

**Bibliography from ADS file: valori.bib**  
**September 14, 2022**

- Sinjan, J., Calchetti, D., Hirzberger, J., et al., “The on-ground data reduction and calibration pipeline for SO/PHI-HRT”, 2022arXiv220814904S ADS
- To, A. S. H., Baker, D., Long, D., et al., “Understanding the Correlation between Solar Coronal Abundances and F10.7 Radio Emission”, 2022cosp...44.2592T ADS
- Murabito, M., Jafarzadeh, S., Van Driel-Gesztelyi, L., et al., “Investigating of the nature of magnetic oscillations associated with FIP effect”, 2022cosp...44.2591M ADS
- Stangalini, M., Jafarzadeh, S., Baker, D., et al., “The identification of magnetic perturbations in the solar atmosphere”, 2022cosp...44.2590S ADS
- Baker, D., Demoulin, P., Long, D., et al., “Evolution of Plasma Composition in an Eruptive Flux Rope”, 2022cosp...44.1361B ADS
- Kahil, F., Hirzberger, J., Solanki, S. K., et al., “The magnetic drivers of campfires seen by the Polarimetric and Helioseismic Imager (PHI) on Solar Orbiter”, 2022A&A...660A.143K ADS
- Valori, G., Löschl, P., Stansby, D., et al., “Disambiguation of Vector Magnetograms by Stereoscopic Observations from the Solar Orbiter (SO)/Polarimetric and Helioseismic Imager (PHI) and the Solar Dynamic Observatory (SDO)/Helioseismic and Magnetic Imager (HMI)”, 2022SoPh...297...12V ADS
- Baker, D., Green, L. M., Brooks, D. H., et al., “Evolution of Plasma Composition in an Eruptive Flux Rope”, 2022ApJ...924...17B ADS
- Murabito, M., Stangalini, M., Baker, D., et al., “Investigating the origin of magnetic perturbations associated with the FIP Effect”, 2021A&A...656A...87M ADS
- Thalmann, J. K., Georgoulis, M. K., Liu, Y., et al., “Magnetic Helicity Estimations in Models and Observations of the Solar Magnetic Field. IV. Application to Solar Observations”, 2021ApJ...922...41T ADS
- Long, D. M., Reid, H. A. S., Valori, G., & O’Kane, J., “Localized Acceleration of Energetic Particles by a Weak Shock in the Solar Corona”, 2021ApJ...921...61L ADS
- Baker, D., Mihailescu, T., Démoulin, P., et al., “Plasma Upflows Induced by Magnetic Reconnection Above an Eruptive Flux Rope”, 2021SoPh...296...103B ADS
- de Pablos, D., Long, D. M., Owen, C. J., et al., “Matching Temporal Signatures of Solar Features to Their Corresponding Solar-Wind Outflows”, 2021SoPh...296...68D ADS
- To, A. S. H., Long, D. M., Baker, D., et al., “The Evolution of Plasma Composition during a Solar Flare”, 2021ApJ...911...86T ADS
- Stangalini, M., Baker, D., Valori, G., et al., “Spectropolarimetric fluctuations in a sunspot chromosphere”, 2021RSPTA.37900216S 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
- Baker, D., Stangalini, M., Valori, G., et al., “Alfvénic Perturbations in a Sunspot Chromosphere Linked to Fractionated Plasma in the Corona”, 2021ApJ...907...16B ADS
- Bemporad, A., Banerjee, D., Berlicki, A., et al., “Metis - Solar Orbiter Topical Team on “Modelling of CME propagation/evolution in corona and solar wind in connection with Space Weather””, 2020AGUFMSh0360027B ADS
- de Pablos, D., Owen, C. J., Long, D., et al., “Analysis of time-domain correlations between EUV and in-situ observations of coronal jets”, 2020AGUFMSh0290018D 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
- Valori, G., Démoulin, P., Pariat, E., et al., “Additivity of relative magnetic helicity in finite volumes”, 2020A&A...643A...26V ADS
- Thalmann, J. K., Linan, L., Pariat, E., & Valori, G., “Erratum: “On the Reliability of Magnetic Energy and Helicity Computations Based on Nonlinear Force-free Coronal Magnetic Field Models” (2019, ApJL, 880, L6)”, 2020ApJ...902L...48T ADS
- Mulay, S. M., Sharma, R., Valori, G., et al., “Study of the spatial association between an active region jet and a nonthermal type III radio burst”, 2020arXiv200914581M ADS
- O’Kane, J., Mandrini, C., Demoulin, P., et al., “The Magnetic Environment of a Stealth CME”, 2020SPD...51210050 ADS
- Nuevo, F. A., Valori, G., López Fuentes, M., Mandrini, C. H., & Vázquez, A. M., “Modelado magnético de regiones activas solares: Una comparación entre dos modelos libres de fuerzas”, 2020BAAA...61B...7N ADS
- Baker, D., van Driel-Gesztelyi, L., Brooks, D. H., et al., “Can Subphotospheric Magnetic Reconnection Change the Elemental Composition in the Solar Corona?”, 2020ApJ...894...35B ADS
- Linan, L., Pariat, É., Aulanier, G., Moraitis, K., & Valori, G., “Energy and helicity fluxes in line-tied eruptive simulations”, 2020A&A...636A...41L ADS
- Thalmann, J. K., Moraitis, K., Linan, L., et al., “Magnetic Helicity Budget of Solar Active Regions Prolific of Eruptive and Confined Flares”, 2019ApJ...887...64T ADS
- Mulay, S. M., Sharma, R., Valori, G., et al., “Study of the spatial association between an active region jet and a nonthermal type III radio burst”, 2019A&A...632A.108M ADS
- Long, D. M., Jenkins, J., & Valori, G., “Quantifying the Relationship between Moreton-Ramsey Waves and textquotedblleftEIT Wavetextquotedblright Using Observations of Four Homologous Wave Events”, 2019ApJ...882...90L ADS
- Thalmann, J. K., Linan, L., Pariat, E., & Valori, G., “On the Reliability of Magnetic Energy and Helicity Computations Based on Nonlinear Force-free Coronal Magnetic Field Models”, 2019ApJ...880L...6T 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
- Moraitis, K., Pariat, E., Valori, G., & Dalmasse, K., “Relative magnetic field line helicity”, 2019A&A...624A...51M ADS
- Jenkins, J. M., Hopwood, M., Démoulin, P., et al., “Modeling the Effect of Mass-draining on Prominence Eruptions”, 2019ApJ...873...49J ADS
- Long, D., Lawless, J., Valori, G., & Jenkins, J., “Multi-wavelength observations of 4 homologous global coronal waves”, 2018csc.confE...15L 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...9J ADS
- Linan, L., Pariat, É., Moraitis, K., Valori, G., & Leake, J., “Time Variations of the Nonpotential and Volume-threading Magnetic Helicities”, 2018ApJ...865...52L ADS
- Zuccarello, F. P., Pariat, E., Valori, G., & Linan, L., “Threshold of Nonpotential Magnetic Helicity Ratios at the Onset of Solar Eruptions”, 2018ApJ...863...41Z ADS
- Moraitis, K., Pariat, É., Savcheva, A., & Valori, G., “Computation of Relative Magnetic Helicity in Spherical Coordinates”, 2018SoPh...293...92M 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...16J ADS
- Dalmasse, K., Pariat, É., Valori, G., Jing, J., & Démoulin, P., “Studying the Transfer of Magnetic Helicity in Solar Active Regions with the Connectivity-based Helicity Flux Density Method”, 2018ApJ...852...141D ADS
- Mathews, 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
- Long, D. M., Valori, G., Pérez-Suárez, D., Morton, R. J., & Vázquez, A. M., “Measuring the magnetic field of a trans-equatorial loop system using coronal seismology (Corrigendum)”, 2017A&A...607C...3L ADS
- Dalmasse, K., Valori, G., Jing, J., Pariat, E., & Demoulin, P., “Studying the transfer of magnetic helicity in solar active regions”, 2017SPD...4811206D 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
- Dalmasse, K., Jing, J., Pariat, E., Valori, G., & Démoulin, P., “Studying the transfer of magnetic helicity in solar active regions”, 2017shin.confE.160D ADS
- Long, D. M., Valori, G., Pérez-Suárez, D., Morton, R. J., & Vázquez, A. M., “Measuring the magnetic field of a trans-equatorial loop system using coronal seismology”, 2017A&A...603A.101L 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
- Guo, Y., Pariat, E., Valori, G., et al., “Magnetic Helicity Estimations in Models and Observations of the Solar Magnetic Field. III. Twist Number Method”, 2017ApJ...840...40G ADS
- Pariat, E., Leake, J. E., Valori, G., et al., “Relative magnetic helicity as a diagnostic of solar eruptivity”, 2017A&A...601A.125P ADS
- Polito, V., Del Zanna, G., Valori, G., et al., “Analysis and modelling of recurrent solar flares observed with Hinode/EIS on March 9, 2012”, 2017A&A...601A...39P ADS
- Valori, G., Pariat, E., Anfinogentov, S., et al., “Magnetic helicity estimations in models and observations of the solar magnetic field”, 2017EGUGA...19.3692V 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

- Palmerio, E., Kilpua, E., James, A., et al., “<p>Prediction of In-Situ Magnetic Structure of Flux Ropes from Coronal Observations.”, 2016AGUFMSH14A..03P ADS
- Valori, G., Pariat, E., Anfinogentov, S., et al., “Magnetic Helicity Estimations in Models and Observations of the Solar Magnetic Field. Part I: Finite Volume Methods”, 2016SSRv..201..147V 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
- Long, D. M., Pérez-Suárez, D., Valori, & G., “Measuring the magnetic field of a trans-equatorial loop system using coronal seismology”, 2016usc..confE..25L ADS
- Guo, Y., Xia, C., Keppens, R., & Valori, G., “Magneto-frictional Modeling of Coronal Nonlinear Force-free Fields. I. Testing with Analytic Solutions”, 2016ApJ...828...82G 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
- Long, D., Perez-Suarez, D., & Valori, G., “Anomalous transmission of a coronal “EIT wave” through a nearby coronal hole”, 2016SPD...47.0320L ADS
- Long, D., Perez-Suarez, D., & Valori, G., “Measuring the magnetic field of a trans-equatorial loop system using coronal seismology”, 2016SPD...47.0319L 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
- Long, D. M., Pérez-Suárez, D., & Valori, G., “Restricted propagation of an “EIT wave” in the low solar corona”, 2016IAUS..320..98L ADS
- DeRosa, M. L., Wheatland, M. S., Leka, K. D., et al., “The Influence of Spatial resolution on Nonlinear Force-free Modeling”, 2015ApJ...811..107D ADS
- Pariat, E., Valori, G., Démoulin, P., & Dalmasse, K., “Testing magnetic helicity conservation in a solar-like active event”, 2015A&A...580A.128P ADS
- Valori, G., Romano, P., Malanushenko, A., et al., “Time Evolution of Force-Free Parameter and Free Magnetic Energy in Active Region NOAA 10365”, 2015SoPh..290..491V 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
- Dalmasse, K., Pariat, E., Green, L. M., et al., “Constraining magnetic flux emergence from a timeseries of helicitygrams”, 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
- Valori, G., Török, T., Temmer, M., et al., “Initiation of Coronal Mass Ejections by Sunspot Rotation”, 2014IAUS..300..201V ADS
- Török, T., Temmer, M., Valori, G., et al., “Initiation of Coronal Mass Ejections by Sunspot Rotation”, 2013SoPh..286..453T 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
- Valori, G., Démoulin, P., Pariat, E., & Masson, S., “Accuracy of magnetic energy computations”, 2013A&A...553A..38V ADS
- Valori, G., Démoulin, P., & Pariat, E., “Comparing Values of the Relative Magnetic Helicity in Finite Volumes”, 2012SoPh..278..347V 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
- Fuhrmann, M., Seehafer, N., Valori, G., & Wiegelmann, T., “A comparison of preprocessing methods for solar force-free magnetic field extrapolation”, 2011A&A...526A..70F ADS
- Valori, G., Kliem, B., Török, T., & Titov, V. S., “Testing magnetofrictional extrapolation with the Titov-Démoulin model of solar active regions”, 2010A&A...519A..44V ADS
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “Nonlinear Force-Free Magnetic Field Modeling of AR 10953: A Critical Assessment”, 2009SPD...40.3102D ADS
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “A Critical Assessment of Nonlinear Force-Free Field Modeling of the Solar Corona for Active Region 10953”, 2009ApJ...696.1780D ADS
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “Nonlinear Force-Free Magnetic Field Modeling of the Solar Corona: A Critical Assessment”, 2008AGUFMSH41A1604D ADS
- Fuhrmann, M., Kliem, B., Valori, G., & Seehafer, N., “Coronal Magnetic Field Extrapolation from Photospheric Measurements Applied to an Active Region”, 2008ESPM...12.3.37F ADS
- Valori, G., Kliem, B., & Toeroek, T., “Magnetofrictional Extrapolations of Current-Carrying Flux Ropes”, 2008ESPM...12.2.90V ADS
- De Rosa, M. L., Schrijver, C. J., Metcalf, T. R., et al., “Non-Linear Force-Free Field Modeling of a Solar Active Region Around the Time of a Major Flare and Coronal Mass Ejection”, 2008AGUMSP31A..06D ADS
- Schrijver, C. J., DeRosa, M. L., Metcalf, T., et al., “Nonlinear Force-free Field Modeling of a Solar Active Region Around the Time of a Major Flare and Coronal Mass Ejection”, 2008ApJ...675.1637S ADS
- Metcalf, T. R., De Rosa, M. L., Schrijver, C. J., et al., “Nonlinear Force-Free Modeling of Coronal Magnetic Fields. II. Modeling a Filament Arcade and Simulated Chromospheric and Photospheric Vector Fields”, 2008SoPh..247..269M ADS
- Seehafer, N., Fuhrmann, M., Valori, G., & Kliem, B., “Force-free magnetic fields in the solar atmosphere”, 2007AN...328.1166S ADS
- Fuhrmann, M., Seehafer, N., & Valori, G., “Preprocessing of solar vector magnetograms for force-free magnetic field extrapolation”, 2007A&A...476..349F ADS
- Valori, G., Kliem, B., & Fuhrmann, M., “Magnetofrictional Extrapolations of Low and Lou’s Force-Free Equilibria”, 2007SoPh..245..263V ADS
- Metcalf, T. R., De Rosa, M. L., Schrijver, C. J., et al., “Non-linear Force-free Modeling Of Coronal Magnetic Fields”, 2007AAS...210.9102M ADS
- Wiegelmann, T., Inhester, B., Kliem, B., Valori, G., & Neukirch, T., “Testing non-linear force-free coronal magnetic field extrapolations with the Titov-Démoulin equilibrium”, 2006A&A...453..737W ADS
- Schrijver, C. J., De Rosa, M. L., Metcalf, T. R., et al., “Nonlinear Force-Free Modeling of Coronal Magnetic Fields Part I: A Quantitative Comparison of Methods”, 2006SoPh..235..161S ADS
- Valori, G., Kliem, B., & Keppens, R., “Extrapolation of a nonlinear force-free field containing a highly twisted magnetic loop”, 2005A&A...433..335V ADS
- Valori, G.: 2001, “Fluid and kinetic aspects of collisionless magnetic reconnection”, Ph.D. thesis, Technical University of Eindhoven, Netherlands 2001PhD.....99V ADS