

Bibliography from ADS file: green.bib

September 14, 2022

- Yardley, S. L., Green, L. M., James, A. W., Stansby, D., & Mihaleescu, T., “*The magnetic field environment of active region 12673 that produced the energetic particle events of September 2017*”, 2022arXiv220812774Y [ADS](#)
- Mihaleescu, T., Baker, D., Long, D., et al., “*What determines active region coronal plasma composition?*”, 2022cosp...44.2580M [ADS](#)
- Green, L., “*Disruption and eruption of magnetic flux ropes (observational aspects)*”, 2022cosp...44.2409G [ADS](#)
- Baker, D., Demoulin, P., Long, D., et al., “*Evolution of Plasma Composition in an Eruptive Flux Rope*”, 2022cosp...44.1361B [ADS](#)
- Mihaleescu, T., Baker, D., Green, L. M., et al., “*What Determines Active Region Coronal Plasma Composition?*”, 2022ApJ...933..245M [ADS](#)
- Baker, D., Green, L. M., Brooks, D. H., et al., “*Evolution of Plasma Composition in an Eruptive Flux Rope*”, 2022ApJ...924..17B [ADS](#)
- Stansby, D., Green, L., van Driel-Gesztelyi, L., & Horbury, T., “*Global Contributions of Active Regions to the Solar Wind*”, 2021AGUFMSH24C..04S [ADS](#)
- O’Kane, J., Green, L. M., Davies, E. E., et al., “*Solar origins of a strong stealth CME detected by Solar Orbiter*”, 2021A&A...656L...60 [ADS](#)
- Stansby, D., Green, L. M., van Driel-Gesztelyi, L., & Horbury, T. S., “*Active Region Contributions to the Solar Wind over Multiple Solar Cycles*”, 2021SoPh..296..116S [ADS](#)
- Baker, D., Mihaleescu, T., Démoulin, P., et al., “*Plasma Upflows Induced by Magnetic Reconnection Above an Eruptive Flux Rope*”, 2021SoPh..296..103B [ADS](#)
- O’Kane, J., Mac Cormack, C., Mandrini, C. H., et al., “*The Magnetic Environment of a Stealth Coronal Mass Ejection*”, 2021ApJ...908..890 [ADS](#)
- Green, L., Long, D., Valori, G., O’Kane, J., & James, A., “*Flaring activity and related eruptions from active regions*”, 2021cosp...43E.992G [ADS](#)
- Yardley, S. L., Mackay, D. H., & Green, L. M., “*Simulating the Coronal Evolution of Bipolar Active Regions to Investigate the Formation of Flux Ropes*”, 2021SoPh..296..10Y [ADS](#)
- James, A. W., Green, L. M., van Driel-Gesztelyi, L., & Valori, G., “*A new trigger mechanism for coronal mass ejections. The role of confined flares and photospheric motions in the formation of hot flux ropes*”, 2020A&A...644A.137J [ADS](#)
- Patsourakos, S., Vourlidas, A., Török, T., et al., “*Decoding the Pre-eruptive Magnetic Field Configurations of Coronal Mass Ejections*”, 2020SSRv..216..131P [ADS](#)
- Rochus, P., Auchère, F., Berghmans, D., et al., “*The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager*”, 2020A&A...642A..8R [ADS](#)
- Zouganelis, I., De Groof, A., Walsh, A. P., et al., “*The Solar Orbiter Science Activity Plan: Translating solar and heliospheric physics questions into action*”, 2020A&A...642A..3Z [ADS](#)
- O’Kane, J., Mandrini, C., Demoulin, P., et al., “*The Magnetic Environment of a Stealth CME*”, 2020SPD....51210050 [ADS](#)
- Yardley, S. L., Savcheva, A., Green, L. M., et al., “*Understanding the Plasma and Magnetic Field Evolution of a Filament Using Observations and Nonlinear Force-free Field Modeling*”, 2019ApJ...887..240Y [ADS](#)
- O’Kane, J., Green, L., Long, D. M., & Reid, H., “*Stealth Coronal Mass Ejections from Active Regions*”, 2019ApJ...882..850 [ADS](#)
- Patsourakos, S., Vourlidas, A., Anthiopoulos, S. K., et al., “*Sheared Magnetic Arcades and the Pre-eruptive Magnetic Configuration of Coronal Mass Ejections: Diagnostics, Challenges and Future Observables*”, 2019shin.confE.194P [ADS](#)
- Green, L., “*Coronal mass ejections: what can observations tell us about the pre-eruptive magnetic field*”, 2019shin.confE.160G [ADS](#)
- Baker, D., van Driel-Gesztelyi, L., Brooks, D. H., et al., “*Transient Inverse-FIP Plasma Composition Evolution within a Solar Flare*”, 2019ApJ...875..35B [ADS](#)
- Green, L. M., Török, T., Vršnak, B., Manchester, Ward, I., & Veronig, A., “*The Origin, Early Evolution and Predictability of Solar Eruptions*”, in D. Baker, A. Balogh, T. Gombosi, H. E. J. Koskinen, A. Veronig, and R. von Steiger (Eds.), The Scientific Foundation of Space Weather. Series: Space Sciences Series of ISSI, Vol. 67, 113–164 2019sfsw.book..113G [ADS](#)
- O’Kane, J., Green, L., & Long, D., “*Studying stealth CMEs using advanced imaging analysis techniques*”, 2018csc..confE..220 [ADS](#)
- James, A. W., Valori, G., Green, L. M., et al., “*An Observationally Constrained Model of a Flux Rope that Formed in the Solar Corona*”, 2018csc..confE..93 [ADS](#)
- Yardley, S. L., Green, L. M., van Driel-Gesztelyi, L., Williams, D. R., & Mackay, D. H., “*The Role of Flux Cancellation in Eruptions from Bipolar ARs*”, 2018ApJ...866..8Y [ADS](#)
- Palmerio, E., Kilpua, E. K. J., Möstl, C., et al., “*Coronal Magnetic Structure of Earthbound CMEs and In Situ Comparison*”, 2018SpWea..16..442P [ADS](#)
- Kilpua, E., Palmerio, E., Pomoell, J., et al., “*Key observations of Coronal Mass Ejections for improving space weather Forecasting*”, 2018EGUGA..20.8870K [ADS](#)
- Thomas, S., Fazakerley, A., Wicks, R., & Green, L., “*Evaluating the forecasting skill of the near-Earth solar wind using a space weather monitor at L5*”, 2018EGUGA..20..273T [ADS](#)
- James, A. W., Valori, G., Green, L. M., et al., “*An Observationally Constrained Model of a Flux Rope that Formed in the Solar Corona*”, 2018ApJ...855L..163 [ADS](#)
- Green, L. M., Török, T., Vršnak, B., Manchester, W., & Veronig, A., “*The Origin, Early Evolution and Predictability of Solar Eruptions*”, 2018SSRv..214..46G [ADS](#)
- Yardley, S. L., Mackay, D. H., & Green, L. M., “*Simulating the Coronal Evolution of AR 11437 Using SDO/HMI Magnetograms*”, 2018ApJ...852..82Y [ADS](#)
- Matthews, S., del Zanna, G., Calcines, A., et al., “*Non-thermal distributions and energy transport in the solar flares*”, 2017arXiv171200773M [ADS](#)
- Green, L. M., Valori, G., Zuccarello, F. P., et al., “*The 2013 February 17 Sunquake in the Context of the Active Region’s Magnetic Field Configuration*”, 2017ApJ...849..40G [ADS](#)
- James, A. W., Green, L. M., Palmerio, E., et al., “*On-Disc Observations of Flux Rope Formation Prior to Its Eruption*”, 2017SoPh..292..71J [ADS](#)
- Palmerio, E., Kilpua, E., Bothmer, V., et al., “*Magnetic structure of Earth-directed events in the HELCATS LINKCAT catalog during 2011-2013*”, 2017EGUGA..19.3874P [ADS](#)
- Thomas, S., Fazakerley, A., Wicks, R., & Green, L., “*Evaluating the skill of forecasts of the near-Earth solar wind using a space weather monitor at L5*”, 2017EGUGA..19.3209T [ADS](#)
- Palmerio, E., Kilpua, E. K. J., James, A. W., et al., “*Determining the Intrinsic CME Flux Rope Type Using Remote-sensing Solar Disk Observations*”, 2017SoPh..292..39P [ADS](#)
- Eastwood, J. P., Biffis, E., Hapgood, M. A., et al., “*The Economic Impact of Space Weather: Where Do We Stand?*”, 2017RiskA..37..206E [ADS](#)
- Palmerio, E., Kilpua, E., James, A., et al., “*$\langle p \rangle$Prediction of In-Situ Magnetic Structure of Flux Ropes from Coronal Observations*”, 2016AGUFMSH14A..03P [ADS](#)
- Green, L., “*The Evolution of Active Regions*”, 2016usc..confE.109G [ADS](#)
- Palmerio, E., Kilpua, E. K. J., Pomoell, J., et al., “*Prediction of in-situ magnetic structure of flux ropes from coronal observations*”, 2016usc..confE..33P [ADS](#)
- Yardley, S. L., Green, L. M., Williams, D. R., et al., “*Flux Cancellation and the Evolution of the Eruptive Filament of 2011 June 7*”, 2016ApJ...827..151Y [ADS](#)
- James, A., Green, L., Valori, G., et al., “*Photospheric Vector Magnetic Field Evolution of NOAA Active Region 11504 and the Ensuing CME*”, 2016SPD....4730305J [ADS](#)
- Green, L., “*Meeting contribution: At the edge: how leaving the solar system can tell us more about the Sun*”, 2016JBAA..126R.114G [ADS](#)
- Palmerio, E., Kilpua, E., Green, L., et al., “*Tracking the magnetic structure of flux ropes from eruption to in-situ detection*”, 2016EGUGA..18.1641P [ADS](#)
- Green, L. M., López Fuentes, M., Mandrini, C. H., et al., “*Erratum to: The Magnetic Helicity Budget of a CME-Prolific Active Region*”, 2016SoPh..291..335G [ADS](#)
- Green, L. M., “*Mass ejections from the Sun*”, 2016IAUS..320..211G [ADS](#)
- Matthews, S. A., Harra, L. K., Zharkov, S., & Green, L. M., “*Spectroscopic Signatures Related to a Sunquake*”, 2015ApJ...812..35M [ADS](#)
- van Driel-Gesztelyi, L., & Green, L. M., “*Evolution of Active Regions*”, 2015LRSP..12..1V [ADS](#)
- Green, L., “*Mass eruptions from the Sun*”, 2015IAUGA..2253985G [ADS](#)
- Green, L., Zharkov, S., Matthews, S., & Zharkova, V., “*Sunquakes and their relationship with coronal magnetic topology*”, 2015IAUGA..2253942G [ADS](#)
- Trichas, M., Gibbs, M., Harrison, R., et al., “*Carrington-L5: The UK/US Operational Space Weather Monitoring Mission*”, 2015Hipp...21..25T [ADS](#)
- Baker, D., Brooks, D. H., Démoulin, P., et al., “*FIP Bias Evolution in a Decaying Active Region*”, 2015ApJ...802..104B [ADS](#)
- Shelton, D., Harra, L., & Green, L., “*Atmospheric Response of an Active Region to New Small Flux Emergence*”, 2015SoPh..290..753S [ADS](#)
- Attrill, G. D. R., Long, D. M., Green, L. M., Harra, L. K., & van Driel-Gesztelyi, L., “*Extreme-ultraviolet Observations of Global Coronal Wave Rotation*”, 2014ApJ...796..55A [ADS](#)
- van Driel-Gesztelyi, L., Baker, D., Török, T., et al., “*Coronal Magnetic Reconnection Driven by CME Expansion-the 2011 June 7 Event*”, 2014ApJ...788..85V [ADS](#)
- Gibb, G. P. S., Mackay, D. H., Green, L. M., & Meyer, K. A., “*Simulating the Formation of a Sigmoidal Flux Rope in AR10977 from SOHO/MDI Magnetograms*”, 2014ApJ...782..71G [ADS](#)

- Zharkov, S., Matthews, S. A., Green, L. M., & Zharkova, V., "Flares, CMEs and sunquakes", 2014cosp...40E3823Z [ADS](#)
- Dalmasse, K., Pariat, E., Green, L. M., et al., "Constraining magnetic flux emergence from a timeseries of helicitigrams", 2014cosp...40E.612D [ADS](#)
- van Driel-Gesztelyi, L., Baker, D., Török, T., et al., "Magnetic reconnection driven by filament eruption in the 7 June 2011 event", 2014IAUS..300..502V [ADS](#)
- Williams, D., Baker, D., van Driel-Gesztelyi, L., & Green, L., "Spectroscopic measurements of EUV ejecta in a CME: a high-blueshift trailing thread", 2014IAUS..300..464W [ADS](#)
- Baker, D., Brooks, D. H., Démoulin, P., et al., "FIP bias in a sigmoidal active region", 2014IAUS..300..222B [ADS](#)
- Green, L. M. & Kliem, B., "Observations of flux rope formation prior to coronal mass ejections", 2014IAUS..300..209G [ADS](#)
- Baker, D., Brooks, D. H., Démoulin, P., et al., "Plasma Composition in a Sigmoidal Anemone Active Region", 2013ApJ...778...69B [ADS](#)
- Dalmasse, K., Pariat, E., Valori, G., Démoulin, P., & Green, L. M., "First observational application of a connectivity-based helicity flux density", 2013A&A...555L...6D [ADS](#)
- Zharkov, S., Green, L. M., Matthews, S. A., & Zharkova, V. V., "Properties of the 15 February 2011 Flare Seismic Sources", 2013SoPh..284..315Z [ADS](#)
- Zharkov, S., Green, L. M., Matthews, S. A., & Zharkova, V. V., "On the Seismicity of September 7, 2011 X1.8-class Flare", 2013JPhCS.440a2046Z [ADS](#)
- Savcheva, A. S., Green, L. M., van Ballegooijen, A. A., & DeLuca, E. E., "Photospheric Flux Cancellation and the Build-up of Sigmoidal Flux Ropes on the Sun", 2012ApJ...759..105S [ADS](#)
- Teriaca, L., Andretta, V., Auchère, F., et al., "LEMUR: Large European module for solar Ultraviolet Research. European contribution to JAXA's Solar-C mission", 2012ExA...34..273T [ADS](#)
- Green, L. M., Wallace, A. J., & Kliem, B., "Hinode Observations of an Eruption from a Sigmoidal Active Region", 2012ASPC..454..391G [ADS](#)
- Wallace, A. J., Green, L. M., Mandrini, C. H., et al., "Does Magnetic Helicity Affect Active Region Evolution and Energetics?", 2012ASPC..454..281W [ADS](#)
- Savcheva, A. S., Green, L., van Ballegooijen, A., & DeLuca, E., "Photospheric flux cancellation and the build-up of sigmoidal flux ropes", 2012shin.confE.122S [ADS](#)
- Valori, G., Green, L. M., Démoulin, P., et al., "Nonlinear Force-Free Extrapolation of Emerging Flux with a Global Twist and Serpentine Fine Structures", 2012SoPh..278...73V [ADS](#)
- Vargas Domínguez, S., MacTaggart, D., Green, L., van Driel-Gesztelyi, L., & Hood, A. W., "On Signatures of Twisted Magnetic Flux Tube Emergence", 2012SoPh..278..33V [ADS](#)
- Green, L. M., Sakurai, T., & van Driel-Gesztelyi, L., "Preface", 2012SoPh..278...1G [ADS](#)
- Savcheva, A., Green, L., van Ballegooijen, A., & DeLuca, E., "The Effect of Flux Cancellation on Building Sigmoidal Flux Ropes", 2012AAS...22041105S [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](#)
- Baker, D., van Driel-Gesztelyi, L., & Green, L. M., "Forecasting a CME by Spectroscopic Precursor?", 2012SoPh..276..219B [ADS](#)
- Matthews, S. A., Zharkov, S., Zharkova, V. V., Green, L., & Pedram, E., "Implications for energy transport in solar flares from the recent observations of sun-quakes", 2011AGUFMSH51E..02M [ADS](#)
- Zharkov, S., Green, L. M., Matthews, S. A., & Zharkova, V. V., "2011 February 15: Sunquakes Produced by Flux Rope Eruption", 2011ApJ...741L..35Z [ADS](#)
- Zharkov, S., Green, L. M., Matthews, S. A., & Zharkova, V. V., "Recent sunquakes: new implications for energy transport in solar flares", 2011sdmi.confE..89Z [ADS](#)
- Savcheva, A., Green, L., DeLuca, E., & van Ballegooijen, A., "Photospheric Flux Cancellation and the Build-up of Sigmoidal Flux Ropes", 2011SPD....42.1806S [ADS](#)
- Mackay, D. H., Green, L. M., & van Ballegooijen, A., "Modeling the Dispersal of an Active Region: Quantifying Energy Input into the Corona", 2011ApJ...729..97M [ADS](#)
- Green, L. M., Kliem, B., & Wallace, A. J., "Photospheric flux cancellation and associated flux rope formation and eruption", 2011A&A...526A...2G [ADS](#)
- Wallace, A. J., Harra, L. K., van Driel-Gesztelyi, L., Green, L. M., & Matthews, S. A., "Pre-Flare Flows in the Corona", 2010SoPh..267..361W [ADS](#)
- Green, L., Forsyth, C., & Wild, J., "Meeting Report: Looking ahead for space science", 2010A&G....51c..23G [ADS](#)
- Kontar, E., MacKinnon, A., Klein, K.-L., et al., "Discussion of a high-energy mission for solar eruptions in ESA's Cosmic Vision Programme", 2010cosp...38.2983K [ADS](#)
- Kliem, B. & Green, L. M., "Flux Rope Formation Preceding Coronal Mass Ejection Onset", 2009SPD....41.2120K [ADS](#)
- Baker, D., van Driel-Gesztelyi, L., Murray, M. J., et al., "Intensification of Plasma Upflows in an Active Region—Coronal Hole Complex: A CME Precursor", 2009ASPC..415..75B [ADS](#)
- Green, L. M. & Kliem, B., "Flux Rope Formation Preceding Coronal Mass Ejection Onset", 2009ApJ...700L..83G [ADS](#)
- Tripathi, D., Kliem, B., Mason, H. E., Young, P. R., & Green, L. M., "Temperature Tomography of a Coronal Sigmoid Supporting the Gradual Formation of a Flux Rope", 2009ApJ...698L..27T [ADS](#)
- Steed, K., Owen, C. J., Harra, L. K., et al., "Flux Rope Eruption From the Sun to the Earth: What do Reversals in the Azimuthal Magnetic Field Gradient Tell us About the Evolution of the Magnetic Structure?", 2008AGUFMSH23B1638S [ADS](#)
- Steed, K., Owen, C. J., Harra, L. K., et al., "Locating the solar source of 13 April 2006 magnetic cloud", 2008AnGeo..26..3159S [ADS](#)
- van Driel-Gesztelyi, L., Green, L. M., Kliem, B., Toeroek, T., & Attrill, G., "What kinking filament eruptions tell us about the physical nature of transient coronal sigmoids?", 2008cosp...37.3289V [ADS](#)
- Green, L. M., Kliem, B., Török, T., van Driel-Gesztelyi, L., & Attrill, G. D. R., "Transient Coronal Sigmoids and Rotating Erupting Flux Ropes", 2007SoPh..246..365G [ADS](#)
- Foullon, C., Owen, C. J., Dasso, S., et al., "Multi-Spacecraft Study of the 21 January 2005 ICME. Evidence of Current Sheet Substructure Near the Periphery of a Strongly Expanding, Fast Magnetic Cloud", 2007SoPh..244..139F [ADS](#)
- Green, L., "Reaching out through the heliosphere", 2007A&G....48d..24G [ADS](#)
- Green, L., "Green: International Heliophysical Year: International Heliophysical Year is here", 2007A&G....48b..21G [ADS](#)
- Mandrini, C. H., Pohjolainen, S., Dasso, S., et al., "Interplanetary flux rope ejected from an X-ray bright point. The smallest magnetic cloud source-region ever observed", 2005A&A...434..725M [ADS](#)
- Mandrini, C. H., Pohjolainen, S., Dasso, S., et al., "The smallest source region of an interplanetary magnetic cloud: A mini-sigmoid", 2005AdSpR..36.1579M [ADS](#)
- Vázquez, M., Guida, P., Green, L., Chang, P., & Otto, S., "Cellular and molecular effects of high-LET radiation on human neural stem cells and neurons", 2004cosp...35.3061V [ADS](#)
- Mandrini, C., Pohjolainen, S., Dasso, S., et al., "The smallest source region of an interplanetary magnetic cloud: a mini-sigmoid", 2004cosp...35..290M [ADS](#)
- Mandrini, C., Pohjolainen, S., Dasso, S., et al., "How small can an interplanetary magnetic cloud source-region be?", 2004cosp...35..282M [ADS](#)
- Dasso, S., Mandrini, C. H., Pohjolainen, S., et al., "Linking coronal observations of a 'mini' Δ texasciacuteactive region with its interplanetary manifestation", 2004BAAA...47...18D [ADS](#)
- Green, L. M., Démoulin, P., Mandrini, C. H., & Van Driel-Gesztelyi, L., "How are Emerging Flux, Flares and CMEs Related to Magnetic Polarity Imbalance in Mida Day?", 2003SoPh..215..307G [ADS](#)
- Kay, H. R. M., Harra, L. K., Matthews, S. A., Culhane, J. L., & Green, L. M., "The soft X-ray characteristics of solar flares, both with and without associated CMEs", 2003A&A...400..779K [ADS](#)
- Green, L. M., López Fuentes, M. C., Mandrini, C. H., van Driel-Gesztelyi, L., & Démoulin, P., "Active region helicity evolution and related coronal mass ejection activity", 2003AdSpR..32.1959G [ADS](#)
- Green, L. M., López fuentes, M. C., Mandrini, C. H., et al., "The Magnetic Helicity Budget of a cme-Prolific Active Region", 2002SoPh..208..43G [ADS](#)
- Green, L. M., López Fuentes, M. C., Mandrini, C. H., van Driel-Gesztelyi, L., & Démoulin, P., "Long-term helicity evolution in NOAA active region 8100", 2002ESASP.477..43G [ADS](#)
- Green, L. M., Matthews, S. A., van Driel-Gesztelyi, L., Harra, L. K., & Culhane, J. L., "Multi-wavelength observations of an X-class flare without a coronal mass ejection.", 2002SoPh..205..325G [ADS](#)
- Green, L., Mandrini, C., van Driel-Gesztelyi, L., & Demoulin, P., "Active region helicity evolution and related coronal mass ejection activity.", 2002cosp...34E1213G [ADS](#)
- Culhane, J. L., Glover, A., Green, L. M., et al., "Magnetic field configurations and the likelihood of coronal mass ejections", 2001ESASP.493..193C [ADS](#)
- Green, L. M., Harra, L. K., Matthews, S. A., & Culhane, J. L., "Coronal mass ejections and their association to active region flaring.", 2001SoPh..200..189G [ADS](#)
- Roche, P., Green, L., & Hoenig, M., "Cepheus X-4", 1997IAUC.6698....2R [ADS](#)
- Green, L., "God and the Big-Bang", 1985JRASC..79..160G [ADS](#)