter at Big Bear Solar Observatory", 2006SoPh...238...207C ADS
- Song, H., Yurchyshyn, V., Yang, G., et al., "The Automatic Predictability of Super Geomagnetic Storms from halo CMEs associated with Large Solar Flares", 2006SoPh...238...141S ADS
- Qu, M., Shih, F. Y., Jing, J., & Wang, H., "Automatic Detection and Classification of Coronal Mass Ejections", 2006SoPh...237...419Q ADS
- Wang, H., "Rapid Changes of Photospheric Magnetic Fields around Flaring Magnetic Neutral Lines", 2006ApJ...649...490W ADS
- Zhang, J., Ma, J., & Wang, H., "Comparison of Magnetic Flux Distribution between a Coronal Hole and a Quiet Region", 2006ApJ...649...464Z ADS
- Qiu, J. & Wang, H., "On the Temporal and Spatial Properties of Elementary Bursts", 2006SoPh...236...293Q ADS
- Jing, J., Lee, J., Spirock, T. J., & Wang, H., "Periodic Motion Along Solar Filaments", 2006SoPh...236...97J ADS
- Wang, H., "Evolution of Magnetic Gradients in Flaring Magnetic Neutral Lines", 2006SPD...37.2002W ADS
- Cao, W., Jing, J., Ma, J., et al., "Diffraction-limited Polarimetry from the Infrared Imaging Magnetograph at Big Bear Solar Observatory", 2006PASP...118...838C ADS
- Deng, N., Xu, Y., Yang, G., et al., "Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486", 2006ApJ...644.1278D ADS
- Jing, J., Song, H., Abramenko, V., Tan, C., & Wang, H., "The Statistical Relationship between the Photospheric Magnetic Parameters and the Flare Productivity of Active Regions", 2006ApJ...644.1273J ADS
- Liu, C., Lee, J., Deng, N., Gary, D. E., & Wang, H., "Large-Scale Activities Associated with the 2003 October 29 X10 Flare", 2006ApJ...642.1205L ADS
- Xu, Y., Cao, W., Liu, C., et al., "High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares", 2006ApJ...641.1210X ADS
- Ren, D. & Wang, H., "Spectral Subtraction: A New Approach to Remove Low- and High-Order Speckle Noise", 2006ApJ...640...530R ADS
- Ji, H., Huang, G., Wang, H., et al., "Converging Motion of H α Conjugate Kernels: The Signature of Fast Relaxation of a Sheared Magnetic Field", 2006ApJ...636L.173J ADS
- Xu, Y., Cao, W., Ma, J., et al., "Properties of Small Dark Features Observed in the Pure Near-Infrared and Visible Continua", 2005ApJ...628L.167X ADS
- Wang, H., Liu, C., Deng, Y., & Zhang, H., "Reevaluation of the Magnetic Structure and Evolution Associated with the Bastille Day Flare on 2000 July 14", 2005ApJ...627.1031W ADS
- Qu, M., Shih, F. Y., Jing, J., & Wang, H., "Automatic Solar Filament Detection Using Image Processing Techniques", 2005SoPh...228...119Q ADS
- Denker, C., Mascariñas, D., Xu, Y., et al., "High-Spatial-Resolution Imaging Combining High-Order Adaptive Optics, Frame Selection, and Speckle Masking Reconstruction", 2005SoPh...227...217D ADS
- Deng, N., Liu, C., Yang, G., Wang, H., & Denker, C., "Rapid Penumbral Decay Associated with an X2.3 Flare in NOAA Active Region 9026", 2005ApJ...623.1195D ADS
- Liu, C., Deng, N., Liu, Y., et al., "Rapid Change of δ Spot Structure Associated with Seven Major Flares", 2005ApJ...622...722L ADS

- Jing, J., Qiu, J., Lin, J., et al., "Magnetic Reconnection Rate and Flux-Rope Acceleration of Two-Ribbon Flares", 2005ApJ...620.1085J ADS
- Wang, H., "Properties of Remote Flare Ribbons Associated with Coronal Mass Ejections", 2005ApJ...618.1012W ADS
- Hartkorn, K. & Wang, H., "Magnetic Helicity Change Rate Associated with X-Class and M-Class Flares", 2004SoPh...225...311H ADS
- Yang, G., Xu, Y., Cao, W., et al., "Photospheric Shear Flows along the Magnetic Neutral Line of Active Region 10486 prior to an X10 Flare", 2004ApJ...617L.151Y ADS
- Ma, J., Wang, J., Cao, W., Denker, C., & Wang, H., "Near infrared (NIR) achromatic phase retarder", 2004SPIE.5523...139M ADS
- Jing, J., Yurchyshyn, V. B., Yang, G., Xu, Y., & Wang, H., "On the Relation between Filament Eruptions, Flares, and Coronal Mass Ejections", 2004ApJ...614.1054J ADS
- Rimmele, T. R., Hubbard, R. P., Balasubramaniam, K. S., et al., "Instrumentation for the Advanced Technology Solar Telescope", 2004SPIE.5492...944R ADS
- Qiu, J., Liu, C., Gary, D. E., Nita, G. M., & Wang, H., "Hard X-Ray and Microwave Observations of Microflares", 2004ApJ...612...530Q ADS
- Qu, M., Shih, F., Jing, J., & Wang, H., "Automatic Solar Flare Tracking Using Image-Processing Techniques", 2004SoPh...222...137Q ADS
- Xu, Y., Cao, W., Liu, C., et al., "Near-Infrared Observations at 1.56 Microns of the 2003 October 29 X10 White-Light Flare", 2004ApJ...607L.131X ADS
- Ji, H., Wang, H., Goode, P. R., Jiang, Y., & Yurchyshyn, V., "Traces of the Dynamic Current Sheet during a Solar Flare", 2004ApJ...607L...55J ADS
- Ji, H., Wang, H., Schmahl, E. J., Qiu, J., & Zhang, Y., "Observations of Nonthermal and Thermal Hard X-Ray Spikes in an M-Class Flare", 2004ApJ...605...938J ADS
- Wang, H., Qiu, J., Jing, J., et al., "Evidence of Rapid Flux Emergence Associated with the M8.7 Flare on 2002 July 26", 2004ApJ...605...931W ADS
- Yurchyshyn, V., Wang, H., Abramenko, V., Spirock, T. J., & Krucker, S., "Magnetic Field, $H\alpha$, and RHESSI Observations of the 2002 July 23 Gamma-Ray Flare", 2004ApJ...605...546Y ADS
- Qiu, J., Wang, H., Cheng, C. Z., & Gary, D. E., "Magnetic Reconnection and Mass Acceleration in Flare-Coronal Mass Ejection Events", 2004ApJ...604...900Q ADS
- Moon, Y. J., Chae, J., Choe, G. S., et al., "Low Atmosphere Reconstructions Associated with AN Eruptive Solar Flare", 2004JKAS...37...41M ADS
- Liu, C., Qiu, J., Gary, D. E., Krucker, S., & Wang, H., "Studies of Microflares in RHESSI Hard X-Ray, Big Bear Solar Observatory $H\alpha$, and Michelson Doppler Imager Magnetograms", 2004ApJ...604...442L ADS
- Yurchyshyn, V., Wang, H., & Abramenko, V., "Correlation between speeds of coronal mass ejections and the intensity of geomagnetic storms", 2004SpWea...2.2001Y ADS
- Cao, W., Denker, C. J., Wang, H., et al., "Characteristic evaluation of a near-infrared Fabry-Perot filter for the InfraRed Imaging Magnetograph (IRIM)", 2004SPIE.5171...307C ADS
- Jiang, Y., Ji, H., Wang, H., & Chen, H., " $H\alpha$ Dimmings Associated with the X1.6 Flare and Halo Coronal Mass Ejection on 2001 October 19", 2003ApJ...597L.161J ADS
- Qu, M., Shih, F. Y., Jing, J., & Wang, H., "Automatic Solar Flare Detection Using MLP, RBF, and SVM", 2003SoPh...217...157Q ADS
- Moon, Y. J., Wang, H., Spirock, T. J., Goode, P. R., & Park, Y. D., "A New Method for Resolving the 180 deg Ambiguity in Solar Vector Magnetograms", 2003SoPh...217...79M ADS
- Ji, H., Wang, H., Schmahl, E. J., Moon, Y. J., & Jiang, Y., "Observations of the Failed Eruption of a Filament", 2003ApJ...595L.135J ADS
- Liu, Y., Jiang, Y., Ji, H., Zhang, H., & Wang, H., "Observational Evidence of a Magnetic Flux Rope Eruption Associated with the X3 Flare on 2002 July 15", 2003ApJ...593L.137L ADS
- Wang, H., Qiu, J., Jing, J., & Zhang, H., "Study of Ribbon Separation of a Flare Associated with a Quiescent Filament Eruption", 2003ApJ...593...564W ADS
- Goode, P. R., Denker, C. J., Didkovsky, L. I., Kuhn, J. R., & Wang, H., "1.6 M Solar Telescope in Big Bear - The NST", 2003JKAS...36S.125G ADS
- Moon, Y. J., Choe, G. S., Wang, H., Park, Y. D., & Cheng, C. Z., "Relationship Between CME Kinematics and Flare Strength", 2003JKAS...36...61M ADS
- Goode, P. R., Denker, C., & Wang, H., "The Sun from Big Bear", 2003ASSL...288...137G ADS
- Moon, Y. J., Choe, G. S., Wang, H., & Park, Y. D., "Sympathetic Coronal Mass Ejections", 2003ApJ...588.1176M ADS
- Chae, J., Moon, Y. J., Rust, D. M., Wang, H., & Goode, P. R., "Magnetic Helicity Pumping by Twisted Flux Tube Expansion", 2003JKAS...36...33C ADS
- Didkovsky, L. V., Dolgushyn, A., Marquette, W., et al., "High-order adaptive optical system for Big Bear Solar Observatory", 2003SPIE.4853...630D ADS
- Denker, C. J., Ma, J., Wang, J., et al., "IRIM: An Imaging Magnetograph for High-Resolution Solar Observations in the Near-Infrared", 2003SPIE.4853...223D ADS
- Jing, J., Lee, J., Spirock, T. J., et al., "Periodic Motion along a Solar Filament Initiated by a Subflare", 2003ApJ...584L.103J ADS
- Yurchyshyn, V., Wang, H., & Abramenko, V., "How directions and helicity of erupted solar magnetic fields define geoeffectiveness of coronal mass ejections", 2003AdSpR...32.1965Y ADS
- Moon, Y. J., Chae, J., Wang, H., & Park, Y. D., "Magnetic helicity change rate associated with three X-class eruptive flares", 2003AdSpR...32.1953M ADS
- Shumko, S., Denker, C. J., Varsik, J., et al., "Control and Acquisition Software for the Visible-Light Fabry-Pérot Interferometer at the Big Bear Solar Observatory", 2002SPIE.4848...483S ADS
- Moon, Y. J., Choe, G. S., Wang, H., et al., "A Statistical Study of Two Classes of Coronal Mass Ejections", 2002ApJ...581...694M ADS
- Wang, H., Ji, H., Schmahl, E. J., et al., "Sudden Disappearance of a Small Sunspot Associated with the 2002 February 20 M2.4 Flare", 2002ApJ...580L.177W ADS
- Moon, Y. J., Chae, J., Wang, H., Choe, G. S., & Park, Y. D., "Impulsive Variations of the Magnetic Helicity Change Rate Associated with Eruptive Flares", 2002ApJ...580...528M ADS
- Gallagher, P. T., Moon, Y. J., & Wang, H., "Active-Region Monitoring and Flare Forecasting I. Data Processing and First Results", 2002SoPh...209...171G ADS
- Moon, Y. J., Wang, H., Spirock, T. J., & Park, Y. D., "Temporal Change of Magnetic Shear Free from the 180arcdeg Ambiguity", 2002JKAS...35...143M ADS
- Ding, M. D., Qiu, J., & Wang, H., "Non-LTE Calculation of the Ni I 676.8 Nanometer Line in a Flaring Atmosphere", 2002ApJ...576L...83D ADS
- Wang, H., Spirock, T. J., Qiu, J., et al., "Rapid Changes of Magnetic Fields Associated with Six X-Class Flares", 2002ApJ...576...497W ADS
- Moon, Y. J., Chae, J., Choe, G. S., et al., "Flare Activity and Magnetic Helicity Injection by Photospheric Horizontal Motions", 2002ApJ...574.1066M ADS
- Moon, Y. J., Choe, G. S., Park, Y. D., et al., "Statistical Evidence for Sympathetic Flares", 2002ApJ...574...434M ADS
- Spirock, T. J., Yurchyshyn, V. B., & Wang, H., "Rapid Changes in the Longitudinal Magnetic Field Related to the 2001 April 2 X20 Flare", 2002ApJ...572.1072S ADS
- Chae, J., Moon, Y.-J., Wang, H., & Yun, H. S., "Flux Cancellation Rates and Converging Speeds of Canceling Magnetic Features", 2002SoPh...207...73C ADS
- Wang, H., Gallagher, P., Yurchyshyn, V., Yang, G., & Goode, P. R., "Core and Large-Scale Structure of the 2000 November 24 X-Class Flare and Coronal Mass Ejection", 2002ApJ...569.1026W ADS
- Wang, H.: 2002, Rapid Changes of Photospheric Magnetic Fields Associated with CMEs and Flares, Presented at the KITP Program: Solar Magnetism and Related Astrophysics, Mar 21, 2002, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, id.24 2002smra.progE...24W ADS
- Wang, H. & Qiu, J., "Relationship between Flare Kernels in $H\alpha$ Far-Blue Wing and Magnetic Fields", 2002ApJ...568...408W ADS
- Chae, J., Park, Y.-D., Moon, Y.-J., Wang, H., & Yun, H. S., "Temperatures of Extreme-Ultraviolet-emitting Plasma Structures Observed by the Transition Region and Coronal Explorer", 2002ApJ...567L.159C ADS
- Qiu, J., Lee, J., Gary, D. E., & Wang, H., "Motion of Flare Footpoint Emission and Inferred Electric Field in Reconnecting Current Sheets", 2002ApJ...565.1335Q ADS
- Gao, J., Wang, H., & Zhou, M., "Development of an Automatic Filament Disappearance Detection System", 2002SoPh...205...93G ADS
- Yurchyshyn, V. B., Wang, H., Goode, P. R., & Deng, Y., "Orientation of the Magnetic Fields in Interplanetary Flux Ropes and Solar Filaments", 2001ApJ...563...381Y ADS
- Yurchyshyn, V. B. & Wang, H., "Photospheric Plasma Flows Around a Solar Spot", 2001SoPh...203...233Y ADS
- Sterling, A. C., Moore, R. L., Qiu, J., & Wang, H., "Ha Proxies for EIT Crinkles: Further Evidence for Preflare "Breakout"-Type Activity in an Ejective Solar Eruption", 2001ApJ...561.1116S ADS
- Chae, J., Wang, H., Qiu, J., et al., "The Formation of a Prominence in Active Region NOAA 8668. I. SOHO/MDI Observations of Magnetic Field Evolution", 2001ApJ...560...476C ADS
- Wang, H., Chae, J., Yurchyshyn, V., et al., "Inter-Active Region Connection of Sympathetic Flaring on 2000 February 17", 2001ApJ...559.1171W ADS
- Yurchyshyn, V. B. & Wang, H., "Magnetic Flux Cancellation Observed in the Sunspot Moat", 2001SoPh...202...309Y ADS
- Qiu, J., Ding, M. D., Wang, H., et al., "Asymmetric Behavior of Ha Footpoint Emission during the Early Phase of an Impulsive Flare", 2001ApJ...554...445Q ADS

- Ding, M. D., Qiu, J., Wang, H., & Goode, P. R., "On the Fast Fluctuations in Solar Flare H α Blue Wing Emission", 2001ApJ...552..340D ADS
- Yurchyshyn, V. B., Wang, H., & Goode, P. R., "On the Correlation between the Orientation of Moving Magnetic Features and the Large-Scale Twist of Sunspots", 2001ApJ...550..470Y ADS
- Chae, J., Martin, S. F., Yun, H. S., et al., "Small Magnetic Bipoles Emerging in a Filament Channel", 2001ApJ...548..497C ADS
- Kim, J.-H., Yun, H. S., Lee, S., et al., "A Rapid Change in Magnetic Connectivity Observed Before Filament Eruption and Its Associated Flare", 2001ApJ...547L..85K ADS
- Lee, C.-Y., Chae, J., & Wang, H., "Dynamical Characteristics of Small-Scale H α Upflow Events on the Quiet Sun", 2000ApJ...545.1124L ADS
- Silva, A. V. R., Wang, H., & Gary, D. E., "Correlation of Microwave and Hard X-Ray Spectral Parameters", 2000ApJ...545.1116F ADS
- Qiu, J., Ding, M. D., Wang, H., Denker, C., & Goode, P. R., "Ultraviolet and H α Emission in Ellerman Bombs", 2000ApJ...544L.157Q ADS
- Wang, H., Qiu, J., Denker, C., et al., "High-Cadence Observations of an Impulsive Flare", 2000ApJ...542..1080W ADS
- Chae, J., Denker, C., Spirock, T. J., Wang, H., & Goode, P. R., "High-Resolution H α Observations of Proper Motion in NOAA 8668: Evidence for Filament Mass Injection by Chromospheric Reconnection", 2000SoPh...195..333C ADS
- Lee, C.-Y. & Wang, H., "Hard x-ray and Microwave Flux Spectra of the 2 November 1991 Solar Flare", 2000SoPh...195..149L ADS
- Qiu, J., Wang, H., Chae, J., & Goode, P. R., "Extreme-Ultraviolet Flare Loop Emissions in an Eruptive Event", 2000SoPh...194..269Q ADS
- Wang, H., Goode, P. R., Denker, C., et al., "Comparison of the 1998 April 29 M6.8 and 1998 November 5 M8.4 Flares", 2000ApJ...536..971W ADS
- Zhang, J., Wang, J., Lee, C.-Y., & Wang, H., "Macroscales Observed with H α Against the Quiet Solar Disk", 2000SoPh...194..59Z ADS
- Chae, J., Wang, H., Qiu, J., Goode, P. R., & Wilhelm, K., "Active Region Loops Observed with SUMER on Board the SOHO", 2000ApJ...533..535C ADS
- Zhang, J., Wang, J., Lee, C.-Y., & Wang, H., "Interaction between network and intranetwork magnetic fields", 2000SoPh...192..415Z ADS
- Wang, J., Li, W., Denker, C., et al., "Miniflament Eruption on the Quiet Sun. I. Observations at H α Central Line", 2000ApJ...530.1071W ADS
- Yurchyshyn, V., Wang, H., & Goode, P. R., "On the Correlation between the Orientation of Moving Magnetic Features and the Large-Scale Twist of Sunspots", 2000ESASP.463..459Y ADS
- Chae, J., Wang, H., Goode, P. R., Fludra, A., & Schühle, U., "Comparison of Transient Network Brightenings and Explosive Events in the Solar Transition Region", 2000ApJ...528L.119C ADS
- Qiu, J., Wang, H., Chae, J., & Goode, P. R., "Counter-streaming Mass Flow and Transient Brightening in Active Region Loops", 1999SoPh...190..153Q ADS
- Wang, H., Chae, J., Qiu, J., Lee, C.-Y., & Goode, P. R., "Studies of Microflares and C5.2 flare of 27 September 1998", 1999SoPh...188..365W ADS
- Zhang, J., Wang, J., Deng, Y., & Wang, H., "The Polarity Distribution of Intranetwork and Network Fields", 1999SoPh...188..47Z ADS
- Chae, J., Qiu, J., Wang, H., & Goode, P. R., "Extreme-Ultraviolet Jets and H α Surges in Solar Microflares", 1999ApJ...513L..75C ADS
- Zhang, J., Wang, J., Wang, H., & Lee, C.-Y., "Interaction Between Intranetwork and Network Magnetic Fields", 1999soho...9E..90Z ADS
- Wang, H., "Comparison of H α and He II λ 304 Macrosicules", 1998ApJ...509..461W ADS
- Wang, H., Chae, J., Gurman, J. B., & Kucera, T. A., "Comparison of Prominences in H α and He II 304 Å ", 1998SoPh...183..91W ADS
- Zhang, J., Lin, G., Wang, J., Wang, H., & Zirin, H., "The evolution of intranetwork magnetic elements", 1998A&A...338..322Z ADS
- Chae, J., Wang, H., Lee, C.-Y., Goode, P. R., & Schühle, U., "Chromospheric Upflow Events Associated with Transition Region Explosive Events", 1998ApJ...504L.123C ADS
- Denker, C. & Wang, H., "High Spatial Resolution Observations of a Small δ Spot", 1998ApJ...502..493D ADS
- Zhang, J., Wang, J., Wang, H., & Zirin, H., "The motion patterns of intranetwork magnetic elements", 1998A&A...335..341Z ADS
- Chae, J., Wang, H., Lee, C.-Y., Goode, P. R., & Schühle, U., "Photospheric Magnetic Field Changes Associated with Transition Region Explosive Events", 1998ApJ...497L.109C ADS
- Zhang, J., Lin, G., Wang, J., Wang, H., & Zirin, H., "Lifetime of Intranetwork Magnetic Elements", 1998SoPh...178..245Z ADS
- Wang, H., Spirock, T., Goode, P. R., et al., "Contrast of Faculae at 1.6 Microns", 1998ApJ...495..957W ADS
- Wang, H., Komenda, A. E., Tang, F., & Zirin, H., "Filament Disappearances During the Period of September 1991 through September 1994", 1998SoPh...178..109W ADS
- Wang, H., Johannesson, A., Stage, M., Lee, C., & Zirin, H., "Study of H α Jets on the Quiet Sun", 1998SoPh...178..55W ADS
- Wang, H. & Goode, P. R., "Synoptic Observing Programs at Big Bear Solar Observatory", 1998ASPC...140..497W ADS
- Wang, H., "Analyses of Vector Magnetograms in Flare-Productive Active Regions", 1997SoPh...174..163W ADS
- Wang, H., Denker, C., Spirock, T., Yang, S., & Goode, P., "New Digital Magnetograph at Big Bear Solar Observatory", 1997SPD...28.1503W ADS
- Lee, C.-Y., Johannesson, A., Wang, H., Stage, M., & Zirin, H., "Study of Chromospheric Jets", 1997SPD...28.1305L ADS
- Komenda, A. E., Wang, H., Tang, F., & Zirin, H., "Filament Eruptions During the Period of Sept. 1991 through Sept. 1994", 1997SPD...28.0103K ADS
- Silva, A. V. R., Wang, H., Gary, D. E., Nitta, N., & Zirin, H., "Imaging the Chromospheric Evaporation of the 1994 June 30 Solar Flare", 1997ApJ...481..978S ADS
- Wang, H., "Study of Quiet Sun Magnetic Fields and Chromospheric Jets", 1996AAS...188.3311W ADS
- Zhi, Z., Wang, J., & Wang, H., "Flares and separatrices between magnetic loops.", 1995ChA&A...19..469Z ADS
- Wang, J., Wang, H., Tang, F., Lee, J. W., & Zirin, H., "Flux distribution of solar intranetwork magnetic fields", 1995SoPh...160..277W ADS
- Suematsu, Y., Wang, H., & Zirin, H., "High-Resolution Observation of Disk Spicules. I. Evolution and Kinematics of Spicules in the Enhanced Network", 1995ApJ...450..411S ADS
- Shi, Z., Wang, J., & Wang, H., "Flares and separatrices between magnetic loops.", 1995AcASn...36..181S ADS
- Chen, J., Wang, H., Zirin, H., & Ai, G., "Observations of Vector Magnetic Fields in Flaring Active Regions", 1994SoPh...154..261C ADS
- Golub, L., Zirin, H., & Wang, H., "The Roots of Coronal Structure in the Sun's Surface", 1994SoPh...153..179G ADS
- Wang, H., Ewell, M. W., J., Zirin, H., & Ai, G., "Vector Magnetic Field Changes Associated with X-Class Flares", 1994ApJ...424..436W ADS
- Wang, H. & Tang, F., "Flux Emergence and Umbra Formation after the X-9 Flare of 1991 March 22", 1993ApJ...407L..89W ADS
- Zirin, H. & Wang, H., "Strong transverse fields in δ -spots", 1993SoPh...144..37Z ADS
- Wang, H., "Flows; Evolution of Magnetic Fields; and Flares (Invited)", 1993ASPC...46..323W ADS
- Liu, Y., Zhang, H., & Wang, H., "Lifetimes of the Magnetic Network Elements", 1993ASPC...46..228L ADS
- , "The magnetic and velocity fields of solar active regions", 1993ASPC...46.....Z ADS
- Wang, H., Varsik, J., Zirin, H., et al., "Joint vector magnetograph observations at BBSO, Huairou Station and Mees Solar Observatory", 1992SoPh...142...11W ADS
- Zhang, H., Ai, G., Wang, H., Zirin, H., & Patterson, A., "Evolution of Magnetic Fields and Mass Flow in a Decaying Active Region", 1992SoPh...140..307Z ADS
- Wang, H., "Evolution of vector magnetic fields and the August 27 1990 X-3 flare", 1992SoPh...140..85W ADS
- Wang, H. & Zirin, H., "Flows around Sunspots and Pores", 1992SoPh...140..41W ADS
- Zirin, H. & Wang, H., "Detection of 'Invisible Sunspots'", 1992ApJ...385L..27Z ADS
- Wang, H., "In Situ Disappearance of 6 Sunspots", 1992ASPC...27...97W ADS
- Wang, H., Tang, F., Zirin, H., & Ai, G., "Motions, Fields, and Flares in the 1989 March Active Region", 1991ApJ...380..282W ADS
- Tang, F. & Wang, H., "Polar Fields during the Rising Phase of SOLAR-CYCLE-22", 1991SoPh...132..247T ADS
- Wang, H., Zirin, H., & Ai, G., "Magnetic Flux Transport of Decaying Active Regions and Enhanced Magnetic Network", 1991SoPh...131..53W ADS
- Zhang, H., Ai, G., Wang, H., Zirin, H., & Patterson, A., "The Longer Term Evolution of Magnetic Field and Mass Flow in a Decaying Active Region", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 271 1991LNP...380..271Z ADS
- Gary, D. E., Zirin, H., & Wang, H., "Microwave Structure of the Quiet Sun at 8.5 GHz", 1990ApJ...355..321G ADS
- Zirin, H. & Wang, H., "Flows, flares, and formation of umbrae and light bridges in BBSO region No. 1167", 1990SoPh...125..45Z ADS
- Zirin, H. & Wang, H., "Video image selection studies of granules, pores, and penumbral flows near a large sunspot", 1989SoPh...119..245Z ADS
- Wang, H., Zirin, H., Patterson, A., Ai, G., & Zhang, H., "Seventy-Five Hours of Coordinated Videomagnetograph Observations", 1989ApJ...343..489W ADS
- Wang, H., "Do mesogranules exist?", 1989SoPh...123..21W ADS
- Livi, S. H. B., Martin, S., Wang, H., & Ai, G., "The Association of Flares to Cancelling Magnetic Features on the Sun", 1989SoPh...121..197L ADS

- Wang, H., Patterson, A., Zirin, H., Ai, G., & Zhang, H., “Coordinated video-magnetograph observations by the Big Bear and Huairou Observatories”, 1988fnsm.work..279W [ADS](#)
- Wang, H., “On the Relationship Between Magnetic Fields and Supergranule Velocity Fields”, 1988SoPh..117..343W [ADS](#)
- Wang, H., “Structure of Magnetic Fields on the Quiet Sun”, 1988SoPh..116....1W [ADS](#)
- Wang, H.: 1988c, “Magnetic Fields and Supergranule Velocity Fields on the Quiet Sun.”, *Ph.D. thesis*, California Institute of Technology 1988PhDT.....4W [ADS](#)
- Zirin, H. & Wang, H., “High Resolution Studies of Penumbra and Pore Phenomena”, 1987BAAS...19..940Z [ADS](#)
- Chou, D.-Y. & Wang, H., “The Separation Velocity of Emerging Magnetic Flux”, 1987SoPh..110...81C [ADS](#)