

Bibliography from ADS file: park-sung-hong.bib

September 14, 2022

- Toriumi, S. & Park, S.-H., "Solar Flares and Magnetic Helicity", 2022arXiv220406010T ADS

Lennard, M., Tremblay, B., Asensio Ramos, A., et al., "Using Machine Learning Tools To Estimate Photospheric Velocity Fields Prior To The Formation Of Active Regions.", 2021AGUFMSH45B2371L ADS

Georgoulis, M. K., Bloomfield, D. S., Piana, M., et al., "The flare likelihood and region eruption forecasting (FLARECAST) project: flare forecasting in the big data & machine learning era", 2021JSSWC..11...39G ADS

Park, S.-H., Leka, K. D., & Kusano, K., "Magnetic Helicity Flux across Solar Active Region Photospheres. II. Association of Hemispheric Sign Preference with Flaring Activity during Solar Cycle 24", 2021ApJ...911...79P ADS

Kaneko, T., Park, S.-H., & Kusano, K., "Data-driven MHD Simulation of Successive Solar Plasma Eruptions", 2021ApJ...909..155K ADS

Chian, A. C. L., Silva, S. S. A., Rempel, E. L., et al., "Lagrangian chaotic saddles and objective vortices in solar plasmas", 2020PhRvE.102f0201C ADS

Park, S.-H., Leka, K. D., & Kusano, K., "Magnetic Helicity Flux across Solar Active Region Photospheres. I. Hemispheric Sign Preference in Solar Cycle 24", 2020ApJ...904...6P ADS

Lee, E.-J., Park, S.-H., & Moon, Y.-J., "Time Series Analysis of Photospheric Magnetic Parameters of Flare-Quiet Versus Flaring Active Regions: Scaling Properties of Fluctuations", 2020SoPh..295..123L ADS

Park, S.-H., "An Observational Test of Solar Plasma Heating by Magnetic Flux Cancellation", 2020ApJ...897..49P ADS

Park, S.-H., Leka, K. D., Kusano, K., et al., "A Comparison of Flare Forecasting Methods. IV. Evaluating Consecutive-day Forecasting Patterns", 2020ApJ...890..124P ADS

Kang, J., Inoue, S., Kusano, K., Park, S.-H., & Moon, Y.-J., "Onset Mechanism of M6.5 Solar Flare Observed in Active Region 1237I", 2019ApJ...887..263K ADS

Kontogiannis, I., Georgoulis, M. K., Guerra, J. A., Park, S.-H., & Bloomfield, D. S., "Which Photospheric Characteristics Are Most Relevant to Active-Region Coronal Mass Ejections?", 2019SoPh..294..130K ADS

Leka, K. D., Park, S.-H., Kusano, K., et al., "A Comparison of Flare Forecasting Methods. II. Benchmarks, Metrics, and Performance Results for Operational Solar Flare Forecasting Systems", 2019ApJS..243..36L ADS

Leka, K. D., Park, S.-H., Kusano, K., et al., "A Comparison of Flare Forecasting Methods. III. Systematic Behaviors of Operational Solar Flare Forecasting Systems", 2019ApJ...881..101L ADS

Lee, E.-J., Park, S.-H., & Moon, Y.-J., "Flare Productivity of Major Flaring Solar Active Regions: A Time-Series Study of Photospheric Magnetic Properties", 2018SoPh..293..159L ADS

Kusano, K., Park, S.-H., Iju, T., et al., "A new analysis of stability of active regions for understanding and predicting the onset of solar eruptions", 2018csc..confE..25K ADS

Inoue, S., Shiota, D., Bamba, Y., & Park, S.-H., "Magnetohydrodynamic Modeling of a Solar Eruption Associated with an X9.3 Flare Observed in the Active Region 12673", 2018ApJ...867..83I ADS

Park, S.-H., Guerra, J. A., Gallagher, P. T., Georgoulis, M. K., & Bloomfield, D. S., "Photospheric Shear Flows in Solar Active Regions and Their Relation to Flare Occurrence", 2018SoPh..293..114P ADS

Leka, K. D. & Park, S.-H., "Operational Flare Forecasting Benchmarks and Initial Performance Comparisons", 2018cosp...42E1978L ADS

Kusano, K., Iju, T., Muhamad, J., et al., "The critical conditions for the onset of solar flares and coronal mass ejections", 2018cosp...42E1887K ADS

Kontogiannis, I., Georgoulis, M. K., Park, S.-H., & Guerra, J. A., "Testing and Improving a Set of Morphological Predictors of Flaring Activity", 2018SoPh..293..96K ADS

Leka, K. D., Park, S.-H., & Barnes, G., "Operational Flare Forecasting Benchmarks and Initial Performance Comparisons", 2018tess.conf41407L ADS

Murray, S. A., Guerra, J. A., Zucca, P., et al., "Connecting Coronal Mass Ejections to Their Solar Active Region Sources: Combining Results from the HEL-CATS and FLARECAST Projects", 2018SoPh..293..60M ADS

Florios, K., Kontogiannis, I., Park, S.-H., et al., "Forecasting Solar Flares Using Magnetogram-based Predictors and Machine Learning", 2018SoPh..293..28F ADS

Kontogiannis, I., Georgoulis, M. K., Park, S.-H., & Guerra, J. A., "Non-neutralized Electric Currents in Solar Active Regions and Flare Productivity", 2017SoPh..292..159K ADS

Marubashi, K., Cho, K.-S., Kim, R.-S., et al., "The 17 March 2015 storm: the associated magnetic flux rope structure and the storm development", 2016EP&S...68..173M ADS

Flares and Associated Jet-like Eruptions Driven by the Emergence of Twisted Magnetic Fields", 2016ApJ...817...39L 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

Cho, K.-S., Kim, R., Park, S.-H., & Kim, S., "Causes of the Sep. 12-13, 2014 geomagnetic storms", 2015IAUGA..2249582C 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

Hwangbo, J.-E., Bong, S.-C., Park, S.-H., et al., "Burst Locating Capability of the Korean Solar Radio Burst Locator (KSRLB)", 2015JASS...32...91H ADS

Joshi, A. D., Forbes, T. G., Park, S.-H., & Cho, K.-S., "A Trio of Confined Flares in AR 11087", 2015ApJ...798..97J ADS

Hwangbo, J.-E., Lee, J., Park, S.-H., et al., "Magnetic Structure and Nonthermal Electrons in the X6.9 Flare on 2011 August 9", 2014ApJ...796..80H ADS

Baek, J.-H., Choi, S., Lee, J.-J., et al., ???Development of Data Integration System for Ground-Based Space Weather Observational Facilities", 2013PKAS...28...65B ADS

Park, S.-H., Kusano, K., Cho, K.-S., et al., "Study of Magnetic Helicity Injection in the Active Region NOAA 9236 Producing Multiple Flare-associated Coronal Mass Ejection Events", 2013ApJ...778..13P ADS

Kumar, P., Cho, K. S., Chen, P. F., Bong, S. C., & Park, S.-H., "Multiwavelength Study of a Solar Eruption from AR NOAA 11112: II. Large-Scale Coronal Wave and Loop Oscillation", 2013SoPh..282..523K ADS

Kumar, P., Park, S.-H., Cho, K. S., & Bong, S. C., "Multiwavelength Study of a Solar Eruption from AR NOAA 11112 I. Flux Emergence, Sunspot Rotation and Triggering of a Solar Flare", 2013SoPh..282..503K 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

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

Kumar, P., Cho, K. S., Bong, S. C., Park, S.-H., & Kim, Y. H., "Initiation of Coronal Mass Ejection and Associated Flare Caused by Helical Kink Instability Observed by SDO/AIA", 2012ApJ...746..67K ADS

Marubashi, K., Cho, K.-S., Kim, Y.-H., Park, Y.-D., & Park, S.-H., "Geometry of the 20 November 2003 magnetic cloud", 2012JGRA..117.1101M ADS

Liu, R., Wang, T.-J., Lee, J., et al., "Observing the reconnection region in a transequatorial loop system", 2011RAA...11.1209L ADS

Park, S.-H., Cho, K., Kim, Y., et al., "Study of Magnetic Helicity Injection in the Active Region NOAA 11158 Associated with the X-class Flare of 2011 February 15", 2011SPD...42.2227P 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

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

Park, S.-h., Chae, J., & Wang, H., "Productivity of Solar Flares and Magnetic Helicity Injection in Active Regions", 2010ApJ...718..43P ADS

Park, S.-H., Jing, J., & Wang, H., "Time Evolution of Coronal Magnetic Helicity in the Flaring Active Region NOAA 10930", 2010AAS...21640508P ADS

Park, S.-H.: 2010, "Study of magnetic helicity in solar active regions and its relationship with solar eruptions", Ph.D. thesis, New Jersey Institute of Technology 2010PhDT.....286P ADS

Park, S.-H., Jing, J., & Wang, H., "Three-Dimensional Structure Analysis of Electric Current Helicity in AR NOAA 10930 Associated with the X3.4 Flare of 2006 December 13", 2009SPD...40.2012P ADS

Jing, J., Chen, P. F., Wiegmann, T., et al., "Temporal Evolution of Free Magnetic Energy Associated with Four X-Class Flares", 2009ApJ...696..84J ADS

Park, S.-H., Lee, J., Choe, G. S., et al., "The Variation of Relative Magnetic Helicity around Major Flares", 2008ApJ...686..1397P 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

Park, S.-H., Chae, J., Jeong, H., et al., "Two Phases of Helicity Variation Around Major Flares", 2006SPD...37.2201P ADS

Jeong, Y., Han, C., & Park, S.-H., "The Effect of Bright Lenses on the Astrometric Observations of Gravitational Microlensing Events", 1999ApJ...511..569J ADS

Jeong, Y., Han, C., & Park, S.-H., "The Effect of Bright Lenses in the Astrometric Measurements of MACHO Proper Motion", 1998astro.ph..7165J ADS